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June 1988

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 05-31-88

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

***** 105 IN COMMERCIAL OPERATION 91,433 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 3 IN POWER ASCENSION. 3,490 capacity; design elec. rating
 * POWER * --- used if MDC not determined
 * REACTORS * (b) 108 LICENSED TO OPERATE 94,923 TOTAL
 ***** (c) 1 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

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

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE)	42,347,557	41,969,866	221,499,711
* POWER *	2. NET ELECTRICAL (MWHE)	40,191,728	39,859,342	210,511,437
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	63.2	65.1	68.4
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	63.2	65.1	68.4
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	59.5	61.7	64.7
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	58.1	60.3	63.2
	7. FORCED OUTAGE RATE (%)	10.0	9.5	11.3

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	40,191,728 NET	59.1
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	18,229,475 MWHe	26.8
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	7,047,095 MWHe	10.4
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,557,854 MWHe	3.8
* PRODUCTION *	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	68,026,152 MWHe	100.0% TOTAL
*****	(Using Maximum Dependable Capacity Net)		
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	MWHe	
	6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	MWHe	3 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	4	7,752.0	9.9	7,047,095
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	4	20,981.9	26.9	18,229,475
* DATA *					
*****	TOTAL	89	28,733.9	36.3	25,276,570

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

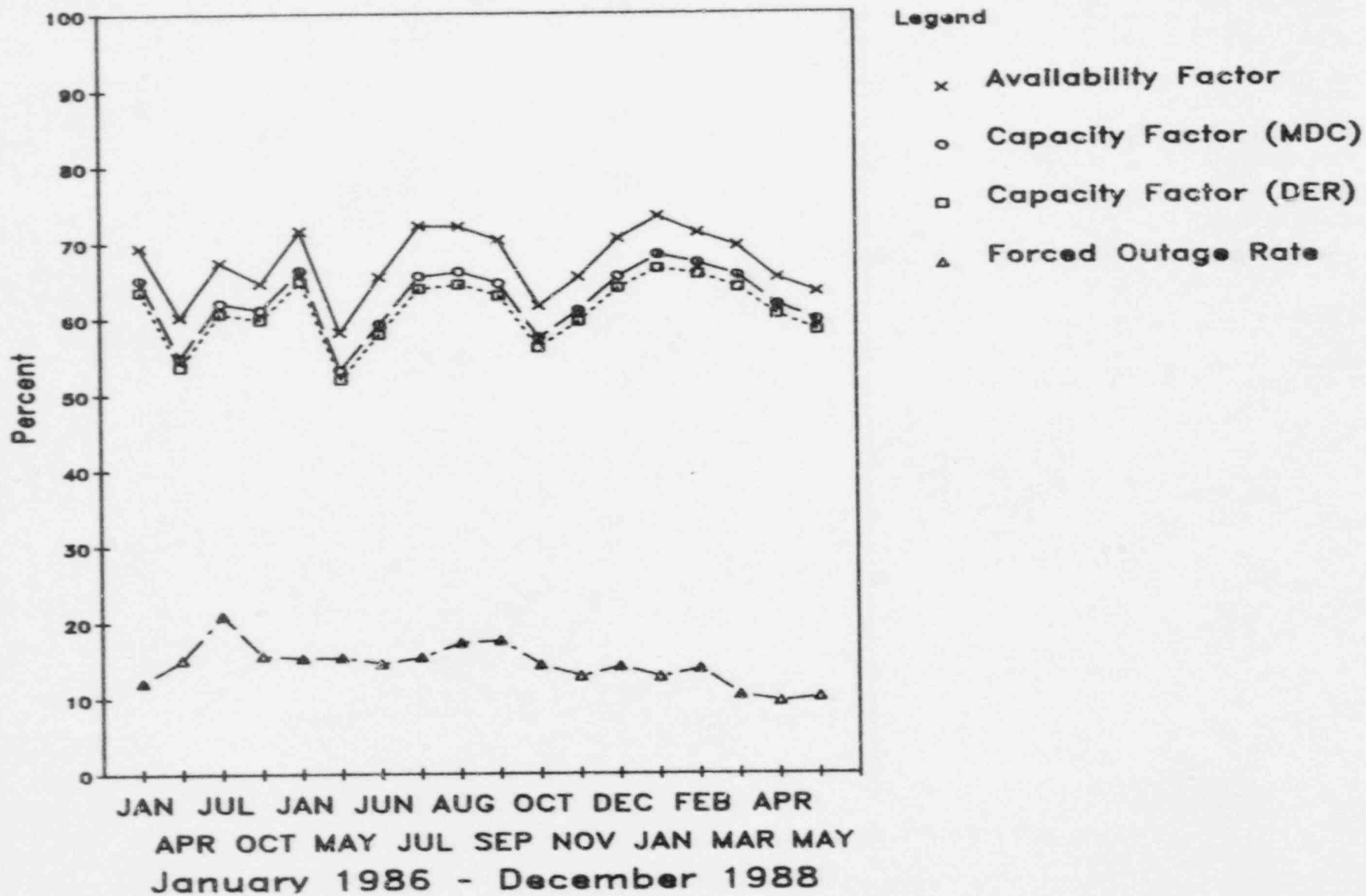
REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
A - Equipment Failure		34	3,104.2
B - Maintenance or Test		16	3,862.0
C - Refueling		24	15,889.6
D - Regulatory Restriction		0	0.0
E - Operator Training & License Examination		0	0.0
F - Administrative		9	4,901.3
G - Operational Error		0	0.0
H - Other		6	976.8
TOTAL		89	28,733.9

DERATED UNITS	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
BYRON 1	1120	1097	Self-imposed
BYRON 2	1120	1055	Self-imposed
COOK 1	1020	920	Self-imposed
COOK 2	1060	864	Self-imposed
FORT ST VRAIN	330	271	NRC Restriction
LIMERICK 1	1055	950	Self-imposed
PEACH BOTTOM 2	1051	0	NRC Restriction
PEACH BOTTOM 3	1035	0	NRC Restriction
ROBINSON 2	665	420	Self-imposed
SAN ONOFRE 1	436	390	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
	ARKANSAS 2	C	BIG ROCK POINT 1	C	BROWNS FERRY 1	F	BROWNS FERRY 2	F
	BROWNS FERRY 3	F	BRUNSWICK 2	A	BYRON 1	A	CALVERT CLIFFS 1	C
	CLINTON 1	H	COOK 2	B	COOPER STATION	C	DAVIS-BESSE 1	C
	DIABLO CANYON 1	C	DRESDEN 2	B	DRESDEN 3	C	FARLEY 1	C
	FERMI 2	B	FORT ST VRAIN	A	HADDAM NECK	F	HATCH 1	F
	HATCH 2	F	INDIAN POINT 3	B	LASALLE 1	C	MCGUIRE 2	C
	MILLSTONE 2	B	NINE MILE POINT 1	C	NINE MILE POINT 2	B	OCONEE 3	A, B
	PALO VERDE 2	C	PEACH BOTTOM 2	C	PEACH BOTTOM 3	C	PERRY 1	A
	PILGRIM 1	C	POINT BEACH 1	C	QUAD CITIES 1	B	QUAD CITIES 2	C
	RANCHO SECO 1	B	SAN ONOFRE 1	H	SAN ONOFRE 3	C	SEQUOYAH 1	F
	SEQUOYAH 2	B	SURRY 1	C	SURRY 2	A	SUSQUEHANNA 2	C
	TROJAN	C	TURKEY POINT 4	A	WASHINGTON NUCLEAR*	C	WATERFORD 3	C
	ZION 1	C						

Unit Availability, Capacity, Forced Outage

Avg Unit Percentage as of May 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.

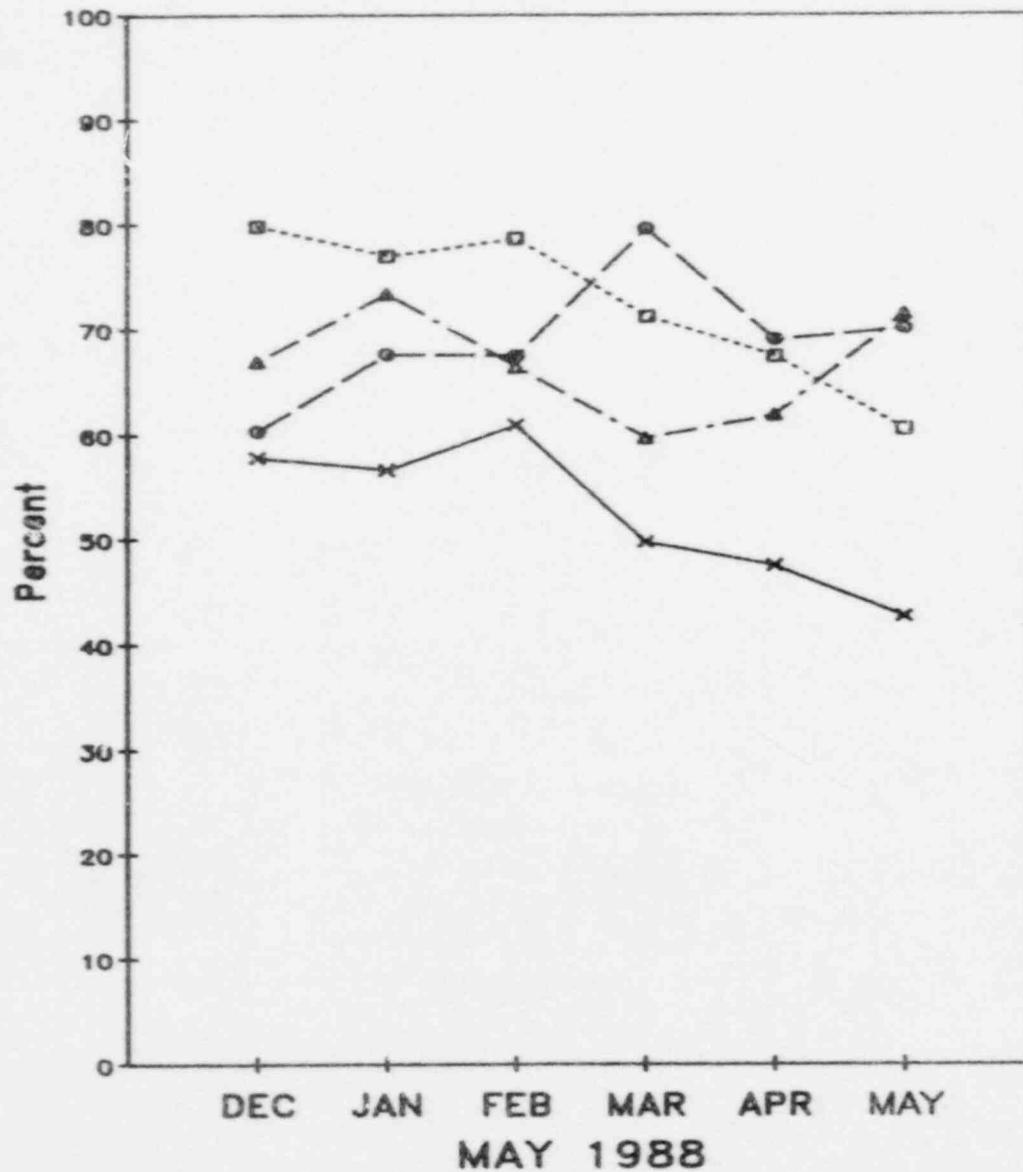
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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

05/31/88



Legend

- x General Electric
- o Westinghouse
- Combustion Engineering
- Δ 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 49.4 BRUNSWICK 2 0.0 DRESDEN 3 104.0 GRAND GULF 1 0.0 LASALLE 1 99.7 MONTICELLO 0.0 PEACH BOTTOM 2 60.6 QUAD CITIES 1 0.0 SUSQUEHANNA 2	CFMDC 0.0 BROWNS FERRY 2 72.8 CLINTON 1 90.8 DUANE ARNOLD 13.8 HATCH 1 95.7 LASALLE 2 0.0 NINE MILE POINT 1 0.0 PEACH BOTTOM 3 0.0 QUAD CITIES 2 100.2 VERMONT YANKEE 1	CFMDC 0.0 BROWNS FERRY 3 0.0 COOPER STATION 29.3 FERMI 2 6.0 HATCH 2 87.6 LIMERICK 1 0.0 NINE MILE POINT 2 47.5 PERRY 1 95.0 RIVER BEND 1 0.0 WASHINGTON NUCLEAR 2	CFMDC 86.9 BRUNSWICK 1 46.0 DRESDEN 2 103.3 FITZPATRICK 86.2 HOPE CREEK 1 99.9 MILLSTONE 1 99.2 OYSTER CREEK 1 0.0 PILGRIM 1 101.0 SUSQUEHANNA 1
***** * BABCOCK & * * WILCOX * *****	CFMDC 79.6 ARKANSAS 1 98.6 OCONEE 2	CFMDC 101.1 CRYSTAL RIVER 3 68.4 OCONEE 3	CFMDC 0.0 DAVIS-BESSE 1 24.2 RANCHO SECO 1	CFMDC 99.8 OCONEE 1 105.1 THREE MILE ISLAND 1
***** * COMBUSTION * * ENGINEERING * *****	CFMDC 13.1 ARKANSAS 2 97.6 MAINE YANKEE 0.0 PALO VERDE 2 101.7 ST LUCIE 1	CFMDC 0.0 CALVERT CLIFFS 1 47.0 MILLSTONE 2 103.2 PALO VERDE 3 102.0 ST LUCIE 2	CFMDC 97.8 CALVERT CLIFFS 2 96.8 PALISADES 104.3 SAN ONOFRE 2 0.0 WATERFORD 3	CFMDC 99.5 FORT CALHOUN 1 86.0 PALO VERDE 1 0.0 SAN ONOFRE 3
***** * WESTINGHOUSE * *****	CFMDC 98.4 BEAVER VALLEY 1 95.2 CALLAWAY 1 0.0 COOK 2 101.4 FARLEY 2 102.6 INDIAN POINT 2 77.8 MCGUIRE 2 31.5 POINT BEACH 1 45.4 ROBINSON 2 0.0 SEQUOYAH 1 47.5 SURRY 2 95.5 VCGTLE 1 95.9 ZION 2	CFMDC 96.7 BEAVER VALLEY 2 98.4 CATAWBA 1 0.0 DIABLO CANYON 1 103.1 GINNA 34.1 INDIAN POINT 3 100.1 MILLSTONE 3 100.1 POINT BEACH 2 100.1 SALEM 1 26.7 SEQUOYAH 2 0.0 TROJAN 101.4 WOLF CREEK 1	CFMDC 82.8 BYRON 1 68.0 CATAWBA 2 99.7 DIABLO CANYON 2 3.5 HADDAM NECK 103.3 KEWAUNEE 99.8 NORTH ANNA 1 98.4 PRAIRIE ISLAND 1 90.5 SALEM 2 86.6 SUMMER 1 102.7 TURKEY POINT 3 81.8 YANKEE-ROWE 1	CFMDC 83.8 BYRON 2 89.1 COOK 1 16.2 FARLEY 1 101.1 HARRIS 1 99.6 MCGUIRE 1 100.1 NORTH ANNA 2 99.6 PRAIRIE ISLAND 2 0.0 SAN ONOFRE 1 0.0 SURRY 1 8.7 TURKEY POINT 4 59.8 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.....	9,762,110	20,567,802	6,256,347	3,555,625	30,379,774
MDC NET.....	30,888	35,493	13,949	6,704	60,146
CFMDC.....	42.5	70.0	60.3	71.3	67.9

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 A 100 DAY - 100% POWER OPERATION TEST.

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

ITEMS 20 THROUGH 24

COOK 1 & 2
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

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

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>117,906.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,615.2</u>	<u>82,670.5</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>3,609.6</u>	<u>81,038.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,546,294</u>	<u>7,415,329</u>	<u>186,250,336</u>
18. Gross Elec Ener (MWH)	<u>522,160</u>	<u>2,525,585</u>	<u>61,792,715</u>
19. Net Elec Ener (MWH)	<u>495,082</u>	<u>2,395,775</u>	<u>58,785,152</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.0</u>	<u>68.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.0</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>79.6</u>	<u>78.6</u>	<u>59.6</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>77.3</u>	<u>58.7</u>
24. Unit forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>37.4</u>	<u>12,435.0</u>

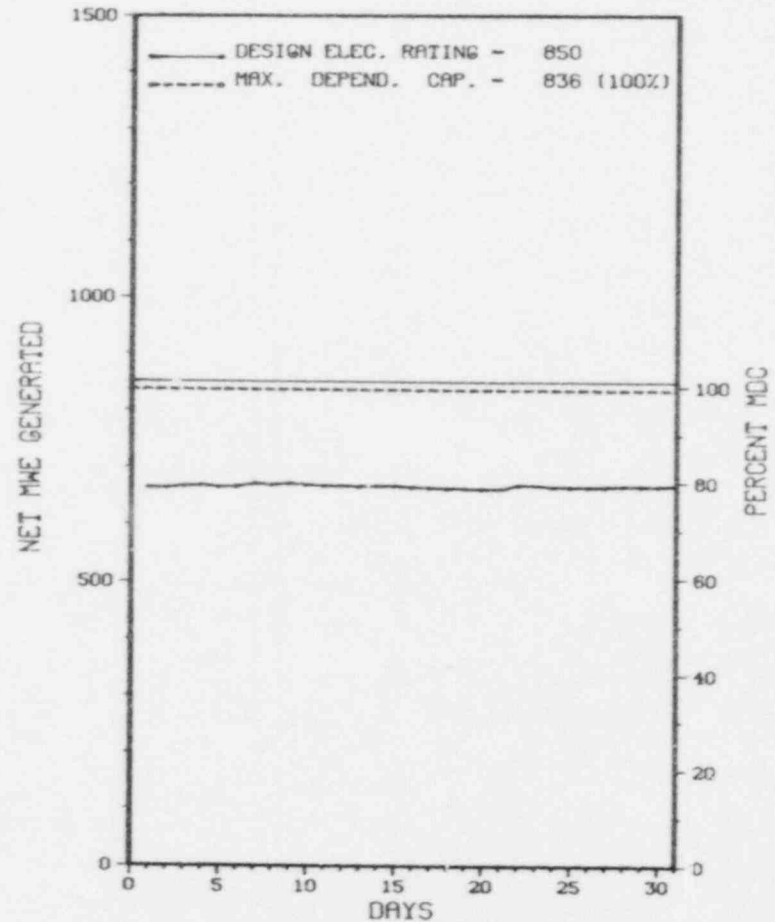
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - SEPTEMBER 2, 1988 - 72 DAY DURATION.

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

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

NONE

* SUMMARY *

ARKANSAS 1 OPERATED ROUTINELY AT 80% POWER DURING MAY
FOR FUEL CONSERVATION AND INCURRED 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)

* ARKANSAS 1 *

FACILITY DATA

Report Period MAY 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....C. HARBUCK
DOCKET NUMBER.....50-313
LICENSE & DATE ISSUANCE...DPR-51, MAY 21, 1974
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 21-25, 1988 (88-08) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S VITAL AREA PHYSICAL BARRIERS; LOCKS, KEYS, AND COMBINATIONS; LIGHTING SYSTEMS; TESTING AND MAINTENANCE PROGRAM; ALARM STATIONS; COMMUNICATION SYSTEMS; AND LICENSEE EVENT REPORTS. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 28 - APRIL 30, 1988 (88-10) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. WITHIN THE AREAS INSPECTED, ONE DEVIATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 18-22, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S MODIFICATION TESTING PROGRAM AND THE PROGRAM FOR TESTING PIPING SUPPORT AND RESTRAINT SYSTEMS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO CRITERION V OF APP.B TO 10 CFR PART 50 AND ENERGY SUPPLY PROCEDURE 304, REV.3, ONLY 10F 17 CURRENTLY OPEN POSSIBLE NUCLEAR SAFETY CONCERNS WAS OBSERVED TO HAVE BEEN ENTERED INTO THE LICENSING COMMITMENT TRACKING SYSTEM. FAILURE TO CONTROL KEYS. SAFEGUARDS INFO LICENSEE REDUCED THE EFFECTIVENESS OF VITAL AREA BARRIER WHILE PERFORMING MAINTENANCE. SAFEGUARDS INFO. CONTRARY TO CRITERION V OF APP.B TO 10 CFR PART 50 AND ENERGY SUPPLY PROCEDURE 304, REV.3, ONLY 10F 17 CURRENTLY OPEN POSSIBLE NUCLEAR SAFETY CONCERNS WAS OBSERVED TO HAVE BEEN ENTERED INTO THE LICENSING COMMITMENT TRACKING SYSTEM. CONTRARY TO TECH. SPEC. 6.8.1;

1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 05/01/88 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 Reasons:
NONE

10. 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>3,647.0</u>	<u>71,735.0</u>
13. Hours Reactor Critical	<u>336.4</u>	<u>1,364.0</u>	<u>51,131.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>193.5</u>	<u>1,221.0</u>	<u>49,614.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>329,903</u>	<u>3,146,169</u>	<u>128,003,726</u>
18. Gross Elec Ener (MWH)	<u>102,460</u>	<u>1,041,580</u>	<u>42,040,991</u>
19. Net Elec Ener (MWH)	<u>83,863</u>	<u>973,361</u>	<u>39,992,858</u>
20. Unit Service Factor	<u>26.0</u>	<u>33.5</u>	<u>69.2</u>
21. Unit Avail Factor	<u>26.0</u>	<u>33.5</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>13.1</u>	<u>31.1</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>12.4</u>	<u>29.3</u>	<u>61.1</u>
24. Unit Forced Outage Rate	<u>13.7</u>	<u>2.5</u>	<u>14.4</u>
25. Forced Outage Hours	<u>30.7</u>	<u>30.7</u>	<u>8,366.7</u>

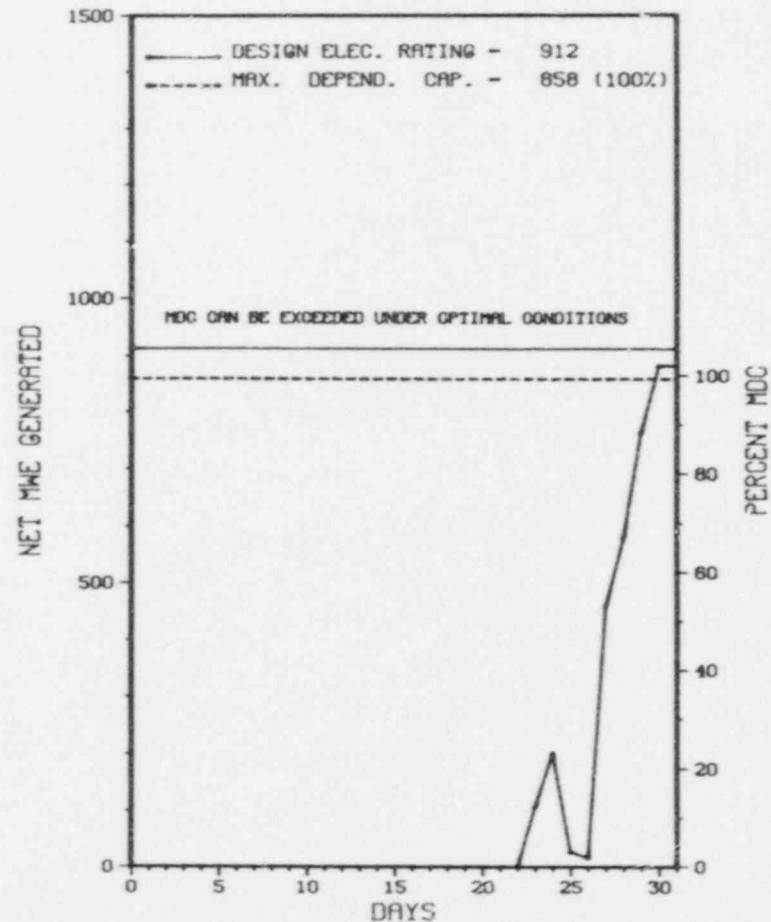
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	02/12/88	S	519.8	C	4		ZZ	ZZZZZZ	UNIT SHUTDOWN FOR REFUELING AND MAINTENANCE.
88-02	05/25/88	F	30.7	A	9		IG	DET	UNIT SHUTDOWN TO REPAIR CHANNEL "D" EXCORE DETECTOR, WHILE REACTOR REMAINED CRITICAL.

 * SUMMARY *

 ARKANSAS 2 COMPLETED REFUELING AND MAINTENANCE OUTAGE.
 SUBSEQUENTLY INCURRED 1 POWER OUTAGE 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)

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....W. JOHNSON
LICENSING PROJ MANAGER....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 FEB.23 - MARCH 3, 1988 (88-03) ROUTINE, ANNOUNCED INSPECTION INCLUDING SAFETY-RELATED PIPING WELDMENTS, COMPONENTS, AND SUPPORTS SELECTED FROM THE SERVICE WATER (SW), CHEMICAL VOLUME CONTROL (CVC), AND PRESSUREIZER (PZR) SYSTEMS; REVIEW OF ASSOCIATED DOCUMENTS AND PROCEDURES. WITHIN THE AREAS INSPECTED TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 21-25, 1988 (88-08) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S VITAL AREA PHYSICAL BARRIERS; LOCKS, KEYS, AND COMBINATIONS; LIGHTING SYSTEMS; TESTING AND MAINTENANCE PROGRAM; ALARM STATIONS; COMMUNICATION SYSTEMS; AND LICENSEE EVENT REPORTS. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 28 - APRIL 30, 1988 (88-10) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. WITHIN THE AREAS INSPECTED, ONE DEVIATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 18-22, 1988 (88-11) ROUTINE, UNANNOUNCED INSPECTION OF CONTAINMENT INTEGRATED LEAK TEST. WITHIN THE AREA INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 18-22, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S MODIFICATION TESTING PROGRAM AND THE PROGRAM FOR TESTING PIPING SUPPORT AND RESTRAINT SYSTEMS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: P.A.SMITH (412) 393-7621

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>3,647.0</u>	<u>105,935.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,233.6</u>	<u>61,421.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,173.0</u>	<u>59,827.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2.2</u>
17. Gross Therm Ener (MWH)	<u>1,929,940</u>	<u>5,491,573</u>	<u>142,408,883</u>
18. Gross Elec Ener (MWH)	<u>628,700</u>	<u>1,792,849</u>	<u>45,658,609</u>
19. Net Elec Ener (MWH)	<u>592,880</u>	<u>1,678,507</u>	<u>42,614,110</u>
20. Unit Service Factor	<u>100.0</u>	<u>59.6</u>	<u>58.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>59.6</u>	<u>58.8</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>56.8</u>	<u>52.9</u>
23. Unit Cap Factor (DER Net)	<u>95.4</u>	<u>55.1</u>	<u>51.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.4</u>	<u>19.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>8.1</u>	<u>19,049.5</u>

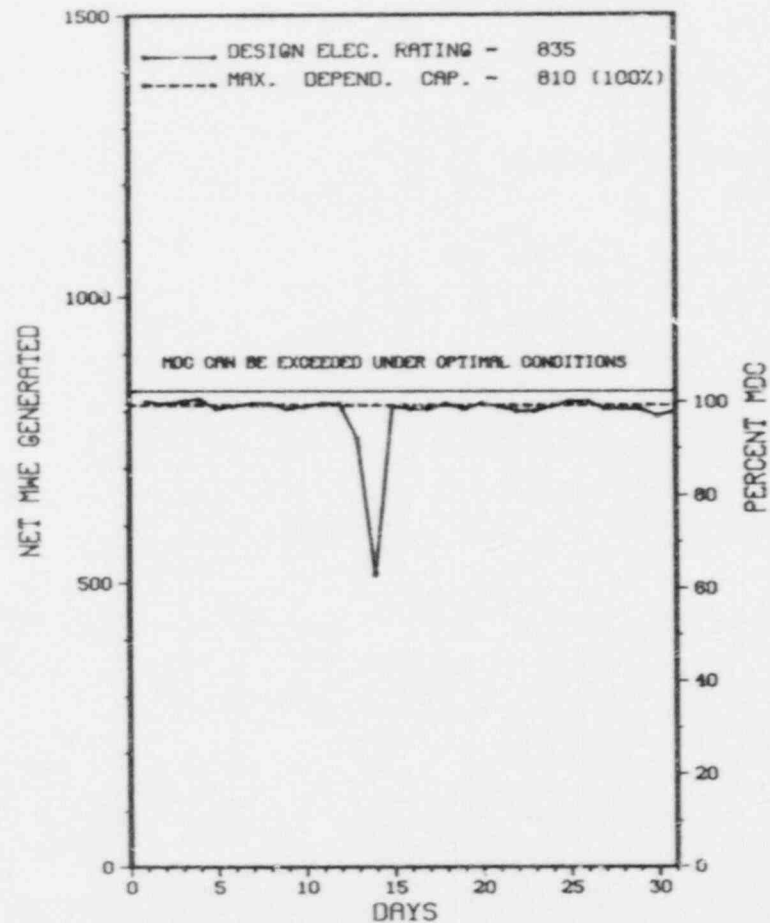
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BEAVER VALLEY 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	05/13/88	F	0.0	B	5		HJ	VALVEX	REDUCED POWER TO 45% TO PERMIT MAINTENANCE ON HEAT DRAIN TANK NORMAL LEVEL CONTROL VALVE, LCV-SD-106B.

***** BEAVER VALLEY 1 INCURRED ONE FORCED LOAD REDUCTION DURING
* SUMMARY * MAY 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)

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period MAY 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

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 MAY 1988

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

* BEAVER VALLEY 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

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1. Docket: 50-412 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>4,718.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,227.0</u>	<u>4,192.5</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>3,208.4</u>	<u>4,158.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,963,013</u>	<u>8,336,836</u>	<u>10,722,473</u>
18. Gross Elec Ener (MWH)	<u>631,700</u>	<u>2,704,700</u>	<u>3,486,900</u>
19. Net Elec Ener (MWH)	<u>599,125</u>	<u>2,557,196</u>	<u>3,295,300</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.0</u>	<u>88.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.0</u>	<u>88.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.7</u>	<u>84.2</u>	<u>83.8</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>83.9</u>	<u>83.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>91.6</u>	<u>212.8</u>

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

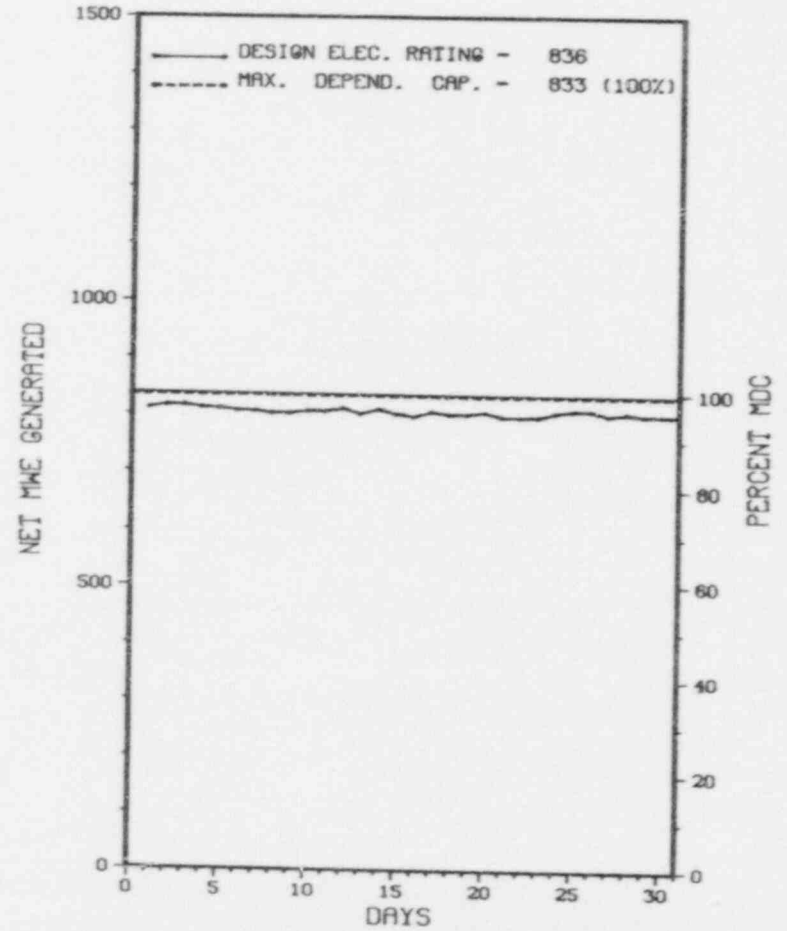
NONE

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

 * BEAVER VALLEY 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 2 *

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

NONE

 * SUMMARY *

 BEAVER VALLEY 2 OPERATED ROUTINELY DURING MAY WITH NO OUTAGES
 OR SIGNIFICANT LOAD 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)

* BEAVER VALLEY 2 *

FACILITY DATA

Report Period MAY 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 14, 1987
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ALIQIPPA, PA 15001

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 MAY 1988

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

* BEAVER VALLEY 2 *

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

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

2. Reporting Period: 05/01/88 Outage & On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 73

8. Maximum Dependable Capacity (Net MWe): 69

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>220,698.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,187.6</u>	<u>158,021.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,141.0</u>	<u>155,275.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>401,610</u>	<u>29,335,133</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>130,951</u>	<u>9,302,785</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>123,730</u>	<u>8,796,912</u>
20. Unit Service Factor	<u>.0</u>	<u>58.7</u>	<u>70.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>58.7</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>49.2</u>	<u>59.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.1</u>	<u>55.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.1</u>	<u>13.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>163.3</u>	<u>12,270.0</u>

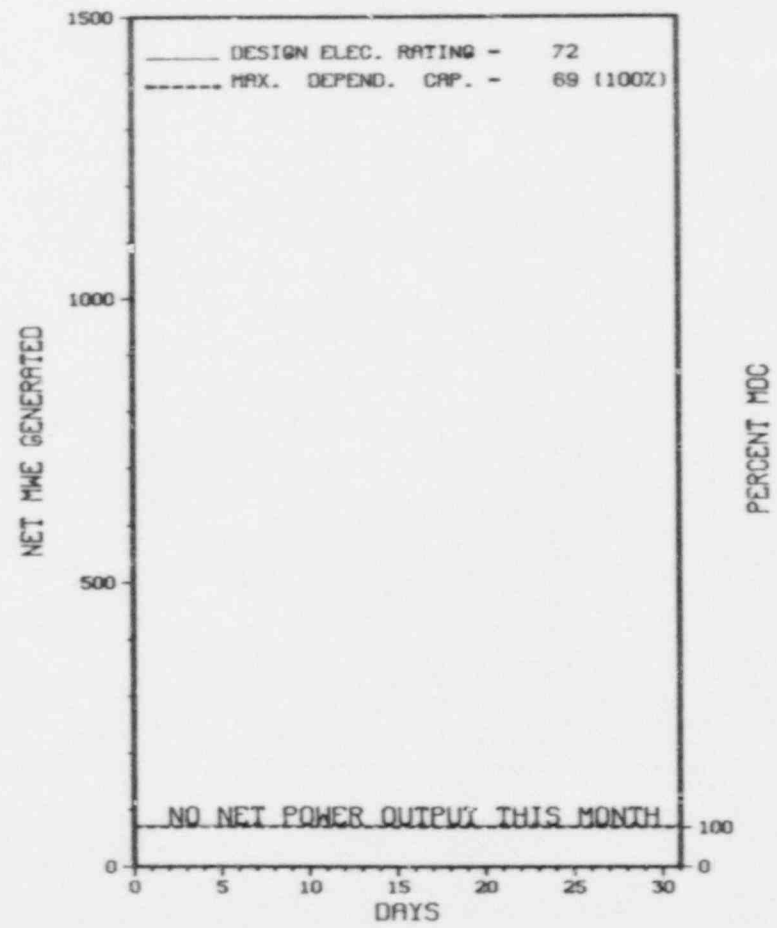
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/25/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-09	04/08/88	S	744.0	C	4				22ND REFUELING OUTAGE

* SUMMARY *

BIG ROCK POINT REMAINED SHUTDOWN IN MAY 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)

Report Period MAY 1988

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

* BIG ROCK POINT 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RDS VALVES CORROSION PROBLEM

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IN REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: 05/23/88

INSPECTION REPORT NO: 88610

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 OPERATING STATUS
 2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: B. M. PEACOCK (815) 458-2801 EXT. 2480
 4. Licensed Thermal Power (MMt): 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>3,647.0</u>	<u>7,800.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>993.0</u>	<u>4,052.7</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>957.2</u>	<u>3,567.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,639,119</u>	<u>1,890,028</u>	<u>6,905,700</u>
18. Gross Elec Ener (MWH)	<u>572,804</u>	<u>652,390</u>	<u>2,256,994</u>
19. Net Elec Ener (MWH)	<u>543,235</u>	<u>601,371</u>	<u>2,058,022</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 .0 783.4 1,655.6

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

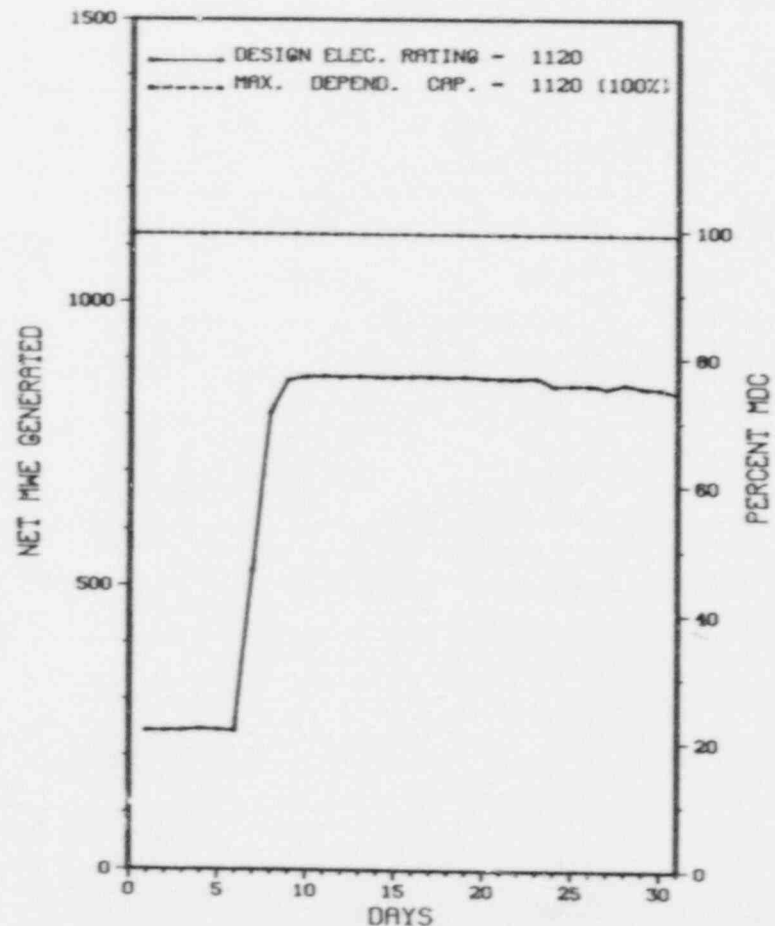
NONE

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

 * BRAIDWOOD 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* BRAIDWOOD 1 *

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

NONE

* SUMMARY *

BRAIDWOOD 1 ENTERED THE MONTH AT 26% POWER. ON MAY 7, WAS BROUGHT TO 50% POWER AND, SUBSEQUENTLY, TO 75% POWER FOR THE REMAINDER OF THE MONTH.

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

* BRAIDWOOD 1 *

FACILITY DATA

Report Period MAY 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

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WILMINGTON, ILLINOIS, 60481

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

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD MARCH 1-17 (88007): SPECIAL, ANNOUNCED INSPECTION OF LICENSEE ACTION FOLLOWING A STARTUP TEST WHICH INDICATED OPERABILITY PROBLEMS WITH THE CONTROL ROOM VENTILATION SYSTEMS. THE LICENSEE'S FAILURE TO HAVE CONTROL ROOM VENTILATION SYSTEMS OPERABLE APPARENTLY VIOLATED REGULATORY REQUIREMENTS. THE APPROPRIATE ENFORCEMENT ACTION FOR THIS FAILURE WILL BE DETERMINED AND COMMUNICATED TO THE LICENSEE BY SEPARATE CORRESPONDENCE.

INSPECTION ON APRIL 20-21 (88015): INCLUDED A REVIEW OF A LICENSEE REPORTED SECURITY EVENT ON APRIL 19, 1988. THE LICENSEE WAS FOUND TO BE IN APPARENT VIOLATION OF REQUIREMENTS AS NOTED BELOW: ACCESS CONTROL-PERSONNEL: THE LICENSEE FAILED TO ADEQUATELY CONTROL ACCESS TO A VITAL AREA.

INSPECTION ON APRIL 19-27 (88014; 88015): ROUTINE, UNANNOUNCED SAFETY INSPECTION TO REVIEW ACTIONS ON PREVIOUS INSPECTION ITEMS (92701 AND 92702). 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: 04/27/88

INSPECTION REPORT NO: 88014

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
-----
88-11    041588    051188    CONTROL ROOM VENTILATION SHIFT TO EMERGENCY MAKEUP MODE DUE TO SPURIOUS RADIATION MONITOR NOISE SPIKE.
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1. Dock#: 50-457 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: M. W. PETERSON

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): 0

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

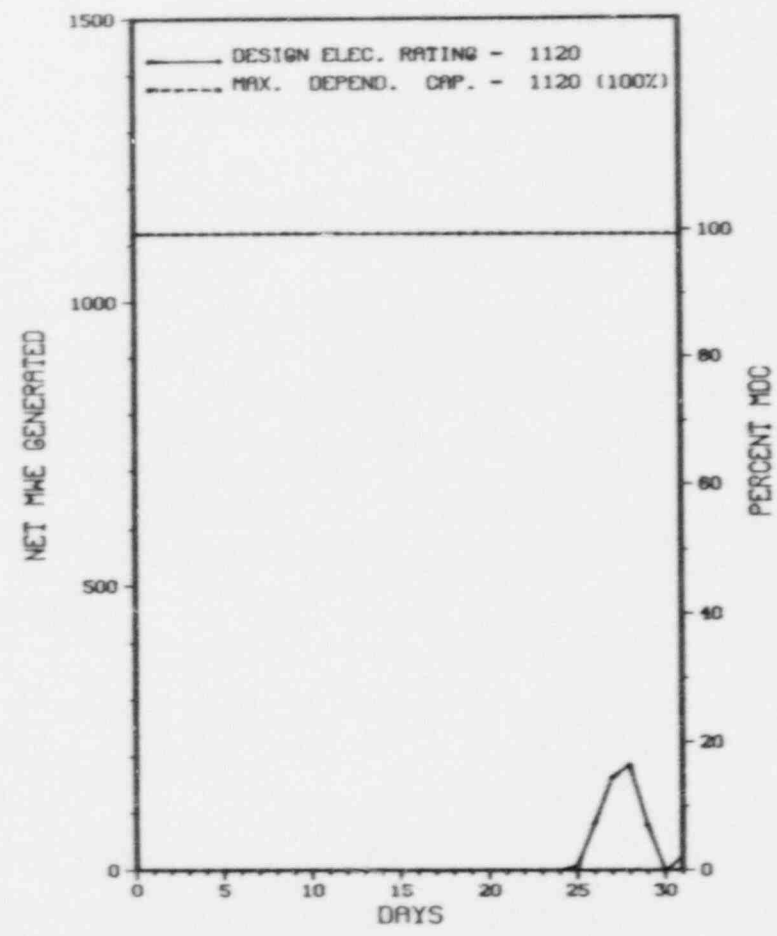
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>147.4</u>	<u>147.4</u>	<u>147.4</u>
13. Hours Reactor Critical	<u>147.4</u>	<u>147.4</u>	<u>147.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>95.0</u>	<u>95.0</u>	<u>95.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>116,073</u>	<u>116,073</u>	<u>116,073</u>
18. Gross Elec Ener (MWH)	<u>13,372</u>	<u>13,372</u>	<u>13,372</u>
19. Net Elec Ener (MWH)	<u>13,003</u>	<u>13,003</u>	<u>13,003</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>.0</u>

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

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

* BRAIDWOOD 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRAIDWOOD 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* BRAIDWOOD 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	05/29/88	S	38.7	B	9			STARTUP TEST - LOSS OF OFFSITE POWER.
2	05/31/88	S	13.7	B	9			STARTUP TEST -- SHUT DOWN FROM REMOTE LOCATION.

 * SUMMARY *

 BRAIDWOOD 2 WAS INITIALLY SYNCHORNIZED TO THE GRID ON MAY 25.
 SUBSEQUENTLY, THERE WERE 2 SCHEDULED OUTAGES DURING THE
 STARTUP TEST PROGRAM.

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

* Braidwood 2 *

FACILITY DATA

Report Period MAY 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...MARCH 8, 1988
DATE EL = ENER 1ST GENER...MAY 25, 1988
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CCART
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.....IIT
IE RESIDENT INSPECTOR.....L. MCGREGOR
LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-457
LICENSE & DATE ISSUANCE...NPF-77, MAY 20, 1988
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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

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

Report Period MAY 1988

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

* BRAIDWOOD 2 *

INFO. NOT SUPPLIED BY REGION

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

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1. Docket: 50-259 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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

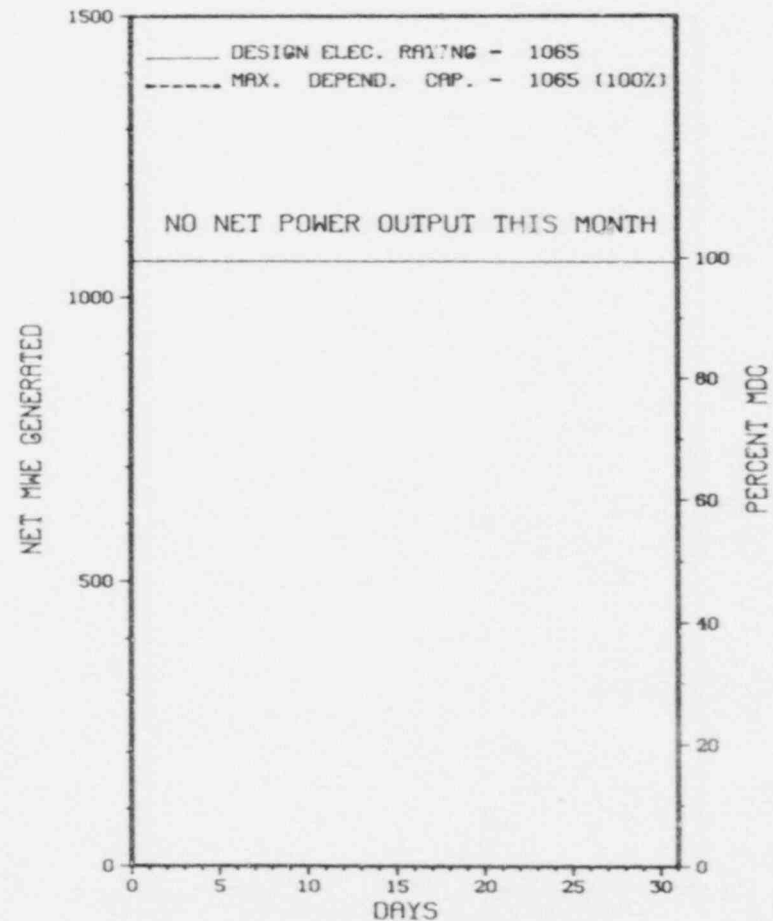
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>121,273.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>50,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<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>-4,552</u>	<u>-13,967</u>	<u>53,653,950</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>48.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>48.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>41.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>41.5</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>43.2</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,647.0</u>	<u>44,345.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



MAY 1988

Report Period MAY 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 MAY 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)

Report Period MAY 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)

* BROWNS FERRY 1 *

ENFORCEMENT SUMMARY

NONE

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: APRIL 4-8, 1988 +

INSPECTION REPORT NO: 50-259/88-09 +

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
88-013	03/28/88	04/26/88	RADIATION MONITOR SPIKE INITIATES CONTROL ROOM EMERGENCY VENTILATION

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>116,184.0</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>-2,193</u>	<u>-9,859</u>	<u>49,173,974</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>46.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>46.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>39.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>39.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>42.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,647.0</u>	<u>40,400.4</u>

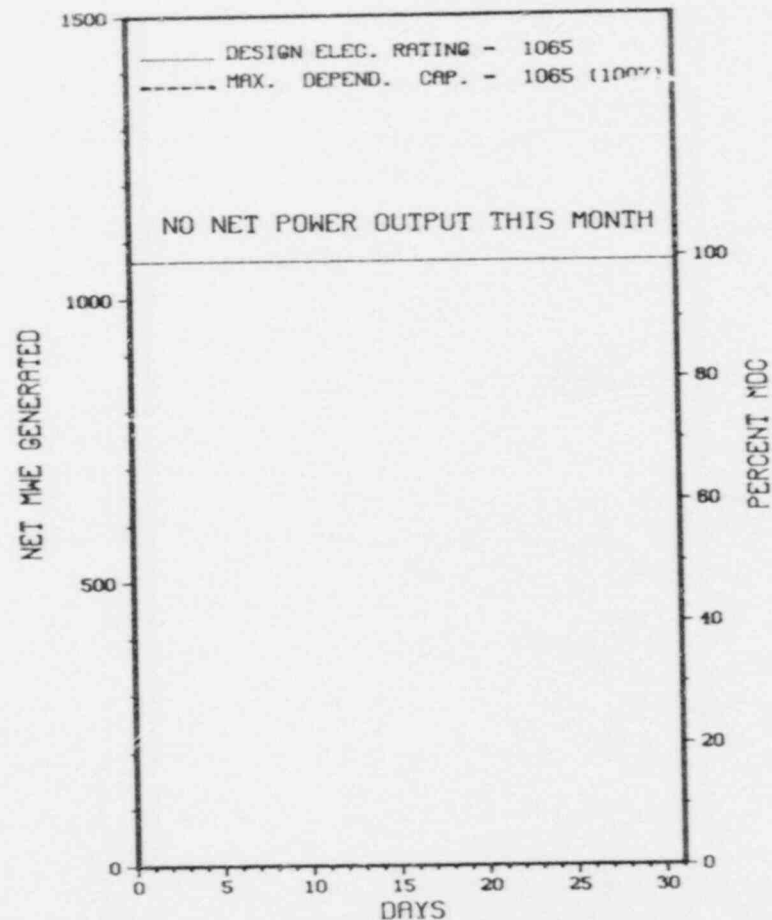
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



MAY 1988

Report Period MAY 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 MAY 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 MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....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 JANUARY 6-13 (88-01): THIS ANNOUNCED SPECIAL INSPECTION WAS CONDUCTED IN THE CORPORATE OFFICES IN CHATTANOOGA TO REVIEW THE LICENSEE'S CORRECTIVE MEASURES IN RESPONSE TO UNRESOLVED ITEM NO. 50-259,260 AND 296/86-37-01 AND 50-327 AND 328/86-58-01. THE UNRESOLVED ITEM IS CLOSED.

INSPECTION MARCH 14-21 (88-06): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF ULTRASONIC EXAMINATION OF UNIT 2 REACTOR VESSEL SHROUD ACCESS COVER AS REFERENCED IN NRC INFORMATION NOTICE NO. 88-03 AND GENERAL ELECTRIC (GE) SURVEILLANCE INSTRUCTION LETTER (SIL) NO. 462 AND INSERVICE INSPECTION STATUS FOR UNITS 1 AND 3. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURE FOR PREVENTION OF FOREIGN MATERIAL IN REACTOR VESSEL CAVITY.

INSPECTION MARCH 22-24 (88-08): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO ENSURE THAT OPERATORS IN GROUP 4 OF YOUR ACCELERATED REQUALIFICATION TRAINING COURSE HAD SATISFACTORILY COMPLETED THE COURSE AND ARE READY TO PERFORM LICENSED DUTIES IN THE SHUTDOWN AND REFUELING MODES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS REPORT.

INSPECTION APRIL 4-8 (88-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED REVIEW AND EVALUATION OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B CRITERION V, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH APPROVED PROCEDURES. CONTRARY TO CRITERION V OF APP. B TO 10 CFR PART 50 AND PLANT SERVICES PROCEDURE 1.5, WITH RESPECT TO REPLACEMENT DIESEL GENERATOR COOLING FAN BLADES WHICH WERE DESIGNATED ESSENTIAL-COMMERCIAL GRADE: IT COULD NOT BE ESTABLISHED THAT ALL OF THE B LADES WERE MANUFACTURED FROM THE MATERIAL SPECIFIED ON THE PROCUREMENT DOCUMENTS; THE BLADES WERE NOT RECEIPT INSPECTED BY THE RECEIPT INSPECTOR PRIOR TO INSTALLATION. CONTRARY TO 10 CFR PART 21, PROCEDURES HAVE NOT BEEN ADOPTED FOR IMPLEMENTING THE EVALUATION OF DEVIATIONS, OR FOR ASSURING THAT DEFECTS OR FAILURES TO COMPLY ARE REPORTED, AND THAT RECORDS APPLICABLE TO THOSE ACTIVITIES ARE ESTABLISHED AND MAINTAINED. RECORDS AND REPORTS. SAFEGUARDS INFO. ACCESS CONTROL - VEHICLES. SAFEGUARDS INFO. CONTRARY TO HEALTH PHYSICS PROCEDURE 9.1.1.4, "SPECIAL WORK PERMIT," REV. 16, DATED 4/15/87, ATTACHMENTS "A" & "B", SWP 88-3-46, ISSUED ON 3/21/88, WAS NOT ADHERED TO BY AN INDIVIDUAL LOCATED INSIDE THE BOUNDARY AREA ON 3/28/88. THE INDIVIDUAL DID NOT SIGN IN ON THE SWP AND WAS NOT WEARING ALL THE PROTECTIVE CLOTHING REQUIRED.
(3800 4)

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: APRIL 4-8, 1988 +

INSPECTION REPORT NO: 50-260/88-09 +

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: 05/01/88 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>3,647.0</u>	<u>98,639.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>45,506.8</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>-1,876</u>	<u>-12,406</u>	<u>42,029,662</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>44.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>44.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>40.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>40.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>43.8</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,647.0</u>	<u>34,384.4</u>

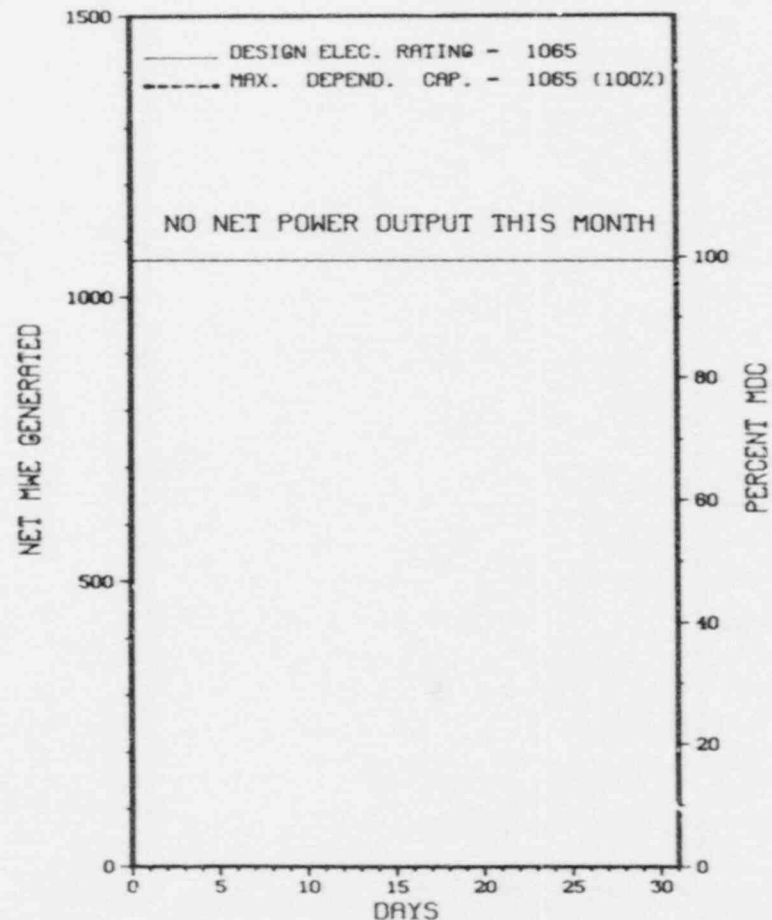
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



MAY 1988

Report Period MAY 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 MAY 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 3 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...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
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 JANUARY 6-13 (88-01): THIS ANNOUNCED SPECIAL INSPECTION WAS CONDUCTED IN THE CORPORATE OFFICES IN CHATTANOOGA TO REVIEW THE LICENSEE'S CORRECTIVE MEASURES IN RESPONSE TO UNRESOLVED ITEM NO. 50-259,260 AND 296/86-37-01 AND 50-327 AND 328/86-58-01. THE UNRESOLVED ITEM IS CLOSED.

INSPECTION MARCH 14-21 (88-06): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF ULTRASONIC EXAMINATION OF UNIT 2 REACTOR VESSEL SHROUD ACCESS COVER AS REFERENCED IN NRC INFORMATION NOTICE NO. 88-03 AND GENERAL ELECTRIC (GE) SURVEILLANCE INSTRUCTION LETTER (SIL) NO. 462 AND INSERVICE INSPECTION STATUS FOR UNITS 1 AND 3. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURE FOR PREVENTION OF FOREIGN MATERIAL IN REACTOR VESSEL CAVITY.

INSPECTION MARCH 22-24 (88-08): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO ENSURE THAT OPERATORS IN GROUP 4 OF YOUR ACCELERATED REQUALIFICATION TRAINING COURSE HAD SATISFACTORILY COMPLETED THE COURSE AND ARE READY TO PERFORM LICENSED DUTIES IN THE SHUTDOWN AND REFUELING MODES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS REPORT.

INSPECTION APRIL 4-8 (88-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED REVIEW AND EVALUATION OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

TVA APPOINTED MR. JOHN WALKER TO PLANT MANAGER POSITION.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

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

INSPECTION REPORT NO: 50-296/88-09 +

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

2. Reporting Period: 05/01/88 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

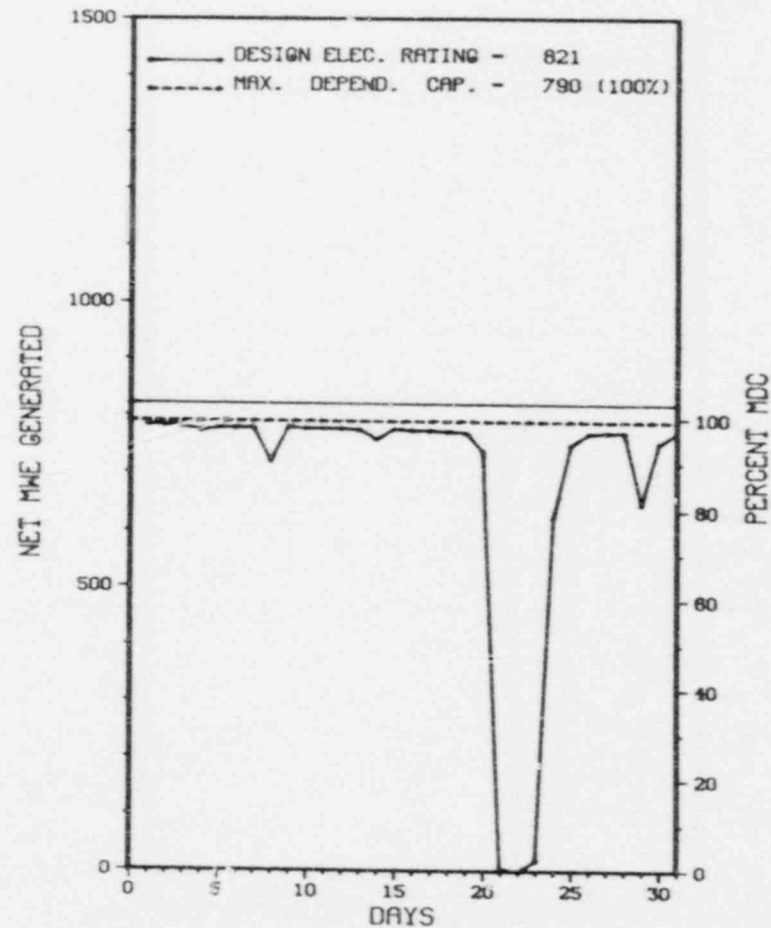
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>98,232.0</u>
13. Hour, Reactor Critical	<u>697.8</u>	<u>2,947.6</u>	<u>63,885.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>679.6</u>	<u>2,860.2</u>	<u>60,720.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,597,827</u>	<u>6,706,516</u>	<u>128,686,052</u>
18. Gross Elec Ener (MWH)	<u>527,490</u>	<u>2,211,910</u>	<u>42,321,457</u>
19. Net Elec Ener (MWH)	<u>510,725</u>	<u>2,141,738</u>	<u>40,720,870</u>
20. Unit Service Factor	<u>91.3</u>	<u>78.4</u>	<u>61.8</u>
21. Unit Avail Factor	<u>91.3</u>	<u>78.4</u>	<u>61.8</u>
22. Unit Cap Factor (MDC Net)	<u>86.9</u>	<u>74.3</u>	<u>52.5</u>
23. Unit Cap Factor (DER Net)	<u>83.6</u>	<u>71.5</u>	<u>50.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,619.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88031	05/08/88	S	0.0	B	5				REDUCE POWER FOR CONTROL ROD PATTERN CHANGE.
88038	05/20/88	S	64.4	A	1				SHUTDOWN TO REPLACE MCC BOLTS.
88035	05/25/88	S	0.0	B	5				REDUCE POWER FOR CONTROL ROD PATTERN CHANGE.
88037	05/29/88	S	0.0	B	5				REDUCE POWER FOR CONTROL ROD PATTERN CHANGE.

 * SUMMARY *

 BRUNSWICK 1 INCURRED 3 POWER REDUCTIONS AND ONE SCHEDULED
 OUTAGE DURING MAY 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)

* BRUNSWICK 1 *

FACILITY DATA

Report Period MAY 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.....B. BUCKLEY
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. COLL JE ROAD
WILMINGTON, N. C. 28403

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

INSPECTION SUMMARY

+ INSPECTION MARCH 7-11 (88-13): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF THE PREVIOUS OPEN ITEMS AND MARK I CONTAINMENT LONG TERM PROGRAM MODIFICATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ GE CR305 SERIES AUXILIARY CONTACTS (REPLACED GE CR205) USED IN SAFETY RELATED SYSTEMS WERE FOUND TO BE SICKING, AND CONSEQUENTLY CAUSING VALVE FAILURE. GE HAS CORRECTED RELATED MANUFACTURING PROBLEM, AND IS PRESENTLY TESTING THE CR305 REPLACEMENT BEFORE INSTALLATION INTO BOTH UNITS.

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>110,256.0</u>
13. Hours Reactor Critical	<u>542.2</u>	<u>690.7</u>	<u>67,763.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>450.0</u>	<u>519.2</u>	<u>63,765.7</u>
16. Unit Reserve Shtdwn	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>924,667</u>	<u>991,789</u>	<u>127,579,268</u>
18. Gross Elec Ener (MWh)	<u>704,330</u>	<u>326,380</u>	<u>42,067,912</u>
19. Net Elec Ener (MWh)	<u>290,265</u>	<u>289,711</u>	<u>40,332,540</u>
20. Unit Service Factor	<u>60.5</u>	<u>14.2</u>	<u>57.8</u>
21. Unit Avail Factor	<u>60.5</u>	<u>14.2</u>	<u>57.8</u>
22. Unit Cap Factor (MDC Net)	<u>49.4</u>	<u>10.1</u>	<u>46.3</u>
23. Unit Cap Factor (DER Net)	<u>47.5</u>	<u>9.7</u>	<u>44.6</u>
24. Unit Forced Outage Rate	<u>39.5</u>	<u>36.9</u>	<u>15.1</u>
25. Forced Outage Hours	<u>294.0</u>	<u>304.1</u>	<u>11,763.9</u>

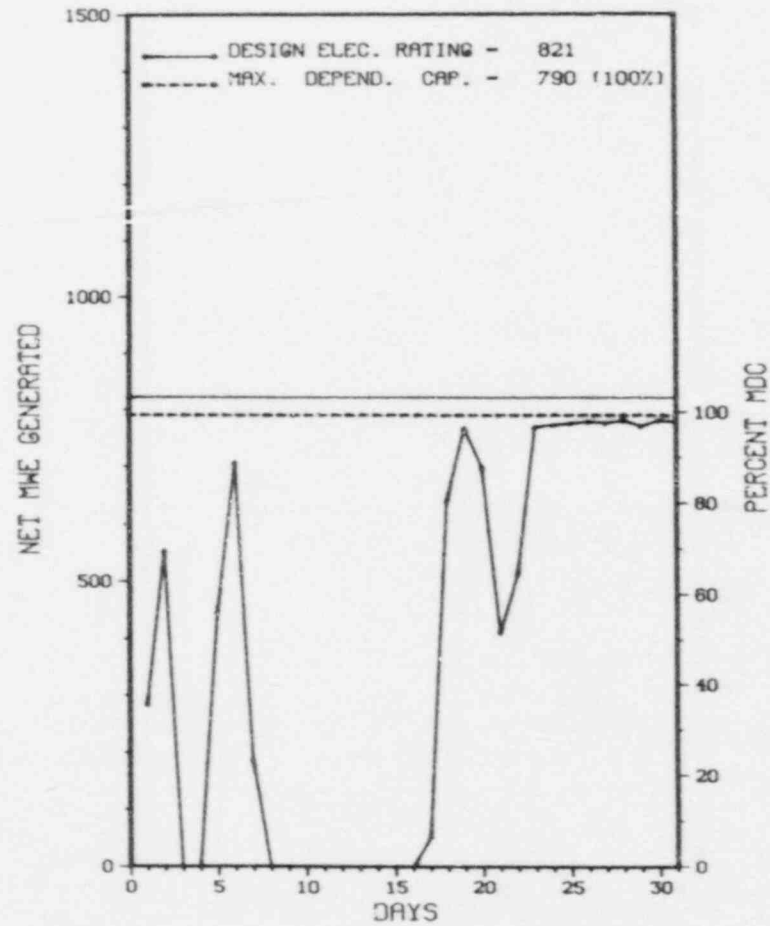
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88006	05/02/88	F	46.5	A	1				UNIT SHUTDOWN FOR DRYWELL LEAK REPAIRS. WHILE REDUCING POWER, AN AUTOMATIC TURBINE TRIP WAS INCURRED.
88009	05/07/88	S	0.0	B	5				REDUCE POWER FOR CONTROL ROD PATTERN CHANGE.
88010	05/07/88	F	247.5	A	1				WHILE PERFORMING ROUTINE VALVE TESTING, NO. 3 BYPASS VALVE STUCK OPEN. UNIT WAS SHUT DOWN TO REPAIR NO. 3 BYPASS VALVE. DURING SHUTDOWN, MCC BOLTS WERE REPLACED.
88011	05/20/88	F	0.0	A	5				REDUCE POWER TO REPAIR WATERBOX TUBE LEAKS.
88013	05/23/88	S	0.0	B	5				REDUCE POWER FOR CONTROL ROD PATTERN CHANGE.

 * SUMMARY *

 BRUNSWICK 2 INCURRED 3 POWER REDUCTIONS AND 2 FORCED OUTAGES DURING MAY 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)

* BRUNSWICK 2 *

FACILITY DATA

Report Period MAY 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...MARCH 20, 1975
DATE ELEC ENER 1ST GENER...APRIL 29, 1975
DATE COMMERCIAL OPERATE...NOVEMBER 3, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE FEAR RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. RULAND
LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-324
LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974
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

+ INSPECTION MARCH 7-11 (88-13): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF THE PREVIOUS OPEN ITEMS AND MARK I CONTAINMENT LONG TERM PROGRAM MODIFICATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ GE CR305 SERIES AUXILIARY CONTACTS (REPLACED GE CR205) USED IN SAFETY RELATED SYSTEMS WERE FOUND TO BE SICKING, AND CONSEQUENTLY CAUSING VALVE FAILURE. GE HAS CORRECTED RELATED MANUFACTURING PROBLEM, AND IS PRESENTLY TESTING THE CR305 REPLACEMENT BEFORE INSTALLATION INTO BOTH UNITS.

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

2. Reporting Period: 05/01/88 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): 1120

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>3,647.0</u>	<u>23,736.0</u>
13. Hours Reactor Critical	<u>649.0</u>	<u>3,201.7</u>	<u>18,513.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>37.8</u>
15. Hrs Generator On-Line	<u>648.3</u>	<u>3,191.4</u>	<u>18,152.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,145,372</u>	<u>9,972,134</u>	<u>53,567,985</u>
18. Gross Elec Ener (MWH)	<u>727,058</u>	<u>3,320,029</u>	<u>17,945,806</u>
19. Net Elec Ener (MWH)	<u>689,586</u>	<u>3,133,042</u>	<u>16,872,519</u>
20. Unit Service Factor	<u>87.1</u>	<u>87.5</u>	<u>76.5</u>
21. Unit Avail Factor	<u>87.1</u>	<u>87.5</u>	<u>76.5</u>
22. Unit Cap Factor (MDC Net)	<u>82.8</u>	<u>76.7</u>	<u>63.5</u>
23. Unit Cap Factor (DER Net)	<u>82.8</u>	<u>76.7</u>	<u>63.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>5.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>65.3</u>	<u>977.4</u>

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

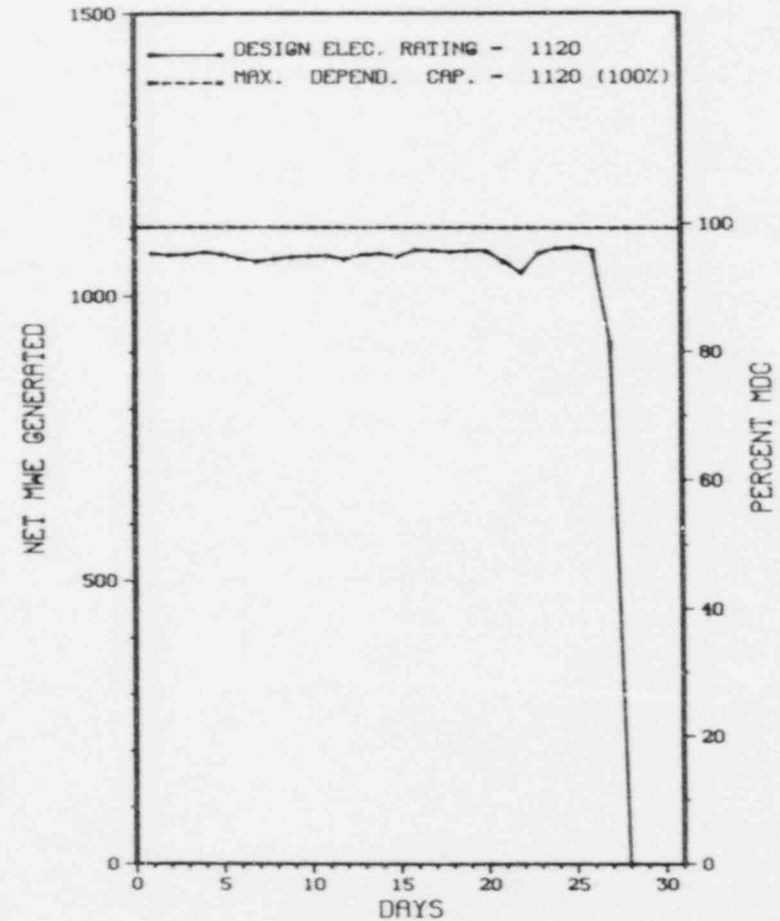
REFUELING 9/30/88.

27. If Currently Shutdown Estimated Startup Date: 06/13/88

 * BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	05/28/88	S	95.7	A	1		SG		OUTAGE FOR 1A STEAM GENERATOR TUBE LEAK REPAIR.

 * SUMMARY *

 BYRON 1 INCURRED 1 SCHEDULED OUTAGE IN MAY FOR 1A STEAM
 GENERATOR TUBE LEAK REPAIR.

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

* BYRON 1 *

FACILITY DATA

Report Period MAY 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
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to prevent Recurrence
8	05/06/88	F	16.6	A	2		FW	2CFWPP	MANUAL TRIP AT 20% STEAM GENERATOR LEVEL PRIOR TO AUTO TRIP AT 17% STEAM GENERATOR LEVEL, AFTER THE 2C FEEDWATER PUMP TRIPPED.
9	05/21/88	S	0.0	B	5				REDUCED LOAD TO CLEAN WATER BOXES.

 * SUMMARY *

 BYRON 2 INCURRED 1 FORCED OUTAGE AND 1 LOAD REDUCTION IN MAY 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)

* BYRON 2 *

FACILITY DATA

Report Period MAY 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

INSPECTION STATUS

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

CHANGE NRC RESIDENT TO P BROCHMAN

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
88-04	050688	060388	MAIN FEEDWATER PUMP TRIP DUE TO IMPROPER ISOLATION OF ELECTRO-HYDRAULIC CONTROL FLUID SUPPLY RESULTING IN REACTOR TRIP.

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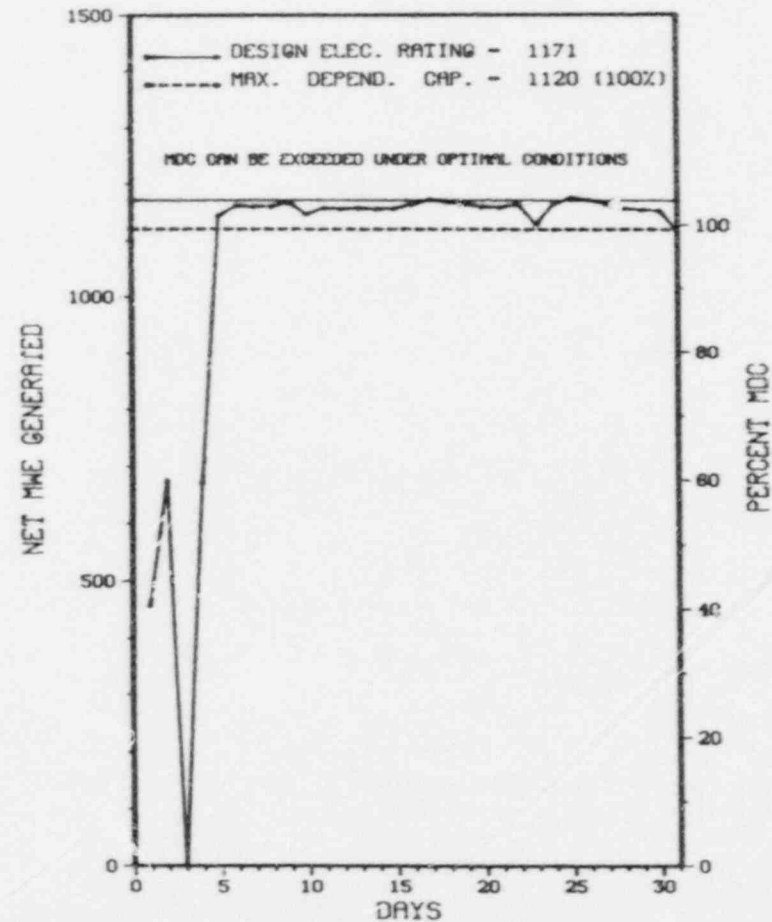
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1. Docket: 50-483 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: MARY DALY (314) 676-8460
4. Licensed Thermal Power (Mwt): 3565
5. Nameplate Rating (Gross MWe): 1373 X .9 = 1236
6. Design Electrical Rating (Net MWe): 1171
7. Maximum Dependable Capacity (Gross MWe): 1174
8. Maximum Dependable Capacity (Net MWe): 1120
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. 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>3,647.0</u> | <u>30,229.5</u> |
| 13. Hours Reactor Critical | <u>721.7</u> | <u>3,240.3</u> | <u>25,238.1</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 15. Hrs Generator On-Line | <u>715.1</u> | <u>3,187.0</u> | <u>24,642.8</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>2,444,952</u> | <u>10,726,078</u> | <u>79,015,858</u> |
| 18. Gross Elec Ener (MWH) | <u>832,776</u> | <u>3,652,219</u> | <u>26,693,939</u> |
| 19. Net Elec Ener (MWH) | <u>793,295</u> | <u>3,471,615</u> | <u>25,361,291</u> |
| 20. Unit Service Factor | <u>96.1</u> | <u>87.4</u> | <u>81.5</u> |
| 21. Unit Avail Factor | <u>96.1</u> | <u>87.4</u> | <u>81.5</u> |
| 22. Unit Cap Factor (MDC Net) | <u>95.2</u> | <u>85.0</u> | <u>74.9</u> |
| 23. Unit Cap Factor (DER Net) | <u>91.1</u> | <u>81.3</u> | <u>71.6</u> |
| 24. Unit Forced Outage Rate | <u>3.9</u> | <u>7.0</u> | <u>4.4</u> |
| 25. Forced Outage Hours | <u>28.9</u> | <u>240.6</u> | <u>1,144.1</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



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
9	05/02/88	F	28.9	A	3	88-007-0		TURBINE/REACTOR TRIP DUE TO A FAULTY SIGNAL FROM THE TURBINE THROTTLE PRESSURE LIMITING CIRCUIT WHICH CAUSED THE CONTROL VALVES TO CLOSE.
10	05/10/88	F	0.0	A	5			RUNBACK TO 67% DUE TO 'B' CIRCULATING WATER PUMP TRIP DURING AN UNDERVOLTAGE RELAY REPLACEMENT.
11	05/23/88	F	0.0	A	5			RUNBACK TO 74% DUE TO 'C' CIRCULATING WATER PUMP TRIP.
12	05/31/88	F	0.0	A	5			RUNBACK TO 75% DUE TO 'B' CIRCULATING WATER PUMP TRIP.

 * SUMMARY *

 CALLAWAY 1 INCURRED 3 FORCED POWER REDUCTIONS AND 1 FORCED SHUTDOWN IN MAY 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)

* CALLAWAY 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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
SKINKER & LINDELL BLVD.
ST. LOUIS, MO. 63130

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

INSPECTION SUMMARY

INSPECTION FROM FEBRUARY 7 THROUGH APRIL 2 (88004): A ROUTINE UNANNOUNCED SAFETY INSPECTION OF LICENSEE EVENT REPORTS (LERS), INSPECTOR IDENTIFIED PROBLEMS, PLANT OPERATIONS, ENGINEERED SAFETY FEATURES (ESF) SYSTEM WALKDOWN, RADIOLOGICAL CONTROLS, MAINTENANCE, SURVEILLANCE, FIRE PROTECTION, EMERGENCY PREPAREDNESS, SECURITY, QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY, TRAINING, AND QUALIFICATION EFFECTIVENESS AND REGIONAL REQUESTS. OF THE 13 AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN 11 AREAS. ONE VIOLATION (WITH THREE EXAMPLES) WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW PROCEDURE FOR RETEST OF A MAIN STEM ISOLATION VALVE; FAILURE TO USE APPLICABLE DRAINING DURING TROUBLESHOOTING THE ENGINEERING'S SAFETY FEATURES STATUS PANEL; AND FAILURE TO PROVIDE ADEQUATE PROCEDURES FOR PREVENTING EXCESSIVE PLANT COOLDOWN FOLLOWING A REACTOR TRIP. THREE VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO MAINTAIN A CONTINUOUS FIREWATCH; FAILURE TO ESTABLISH A CONTINUOUS FIREWATCH; AND A FAILURE TO CONTROL A DESIGN CHANGE). HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.A., A NOTICE OF VIOLATION WAS NOT ISSUED. THE VIOLATIONS WERE OF MINOR SAFETY SIGNIFICANCE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: 03/03/88

INSPECTION REPORT NO: 88005

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-05	041688	051688	ESF ACTUATIONS ON HIGH STEAM GENERATOR (S/G) LEVEL AND A REACTOR TRIP ON LOW S/G LEVEL DUE TO IMPROPER FEEDWATER CONTROL
88-06	042188	052388	MANUAL REACTOR TRIP DUE TO FAILURE OF THE 'C' MAIN FEEDWATER REGULATING VALVE

=====

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

2. Reporting Period: 05/01/88 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): 880

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

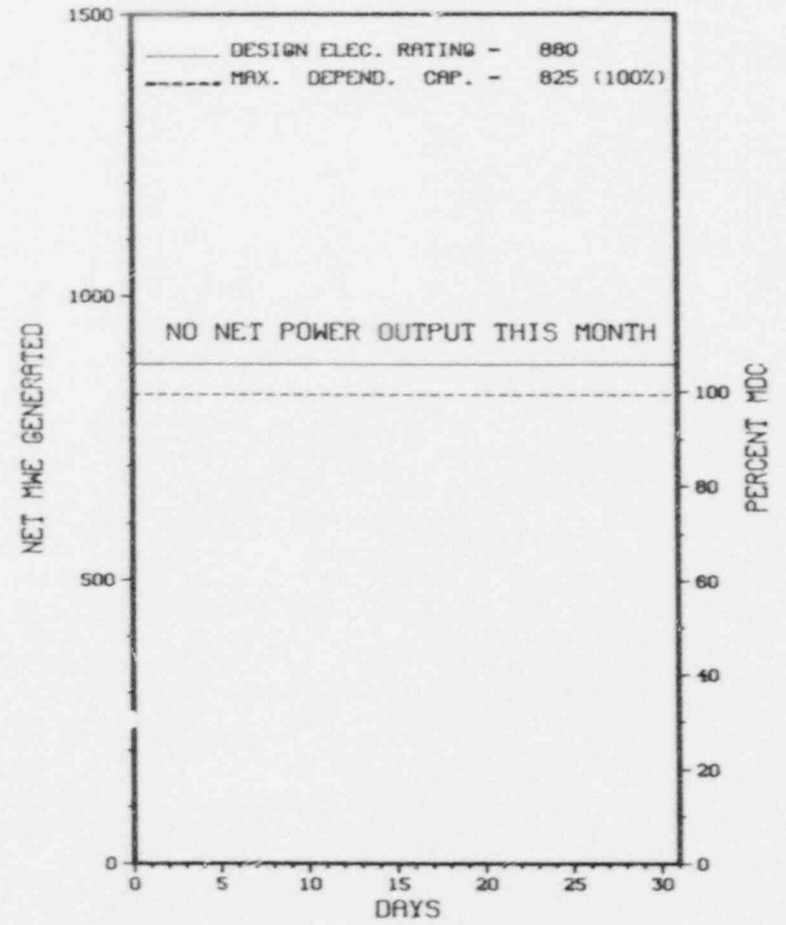
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>114,540.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,378.3</u>	<u>88,765.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,351.3</u>	<u>86,804.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>6,099,545</u>	<u>218,174,263</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,051,480</u>	<u>72,267,081</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,967,731</u>	<u>68,983,248</u>
20. Unit Service Factor	<u>.0</u>	<u>64.5</u>	<u>75.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>64.5</u>	<u>75.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>65.4</u>	<u>73.0*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>63.3</u>	<u>68.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>25.6</u>	<u>8,607.8</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/19/88

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/09/88	S	744.0	C	4				REMAINED SHUTDOWN FOR REFUELING OPERATIONS.

* SUMMARY *

CALVERT CLIFFS 2 REMAINED SHUTDOWN IN MAY 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)

* CALVERT CLIFFS *

FACILITY DATA

Report Period MAY 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 FLEC 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.....D. TRIMBLE
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 FRÉDERICK, MARYLAND 20678

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1988

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

* CALVERT CLIFFS ; *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

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1. Docket: 50-318 OPERATING STATUS

2. Reporting Period: 05/01/88 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): 850

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>3,647.0</u>	<u>97,895.0</u>
13. Hours Reactor Critical	<u>714.4</u>	<u>2,690.1</u>	<u>80,533.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,296.8</u>
15. Hrs Generator On-Line	<u>711.9</u>	<u>2,678.2</u>	<u>79,358.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,859,892</u>	<u>7,054,671</u>	<u>200,395,334</u>
18. Gross Elec Ener (MWH)	<u>625,567</u>	<u>2,387,736</u>	<u>66,275,872</u>
19. Net Elec Ener (MWH)	<u>600,221</u>	<u>2,291,626</u>	<u>63,280,523</u>
20. Unit Service Factor	<u>95.7</u>	<u>73.4</u>	<u>81.1</u>
21. Unit Avail Factor	<u>95.7</u>	<u>73.4</u>	<u>81.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>76.2</u>	<u>78.4</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>74.4</u>	<u>76.5</u>
24. Unit Forced Outage Rate	<u>4.3</u>	<u>4.8</u>	<u>5.6</u>
25. Forced Outage Hours	<u>32.1</u>	<u>135.1</u>	<u>4,707.6</u>

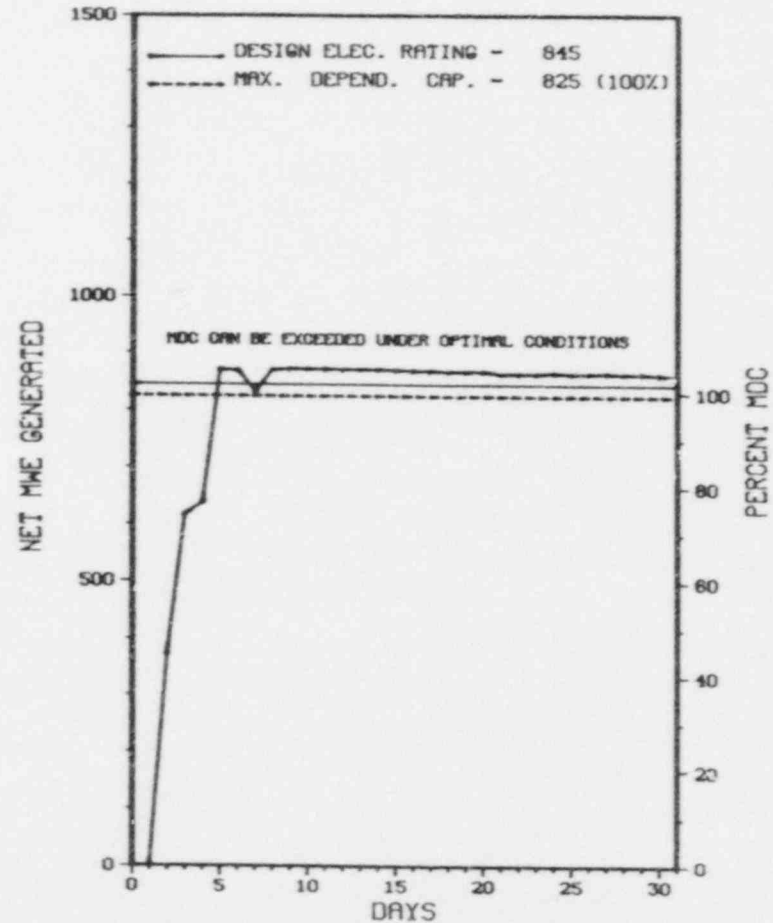
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	04/27/88	F	32.1	A	4	88-04	HB	PUMPXX	REMAINED SHUTDOWN DUE TO LOSS OF FEEDWATER LEVEL AND MAIN STEAM HANGER REPAIRS.

 * SUMMARY *

 CALVERT CLIFFS 2 ENTERED REPORTING MONTH SHUTDOWN DUE TO LOSS OF FEEDWATER LEVEL AND MAIN STEAM HANGER REPAIRS. SUBSEQUENTLY RETURNED TO POWER.

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

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period MAY 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.....D. TRIMBLE
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

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 MAY 1988

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

* CALVERT CLIFFS 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-413 OPERATING STATUS
 2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>25,632.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,360.8</u>	<u>18,474.8</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>3,317.6</u>	<u>17,916.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,453,379</u>	<u>10,746,270</u>	<u>56,801,134</u>
18. Gross Elec Ener (MWH)	<u>872,370</u>	<u>3,818,132</u>	<u>19,909,254</u>
19. Net Elec Ener (MWH)	<u>826,499</u>	<u>3,603,176</u>	<u>18,604,021</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.0</u>	<u>69.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.0</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>87.5</u>	<u>64.3</u>
23. Unit Cap Factor (DER Net)	<u>97.0</u>	<u>86.3</u>	<u>63.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.0</u>	<u>16.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>328.9</u>	<u>3,588.0</u>

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

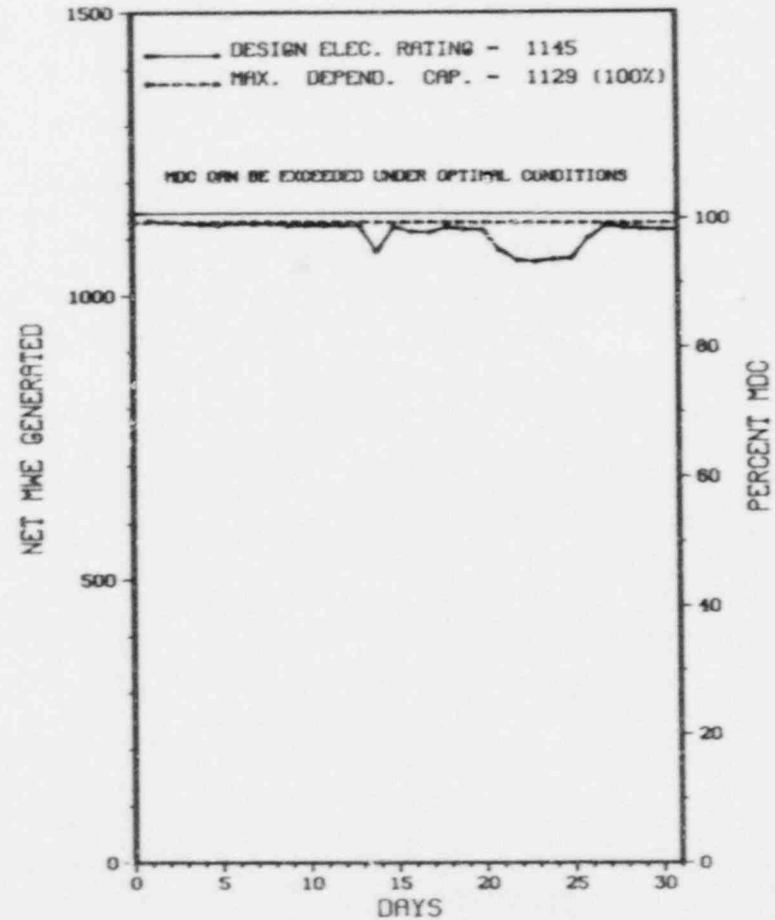
NONE

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

 * CATAWBA 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * CA WBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action / Prevent Recurrence
33-P	05/14/88	S	0.0	B	5		HB	VALVEX	REDUCTION DUE TO CONTROL VALVE MOVEMENT TEST.
34-P	05/16/88	S	0.0	B	5		HB	VALVEX	REDUCTION DUE TO CONTROL VALVE MOVEMENT TEST.
35-P	05/21/88	F	0.0	A	5		HH	VALVEX	REDUCTION DUE TO STEAM GENERATOR '1C' FEEDWATER CONTROL VALVE.

 * SUMMARY *

 CATAWBA 1 INCURRED 3 POWER REDUCTIONS IN MAY 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)

* CATAWBA 1 *

FACILITY DATA

Report Period MAY 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 FEBRUARY 22-26 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION ASPECTS OF THE UNIT 2 OUTAGE INCLUDING: AUDITS AND SURVEILLANCES; PLANNING AND PREPARATION; TRAINING AND QUALIFICATION; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA) AND FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND IE NOTICES. ONE LICENSEE IDENTIFIED VIOLATION WAS IDENTIFIED: FAILURE OF AN INDIVIDUAL TO WEAR AN INTEGRATING, ALARMING DOSIMETER IN A HIGH RADIATION AREA (HRA).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: FEBRUARY 22-26, 1988 +

INSPECTION REPORT NO: 50-413/88-12 +

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
88-012	02/08/88	03/31/88	INADVERTENT RELEASE DUE TO LEAKAGE FOLLOWING SYSTEM MAINTENANCE
88-014	01/13/88	04/01/88	INOPERABLE FIRE BARRIER IN VIOLATION OF TS DUE TO THE INSTALLATION OF TELEPHONE WIRE BECAUSE OF A MGT DEFICIENCY
88-015	03/09/88	04/08/88	DEGRADED PERFORMANCE OF UNIT 1 AUXILIARY FEEDWATER SYSTEM AND REQUIREMENT SHUTDOWN OF BOTH UNITS DUE TO A STATIC CLAM INFEST NSW
88-017	03/17/88	04/15/88	INADVERTENT ACTUATION OF A REACTOR TRIP BREAKER DUE TO A PERSONNEL ERROR

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1. Docket: 50-414 **OPERATING STATUS**
 2. Reporting Period: 05/01/88 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): 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:

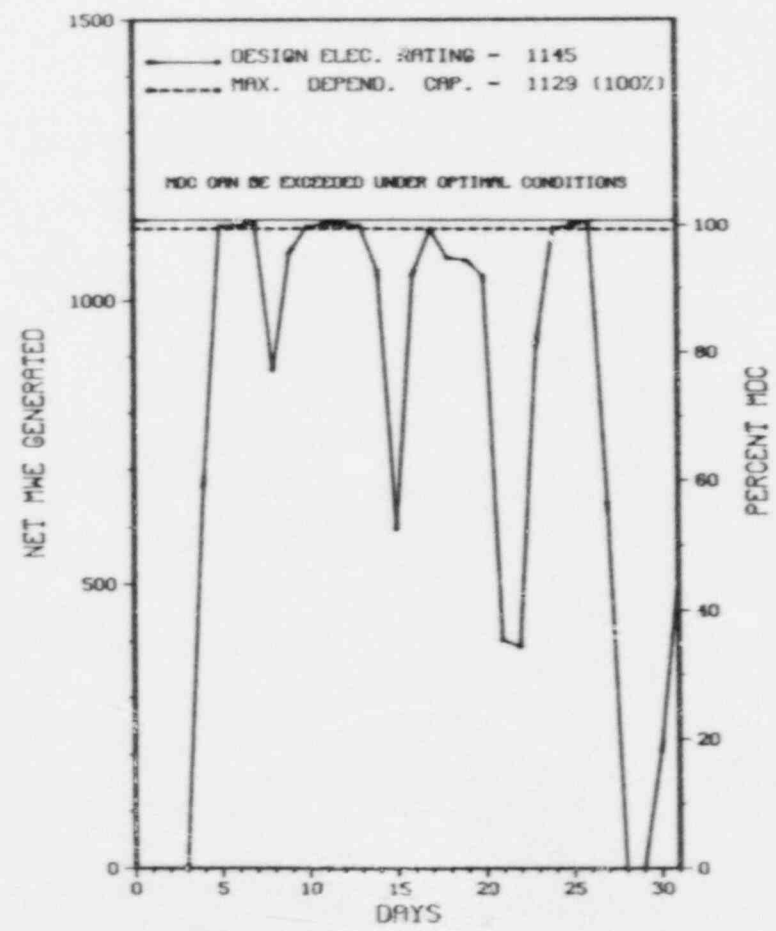
10. Power Level To Which Restricted, If Any (Net MWe): _____
 11. Reasons for Restrictions, If Any: _____
 NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>15,648.0</u>
13. Hours Reactor Critical	<u>646.7</u>	<u>1,590.8</u>	<u>10,196.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>616.3</u>	<u>1,487.9</u>	<u>9,832.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,755,584</u>	<u>4,118,517</u>	<u>29,846,010</u>
18. Gross Elec Ener (MWH)	<u>613,439</u>	<u>1,435,129</u>	<u>10,512,157</u>
19. Net Elec Ener (MWH)	<u>570,912</u>	<u>1,297,711</u>	<u>9,764,403</u>
20. Unit Service Factor	<u>82.8</u>	<u>40.8</u>	<u>62.8</u>
21. Unit Avail Factor	<u>82.8</u>	<u>40.8</u>	<u>62.8</u>
22. Unit Cap Factor (MDC Net)	<u>68.0</u>	<u>31.5</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>67.0</u>	<u>31.1</u>	<u>54.5</u>
24. Unit Forced Outage Rate	<u>9.3</u>	<u>26.1</u>	<u>28.5</u>
25. Forced Outage Hours	<u>63.1</u>	<u>526.6</u>	<u>3,920.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
 NONE
 27. If Currently Shutdown Estimated Startup Date: N/A

 * CATAWBA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CATAWBA 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X CATAWBA 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	05/01/88	S	64.6	A	1		HA	XXXXXX	UNIT REMOVED FROM SERVICE TO REPAIR EXCITER GROUND FAULT.
30-P	05/04/88	S	0.0	B	5		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION.
36-P	05/16/88	S	0.0	B	5		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION.
40-P	05/23/88	S	0.0	B	5		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION.
9	05/27/88	F	33.3	A	3		HB	TURBIN	REACTOR TRIP DUE TO LOSS OF POWER TO MAIN FEEDWATER PUMP TURBINE '2B'.
10	05/28/88	F	29.8	A	2		HH	VALVEX	MANUAL REACTOR TRIP DUE TO STEAM GENERATOR '2C' FEEDWATER CONTROL VALVE MALFUNCTION.
41-P	05/30/88	F	0.0	A	5		EE	CKTBKR	HOLDING POWER FOR INVESTIGATION OF '2B' GENERATOR SIDE BREAKER.
42-P	05/30/88	F	0.0	A	5		HE	TURBIN	HOLDING POWER FOR INVESTIGATION OF STEAM LEAK ON MAIN TURBINE PIPING.

 X SUMMARY X

 CATAWBA 2 INCURRED 3 POWER OUTAGES AND SEVERAL POWER REDUCTIONS IN MAY 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)

* CATAWBA 2 *

FACILITY DATA

Report Period MAY 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

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

INSPECTION SUMMARY

* INSPECTION FEBRUARY 22-26 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE RADIATION PROTECTION ASPECTS OF THE UNIT 2 OUTAGE INCLUDING: AUDITS AND SURVEILLANCES; PLANNING AND PREPARATION; TRAINING AND QUALIFICATION; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; THE PROGRAM TO MAINTAIN EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA) AND FOLLOWUP ON PREVIOUS ENFORCEMENT ITEMS AND IE NOTICES. ONE LICENSEE IDENTIFIED VIOLATION WAS IDENTIFIED: FAILURE OF AN INDIVIDUAL TO WEAR AN INTEGRATING, ALARMING DOSIMETER IN A HIGH RADIATION AREA (HRA).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-461 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>4,545.3</u>
13. Hours Reactor Critical	<u>716.3</u>	<u>2,591.6</u>	<u>3,489.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>636.1</u>	<u>2,506.6</u>	<u>3,404.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,606,094</u>	<u>6,691,968</u>	<u>8,837,468</u>
18. Gross Elec Ener (MWH)	<u>529,993</u>	<u>2,233,033</u>	<u>2,949,683</u>
19. Net Elec Ener (MWH)	<u>503,483</u>	<u>2,131,499</u>	<u>2,815,602</u>
20. Unit Service Factor	<u>85.5</u>	<u>68.7</u>	<u>74.9</u>
21. Unit Avail Factor	<u>85.5</u>	<u>68.7</u>	<u>74.9</u>
22. Unit Cap Factor (MDC Net)	<u>72.8</u>	<u>62.8</u>	<u>66.6</u>
23. Unit Cap Factor (DER Net)	<u>72.5</u>	<u>62.6</u>	<u>66.4</u>
24. Unit Forced Outage Rate	<u>14.5</u>	<u>4.1</u>	<u>3.1</u>
25. Forced Outage Hours	<u>107.9</u>	<u>107.2</u>	<u>107.9</u>

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

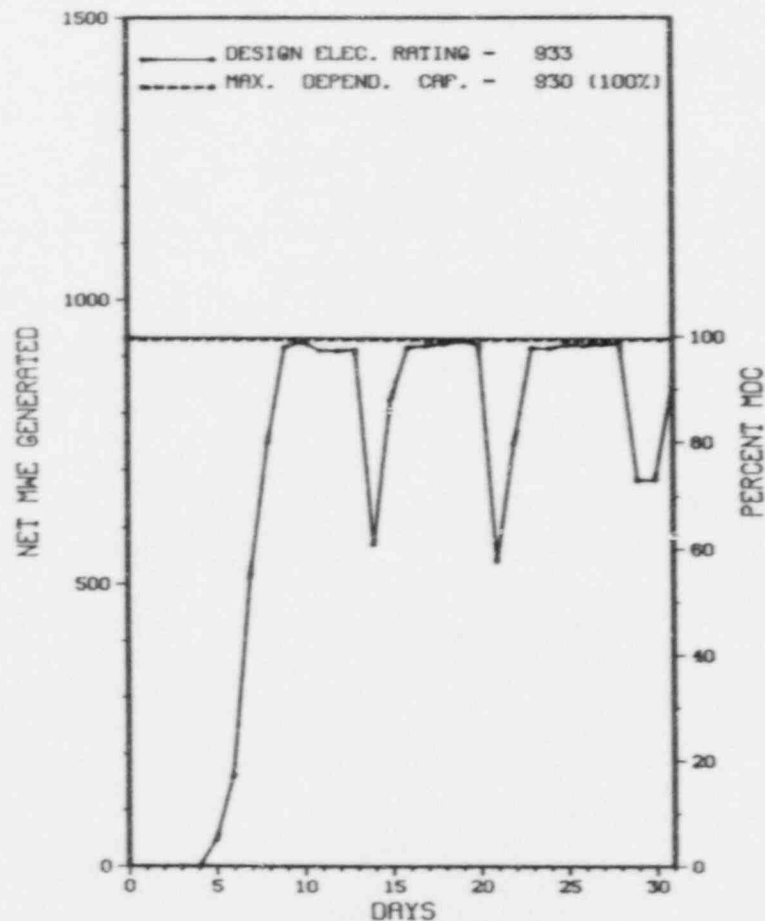
NONE

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

 * CLINTON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CLINTON 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * CLINTON 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	05/01/88	F	107.9	H	9				UNPLANNED DIFFICULTIES DELAYED START UP OF THE PLANT.
10	05/14/88	S	0.0	B	5				REDUCED POWER TO APPROXIMATELY 60% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING AND MAINTENANCE ON THE MOISTURE SEPARATOR/REHEATER.
11	05/21/88	S	0.0	B	5				REDUCED POWER TO APPROXIMATELY 60% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING AND MAINTENANCE ON MOISTURE SEPARATOR/REHEATER.
12	05/29/88	S	0.0	B	5				REDUCED POWER TO APPROXIMATELY 75% OF RATED REACTOR POWER TO PERFORM SURVEILLANCE TESTING AND MAINTENANCE ON A FEEDWATER HEATER.

XXXXXXXXXXXX CLINTON 1 INCURRED 3 SCHEDULED POWER REDUCTIONS AND 1 FORCED
 * SUMMARY * OUTAGE IN MAY FOR REASONS STATED ABOVE.
 XXXXXXXXXXXX

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

X CLINTON 1 X

FACILITY DATA

Report Period MAY 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.....J. 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 AUGUST 10 THROUGH APRIL 29 (87027): SPECIAL SAFETY INSPECTION TO FOLLOW-UP ON ALLEGATION RIII-87-A-0027 (99014) AND OF THE LICENSEE'S FOLLOW-UP ACTIONS TO THE VIOLATIONS (92702) AND UNRESOLVED ITEM (92701) IDENTIFIED IN INSPECTION REPORT NO. 50-461/87014(DRS). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 17 THROUGH APRIL 14 (88004): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS: NRC COMPLIANCE BULLETIN FOLLOWUP; ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS AT POWER REACTOR FACILITIES; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; TRAINING EFFECTIVENESS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; AND MANAGEMENT MEETING. OF THE EIGHT AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED IN THE ARE OF OPERATION SAFETY VERIFICATION. THE IDENTIFIED VIOLATIONS INCLUDED: FAILURE TO TAKE PROMPT CORRECTIVE ACTION TO AN IDENTIFIED INSTRUMENT FAILURE; FAILURE TO PROPERLY EVALUATE THE IMPACT OF A SUPPORT SYSTEM WHEN REMOVED FROM SERVICE; AND FAILURE TO PERFORM A SAFETY EVALUATION REQUIRED BY 10 CFR 50.59 WHEN MATERIAL WAS STAGED IN CONTAINMENT DIRECTLY OVER THE SUPPRESSION POOL. IN ADDITION, ONE VIOLATION IN THE AREA OF ONSITE FOLLOWUP OF EVENTS WAS IDENTIFIED: FAILURE TO COMPLY WITH A TECHNICAL SPECIFICATION ACTION STATEMENT. ALL OF THE ABOVE VIOLATIONS ARE RECEIVING LICENSEE MANAGEMENT ATTENTION.

INSPECTION ON MARCH 21 THROUGH APRIL 15 (88007): SPECIAL, UNANNOUNCED TEAM INSPECTION ASSESSING THE EFFECTIVENESS OF THE LICENSEE'S QUALITY VERIFICATION (QV) ORGANIZATIONS (TI 2515/78). AREAS REVIEWED INCLUDED SPECIFIC QV ACTIVITIES, QUALITY CONTROL, C AND I, OPERATIONS SURVEILLANCES, AND CONDUCT OF CONTROL ROOM OPERATIONS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION ON APRIL 25-27 (88012): ROUTINE, ANNOUNCED INSPECTION OF THE CLINTON POWER STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY THREE NRC INSPECTORS OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE (IP 82301). THE LICENSEE DEMONSTRATED AN ADEQUATE RESPONSE, IN TERMS OF FACILITIES, PROCEDURES, AND PERSONNEL PERFORMANCE, TO A HYPOTHETICAL ACCIDENT SCENARIO INVOLVING A RADIOACTIVE RELEASE. NO VIOLATIONS, DEFICIENCIES, DEVIATIONS, EXERCISE WEAKNESSES, OR OPEN ITEMS 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: 05/13/88

INSPECTION REPORT NO: 88013

Report Period MAY 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X CLINTON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-09	040188	050288	IMPROPER USE OF AN IMPACT MATRIX RESULTS IN INSTRUMENT AIR ISOLATION DURING LOAD DRIVER CIRCUIT CARD TESTING DUE TO LIFTING WRONG LEAD WIRE TO PRECLUDE ISOLATION
88-11	031188	050688	UNKNOWN PLUGGED INLET LINES CAUSE DRYWELL AIR COOLERS' CONDENSATE FLOW MONITORING SYSTEM TO BE INOPERABLE RESULTING IN MISSED DRYWELL ATMOSPHERE GRAB SAMPLES
88-12	042988	052788	FAILURE TO ADEQUATELY CONTROL THE EQUIPMENT QUALIFICATION PROGRAM RESULTS IN INOPERABLE STANDBY GAS TREATMENT SYSTEM AND PLANT SHUTDOWN
88-13	043088	051888	FAULTY CARD SELECT DECODER CAUSES SPURIOUS LOW REACTOR WATER LEVEL TRIP OF INSTRUMENT AIR ISOLATION VALVES DURING DRYWELL PRESSURE CHANNEL CALIBRATION.
88-14	050288	052588	INOPERABLE AIRLOCK DOOR SYSTEM DUE TO INADEQUATE ASSESSMENT OF THE IMPACT OF AN AIRLOCK REPAIR DURING POST MAINTENANCE TESTING EVALUATION

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1. Docket: 50-315 OPERATING STATUS
 2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: HIRSCH (616) 465-5901
 4. Licensed Thermal Power (Mwt): 3250
 5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
 6. Design Electrical Rating (Net MWe): 1030
 7. Maximum Dependable Capacity (Gross MWe): 1056
 8. Maximum Dependable Capacity (Net MWe): 1020
 9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restricted, If Any (Net MWe): 920

11. Reasons for Restrictions, If Any: _____

ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>117,599.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,594.3</u>	<u>85,431.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,582.0</u>	<u>83,819.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,156,579</u>	<u>10,328,112</u>	<u>243,319,482</u>
18. Gross Elec Ener (MWH)	<u>703,360</u>	<u>3,367,280</u>	<u>79,511,950</u>
19. Net Elec Ener (MWH)	<u>676,471</u>	<u>3,237,330</u>	<u>76,468,328</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.2</u>	<u>72.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.2</u>	<u>72.5</u>
22. Unit Cap Factor (MDC Net)	<u>89.1</u>	<u>87.0</u>	<u>64.8</u>
23. Unit Cap Factor (DER Net)	<u>88.3</u>	<u>86.2</u>	<u>62.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>8.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.5</u>	<u>6,644.7</u>

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

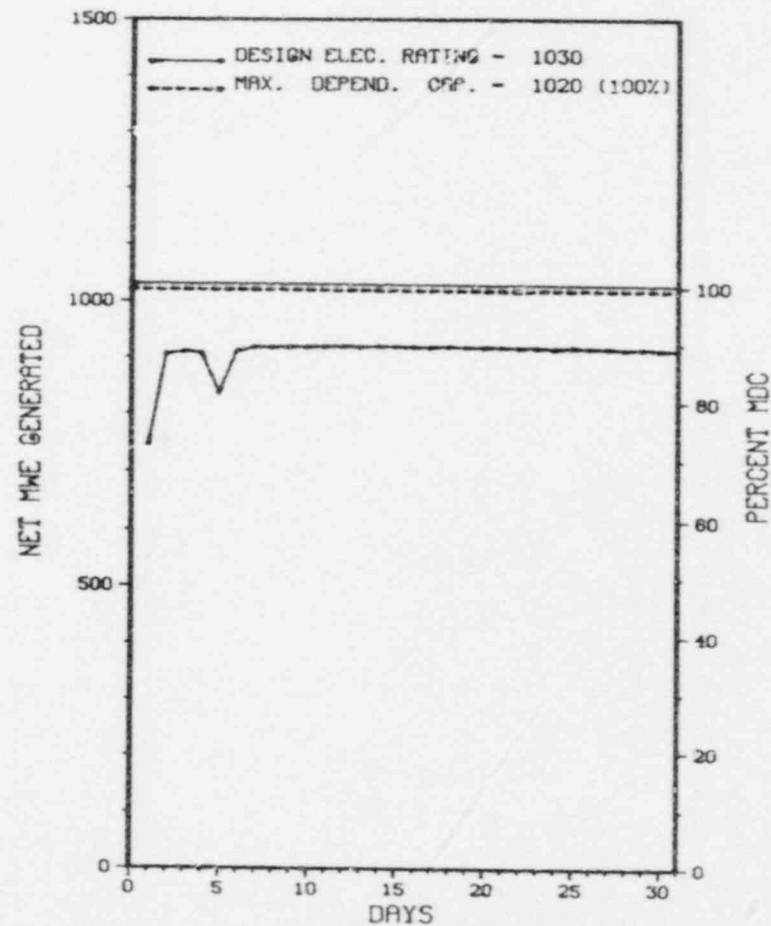
NONE

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

 * COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



MAY 1988

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

XXXXXXXXXX
 * SUMMARY *
 XXXXXXXXXXXXX
 COOK 1 OPERATED ROUTINELY IN MAY WITH NO OUTAGES OR SIGNIFICANT
 POWER REDUCTIONS, WHILE OPERATING AT AN ADMINISTRATIVELY
 IMPOSED LEVEL OF 90% POWER.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....PERRIEN
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

INSPECTION ON MARCH 15 THROUGH APRIL 25 (88012: 88014): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL CONTROLS; MAINTENANCE; SURVEILLANCE; FIRE PROTECTION; SECURITY; OUTAGES; QUALITY PROGRAMS, AND REPORTABLE EVENTS. IN ADDITION, AN ENFORCEMENT CONFERENCE AND A MANAGEMENT MEETING WERE CONDUCTED. OF THE TEN AREAS INSPECTED, ONE VIOLATIONS (FAILURE TO PERFORM REQUIRED CHANNEL CHECKS) WAS IDENTIFIED IN ONE AREA, AND NONE WERE IDENTIFIED IN THE REMAINING NINE AREAS.

INSPECTION ON MAY 16-17, 24, 31 AND APRIL 12, 15, MAY 4-5, 17-18 (88012): SPECIAL, ANNOUNCED SAFETY INSPECTION OF PREVIOUS INSPECTION FINDINGS CONCERNING WELDER QUALIFICATION, POLAR CRANE REPAIRS, AND MODIFICATION DOCUMENTATION (92701); PREPARATION FOR STEAM GENERATOR REPLACEMENT, AUXILIARY BUILDING CRANE UPGRADE, AND INCORE THIMBLE TYPE EDDY CURRENT EXAMINATION (37702). ONE APPARENT VIOLATION WAS IDENTIFIED IN THE AREA OF DESIGN CONTROL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-316 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: HIRSCH (616) 465-5901
4. Licensed Thermal Power (Mwt): 3411
5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1100
8. Maximum Dependable Capacity (Net MWe): 1060
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 864
11. Reasons for Restrictions, If Any: _____

ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>91,295.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,715.5</u>	<u>63,587.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,715.1</u>	<u>62,210.3</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>7,410,979</u>	<u>191,990,217</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,419,600</u>	<u>61,896,040</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>2,323,265</u>	<u>59,586,746</u>
20. Unit Service Factor	<u>.0</u>	<u>74.4</u>	<u>70.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>74.4</u>	<u>70.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>60.1</u>	<u>63.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>57.9</u>	<u>61.7</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>10,497.2</u>

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

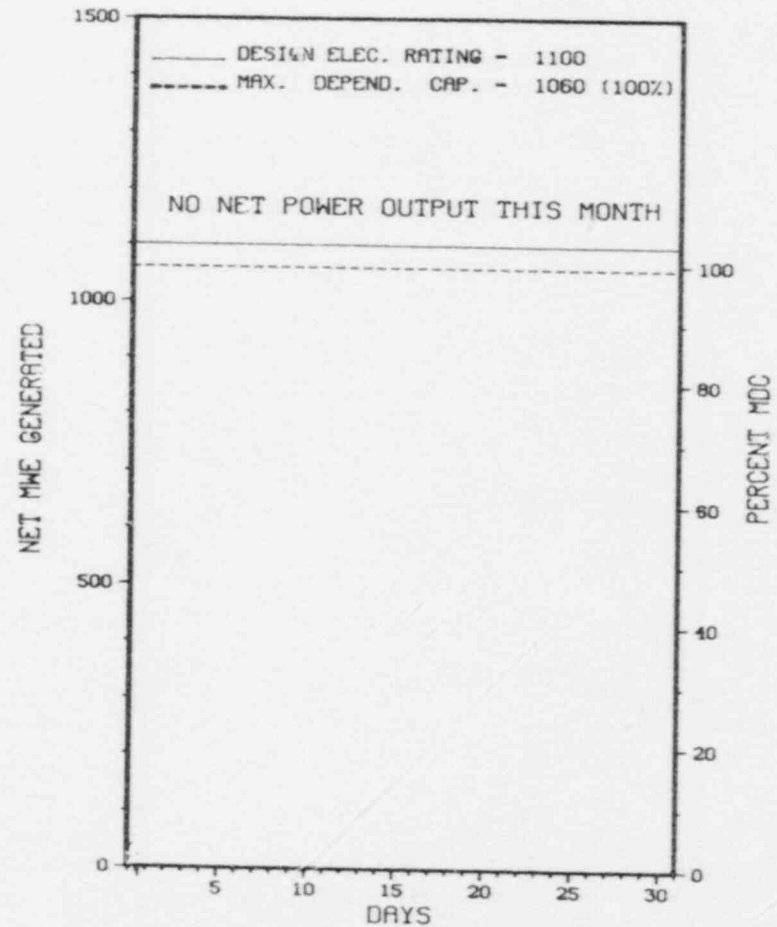
NONE

27. If Currently Shutdown Estimated Startup Date: 02/01/89

 * COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCT

NS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	& Corrective Action to Prevent Recurrence
189	04/23/88	S	744.0	B	4		ZZ	ZZZZZ	ON 4/23, THE UNIT WAS REMOVED FROM SERVICE FOR THE STEAM GENERATOR REPLACEMENT/REFUELING OUTAGE. THE REPORTING PERIOD ENDED WITH THE REACTOR CORE UNLOADED. THE EXPECTED DATE FOR RETURN TO SERVICE IS FEB. 1989.

 * SUMMARY *

 COOK 2 REMAINED SHUTDOWN IN MAY FOR STEAM GENERATOR REPLACEMENT AND REFUELING.

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

* COOK 2 *

FACILITY DATA

Report Period MAY 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

INSPECTION ON MARCH 15 THROUGH APRIL 25 (88012; 88014): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; OPERATIONAL SAFETY VERIFICATION; RADIOLOGICAL CONTROLS; MAINTENANCE; SURVEILLANCE; FIRE PROTECTION; SECURITY; OUTAGES; QUALITY PROGRAMS, AND REPORTABLE EVENTS. IN ADDITION, AN ENFORCEMENT CONFERENCE AND A MANAGEMENT MEETING WERE CONDUCTED. OF THE TEN AREAS INSPECTED, ONE VIOLATIONS (FAILURE TO PERFORM REQUIRED CHANNEL CHECKS) WAS IDENTIFIED IN ONE AREA, AND NONE WERE IDENTIFIED IN THE REMAINING NINE AREAS.

INSPECTION ON MAY 16-17, 24, 31 AND APRIL 12, 15, MAY 4-5, 17-18 (88012): SPECIAL, ANNOUNCED SAFETY INSPECTION OF PREVIOUS INSPECTION FINDINGS CONCERNING WELDER QUALIFICATION, POLAR CRANE REPAIRS, AND MODIFICATION DOCUMENTATION (92701); PREPARATION FOR STEAM GENERATOR REPLACEMENT, AUXILIARY BUILDING CRANE UPGRADE, AND INCORE THIMBLE TYPE EDDY CURRENT EXAMINATION (37702). ONE APPARENT VIOLATION WAS IDENTIFIED IN THE AREA OF DESIGN CONTROL.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT CONTINUED IN AN OUTAGE THAT BEGAN 4/23/88 FOR S/G REPLACEMENT. OUTAGE EXPECTED TO LAST 9 MONTHS.

LAST IE SITE INSPECTION DATE: 03/31/88

INSPECTION REPORT NO: 88015

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
88-04	042088	051288	MAIN STEAM SAFETY VALVES OUT OF SPECIFICATION DUE TO APPARENT SETPOINT DRIFT
88-05	042688	051988	ICE BUILDUP IN ICE CONDENSER FLOW PASSAGES DUE TO SUBLIMATION
88-06	043088	052788	ECCS FLOW IMBALANCE CAUSED BY NORMAL SYSTEM FLUCTUATIONS

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

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. T. SCHEUERMAN (402) 825-3811

4. Licensed Thermal Power (MWT): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>122,016.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,297.0</u>	<u>91,304.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,281.2</u>	<u>89,825.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,629,440</u>	<u>177,260,147</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>872,027</u>	<u>56,931,108</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>840,096</u>	<u>54,868,720</u>
20. Unit Service Factor	<u>.0</u>	<u>35.1</u>	<u>73.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>35.1</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>30.2</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>29.6</u>	<u>57.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>16.8</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>259.3</u>	<u>3,953.6</u>

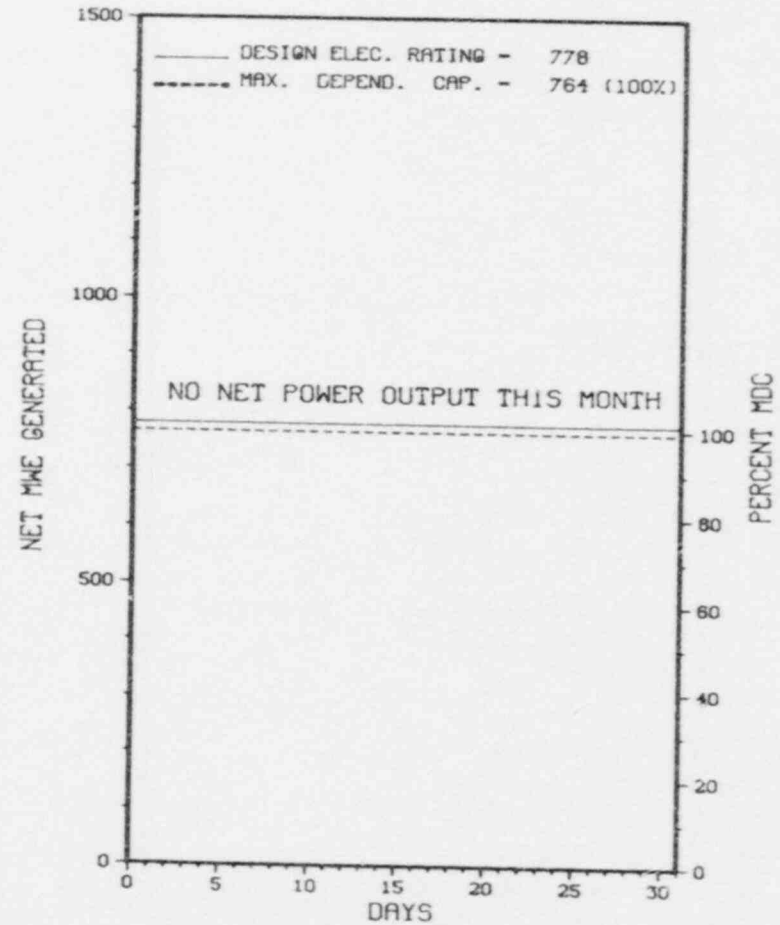
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/10/88

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	03/05/88	S	744.0	C	4				REACTOR SHUT DOWN FOR 1988 (EOC 11) REFUELING AND MAINTENANCE OUTAGE.

* SUMMARY *

COOPER STATION REMAINED SHUTDOWN FOR SCHEDULED 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-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)

* COOPER STATION *

FACILITY DATA

Report Period MAY 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.....W. BENNETT
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 MARCH 1 - APRIL 15, 1988 (88-07) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CONTAINMENT LOCAL LEAK RATE TEST, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, ESF WALKDOWN, OUTAGE, REFUELING, SHUTDOWN, RADIOLOGICAL PROTECTION, AND SECURITY. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED MARCH 14-18, 1988 (88-08) ROUTINE, UNANNOUNCED INSPECTION OF THE INSERVICE INSPECTION PROGRAM, ITS PROCEDURES, OBSERVATION OF ITS WORK ACTIVITIES AND ITS DATA EVALUATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 11-15, 1988 (88-11) ROUTINE, ANNOUNCED INSPECTION OF EMERGENCY PLAN AND EMERGENCY PLAN IMPLEMENTING PROCEDURES; EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES; AND ORGANIZATION AND MANAGEMENT CONTROL. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED APRIL 18-22, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION OF A PREVIOUSLY IDENTIFIED INSPECTION FINDING CONCERNING THE DEDICATION PROCESS FOR QUALIFYING NONESSENTIAL ITEMS FOR USE IN ESSENTIAL APPLICATIONS. WITHIN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

PHYSICAL PROTECTION OF SAFEGUARDS INFO.
(8800 5)

CONTRARY TO CRITERION X OF APP.B TO 10 CFR PART 50, QA SURVEILLANCES OF SAFETY-RELATED WELDING ACTIVITIES WERE NOT PERFORMED TO VERIFY BY DIRECT OBSERVATION THAT MODIFICATIONS SUCH AS DESIGN CHANGES 87-113 AND 87-063 WERE ACCOMPLISHED BY QUALIFIED PERSONNEL IN ACCORDANCE WITH QUALIFIED WELDING PROCEDURES. CONTRARY TO CRITERION V OF APP.B TO 10 CFR PART 50 AND CNS OPERATIONS MANUAL PROCEDURE 0.27, COMPONENTS AND/OR SYSTEMS HAVE BEEN DECLARED OPERABLE EVEN THROUGH NON-ESSENTIAL PARTS HAVE BEEN INSTALLED IN APPLICATIONS DESIGNATED AS ESSENTIAL FOR AS MUCH AS 5 1/2 MONTHS PRIOR TO THEIR RECEIVING AN ENGINEERING EVALUATION.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

CYCLE 12 REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: APRIL 22, 1988

INSPECTION REPORT NO: 50-298/88-13

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>98,351.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,376.0</u>	<u>62,702.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,310.6</u>	<u>61,326.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,887,180</u>	<u>8,070,015</u>	<u>137,817,203</u>
18. Gross Elec Ener (MWH)	<u>647,574</u>	<u>2,778,510</u>	<u>47,152,625</u>
19. Net Elec Ener (MWH)	<u>617,750</u>	<u>2,645,780</u>	<u>44,779,362</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.8</u>	<u>62.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.8</u>	<u>62.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.1</u>	<u>88.4</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>100.6</u>	<u>87.9</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.8</u>	<u>22.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>93.9</u>	<u>17,728.9</u>

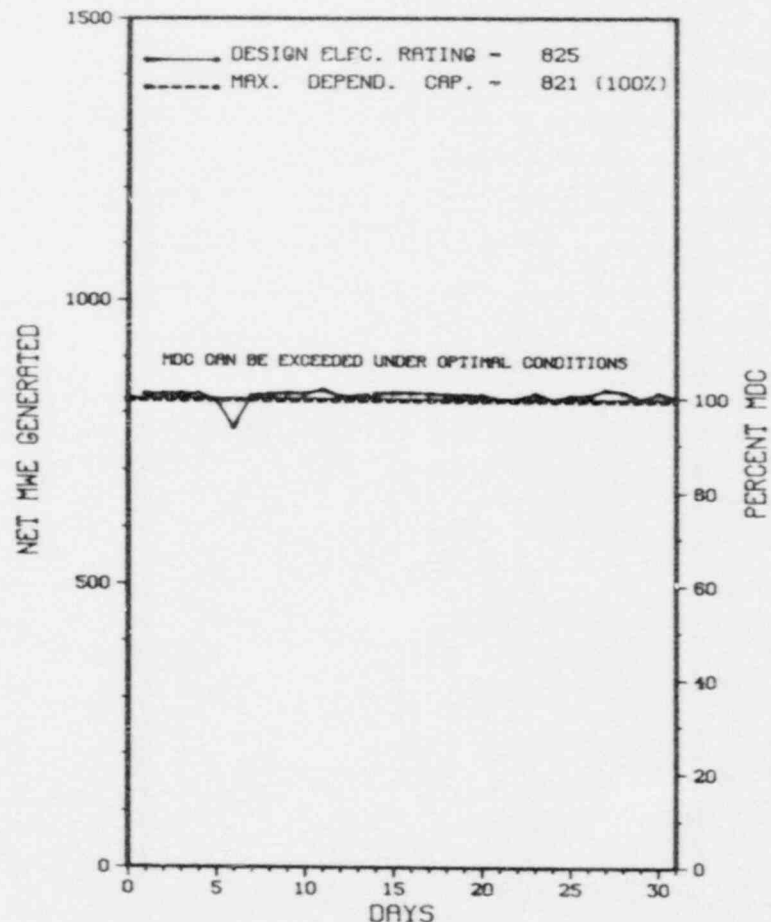
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* CRYSTAL RIVER 3 *

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

 * SUMMARY *

CRYSTAL RIVER 3 OPERATED ROUTINELY IN MAY 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)

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER.....H. SILVER
DOCKET NUMBER.....50-302
LICENSE & DATE ISSUANCE...DPR-72, JANUARY 28, 1977
PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32629

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 12 - MARCH 11 (88-06): THIS ROUTINE INSPECTION WAS CONDUCTED BY THREE RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, FACILITY MODIFICATIONS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 7-11 (88-07): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF 'ID AND GASEOUS RADWASTE SYSTEMS, EFFLUENT MONITORING SYSTEMS, AND ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 8-11 (88-08): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF LICENSE ACTIONS ASSOCIATED WITH LER 88-006 (REACTOR TRIP DUE TO FAILURE OF FEEDWATER BLOCK VALVE FWV-29). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 21-25 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF REVIEW OF POST-REFUELING STARTUP TESTING, REACTOR COOLANT SYSTEM LEAKAGE DETERMINATION, REVIEW OF LOCAL LEAK RATE TESTING, AND VERIFICATION OF CONTAINMENT INTEGRITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

: NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: DECEMBER 16 - FEBRUARY 11, 1988 +

INSPECTION REPORT NO: 50-302/88-01 +

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
88-007	01/27/88	04/06/88	UNKNOWN CAUSE RESULTS IN REACTOR BUILDING SPRAY PUMP OPERATING BELOW ITS DESIGN FLOW
88-008	01/04/88	04/14/88	UNKNOWN CAUSE OF INSTRUMENT DRIFT LEADS TO LOSS OF REQUIRED SAFETY FUNCTION
88-009	03/03/88	04/14/88	VIOLATION OF APP. RIII.0 DUE TO INSUFFICIENT RESERVE VOL IN RC PUMP LUBE OIL COLL. SYSTEM CAUSED BY LACK OF AWARENESS
88-010	03/25/88	04/25/88	RELEASE MONITOR TRIP SETPOINT ABOVE T.S. LIMIT DUE TO INADEQUATE PROCEDURE

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1. Docket: 50-346 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 904

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>86,232.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,661.3</u>	<u>45,143.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,050.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,580.0</u>	<u>43,380.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWh)	<u>0</u>	<u>3,306,442</u>	<u>101,268,640</u>
18. Gross Elec Ener (MWh)	<u>0</u>	<u>1,072,485</u>	<u>33,448,288</u>
19. Net Elec Ener (MWh)	<u>0</u>	<u>998,787</u>	<u>31,299,434</u>
20. Unit Service Factor	<u>.0</u>	<u>43.3</u>	<u>50.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>43.3</u>	<u>52.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>31.8</u>	<u>42.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>30.2</u>	<u>40.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>32.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>21,470.0</u>

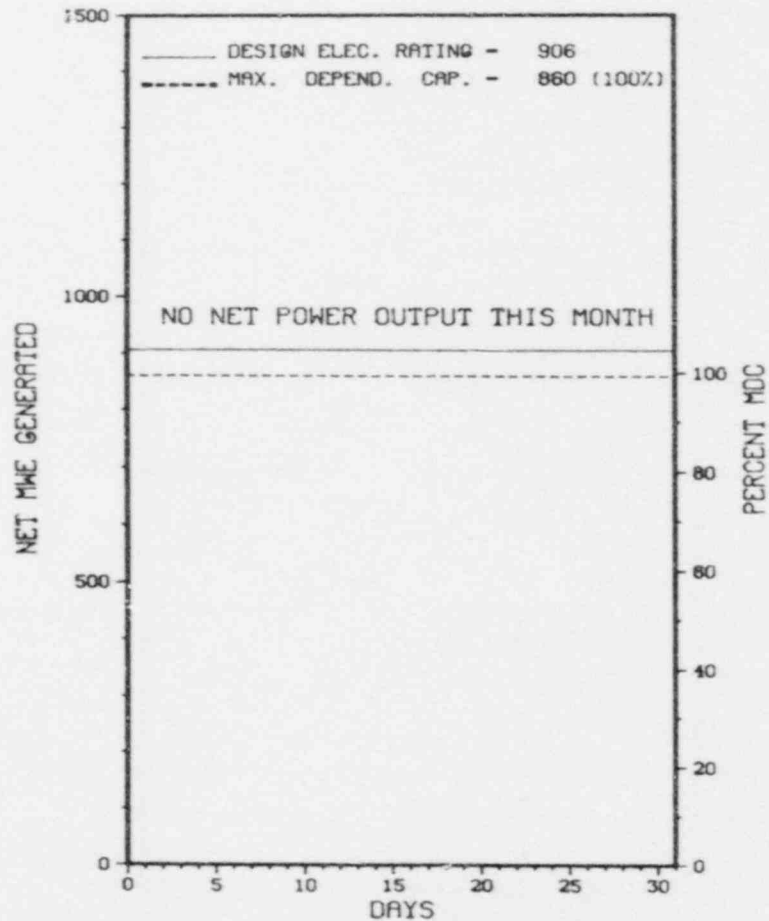
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 09/12/88

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	05/10/88	S	744.0	C	4				THE UNIT OUTAGE WHICH BEGAN ON MARCH 10, 1988 WAS STILL IN PROGRESS THROUGH THE END OF MAY, 1988.

* SUMMARY *

DAVIS-BESSE 1 REMAINED SHUTDOWN IN MAY 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)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period MAY 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 APRIL 12-14 (88013): SPECIAL, UNANNOUNCED SAFETY INSPECTION WITH REGARD TO A SERIES OF ALLEGATIONS RELATED TO THE OPERATION OF THE DAVIS-BESSE FACILITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 11-29 (88011): 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 2515/64R1 AND TI 2515/91. (25564) (25591) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS AND BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. INSTRUCTIONS/PROCEDURES OR DRAWINGS SHALL INCLUDE APPROPRIATE ACCEPTANCE CRITERIA FOR DETERMINING THAT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. CONTRARY TO THE ABOVE, A REVIEW OF FCR 78-024 PERTAINING TO THE INSTALLATION OF CONTAINMENT SPRAY PUMP OIL SIGHTGLASS ASSEMBLIES REVEALED THE FOLLOWING: (A) NO DESIGN DRAWINGS OR DETAILED DRAWINGS WERE USED DURING THE INSTALLATION OF THE ASSEMBLIES. (B) NO INSTRUCTIONS/PROCEDURES WERE FOUND FOR INSTALLATION AND INSPECTION. (C) NO DESIGN CRITERIA/INSTRUCTIONS WERE UTILIZED IN THE SEISMIC QUALIFICATION EVALUATION.

Report Period MAY 1988

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

* DAVIS-BESSE 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-09	040488	050488	INCORRECT TERMINATION OF A CONTINUOUS FIRE WATCH
88-10	040688	050688	MISSED FIRE WATCH DUE TO UNIDENTIFIED INOPERABLE FIRE DETECTION
88-11	040888	052788	INCORRECT TERMINATION OF A CONTINUOUS FIRE WATCH FOLLOWING MAINTENANCE

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1. Docket: 50-275 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3338

5. Nameplate Rating (Gross MWe): 1137

6. Design Electrical Rating (Net MWe): 1086

7. Maximum Dependable Capacity (Gross MWe): 1124

8. Maximum Dependable Capacity (Net MWe): 1073

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>26,901.3</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,531.6</u>	<u>21,270.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,523.3</u>	<u>20,831.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,020,604</u>	<u>62,985,067</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,355,000</u>	<u>21,205,832</u>
19. Net Elec Ener (MWH)	<u>-2,117</u>	<u>1,268,839</u>	<u>20,080,541</u>
20. Unit Service Factor	<u>.0</u>	<u>41.8</u>	<u>77.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.8</u>	<u>77.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>32.4</u>	<u>69.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>32.0</u>	<u>68.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>59.9</u>	<u>840.6</u>

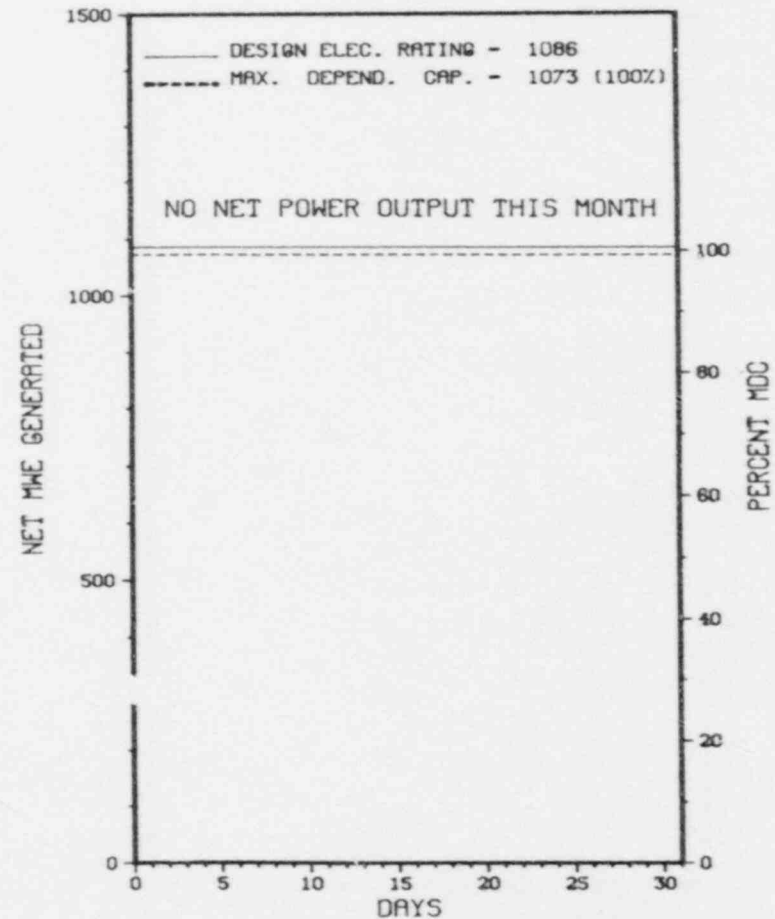
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/27/88

* DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/06/88	S	744.0	C	4				SCHEDULED REFUELING OUTAGE.

* SUMMARY *

DIABLO CANYON 1 REMAINED SHUTDOWN IN MAY 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)

* DIABLO CANYON 1 *

FACILITY DATA

Report Period MAY 1988

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 STLAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PACIFIC GAS & ELECTRIC
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. BURDOIN
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 MARCH 6 - APRIL 9, 1988 (REPORT NO. 50-275/88-07) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ON-SITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED THREE VIOLATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 4 - 8, 1988 (REPORT NO. 50-275/88-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 4 - 8, 1988 (REPORT NO. 50-275/88-09) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES; EXTERNAL AND INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; ALARA; REVIEW OF LICENSEE IDENTIFIED PROBLEMS; AND FACILITY TOURS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED; THE LICENSEE'S PROGRAM APPEARED ADEQUATE TO ACCOMPLISH THEIR SAFETY OBJECTIVES. ONE VIOLATION, INVOLVING FAILURE TO PREVENT A RECURRENCE OF A LICENSEE IDENTIFIED PROBLEM RELATED TO CONTROL OF VERY HIGH RADIATION AREAS PURSUANT TO TECHNICAL SPECIFICATION 6.12.2, WAS IDENTIFIED. ONE WEAKNESS WAS EXHIBITED IN THE AREA OF ALARA.

+ INSPECTION ON MARCH 28 - APRIL 1, 1988 (REPORT NO. 50-275/88-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR INVOLVING FOLLOWUP ON PREVIOUS NRC AND LICENSEE IDENTIFIED OPEN ITEMS. DURING THIS INSPECTION, VARIOUS

INSPECTION SUMMARY

INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 10 - MAY 14, 1988 (REPORT NO. 50-275/88-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 18 - 22, 1988 (REPORT NO. 50-275/88-12) AREAS INSPECTED: UNANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS PROGRAM AND FOLLOW-UP ON OPEN ITEMS. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 9 - 13, 1988 (REPORT NO. 50-275/88-13) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT, LICENSED OPERATOR TRAINING, SPURIOUS CVIS, AND FOLLOW-UP OF OPEN ITEMS AND BULLETINS/GENERIC LETTERS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSED OPERATOR TRAINING PROGRAM WAS WELL PLANNED, DOCUMENTED AND ACCEPTABLY IMPLEMENTED. THE LICENSEE'S SHORT TERM AND LONG TERM PROGRAMS TO CORRECT SPURIOUS CONTAINMENT VENTILATION ISOLATIONS WERE ADEQUATE.

+ MANAGEMENT MEETING ON APRIL 26, 1988 (REPORT NO. 50-275/88-14) A MANAGEMENT MEETING ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE DIABLO CANYON UNIT 1 NUCLEAR GENERATION STATION.

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 A REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 04/10 - 05/14/88+

INSPECTION REPORT NO: 50-275/88-11+

Report Period MAY 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)

* D I A B L O C A N Y O N 1 *

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-08-LO	02-10-88	04-26-88	VIOLATION OF TECH SPEC 6.12 - PERSONNEL ERROR.
88-10-LO	04-16-88	05-06-88	CONTAINMENT VENTILATION ISOLATIONS DUE TO ELECTRONIC NOISE.

=====

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1. Docket: 50-323 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

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:
NONE

10. 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>3,647.0</u>	<u>19,460.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,580.2</u>	<u>16,096.0</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>3,579.6</u>	<u>16,064.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,530,899</u>	<u>12,003,440</u>	<u>51,265,427</u>
18. Gross Elec Ener (MWH)	<u>846,300</u>	<u>4,005,500</u>	<u>16,993,199</u>
19. Net Elec Ener (MWH)	<u>806,210</u>	<u>3,811,247</u>	<u>16,074,639</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.2</u>	<u>82.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.2</u>	<u>82.6</u>
22. Unit Cap Factor (MDC Net)	<u>99.7</u>	<u>96.1</u>	<u>76.0</u>
23. Unit Cap Factor (DER Net)	<u>96.8</u>	<u>93.4</u>	<u>73.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>8.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>67.4</u>	<u>1,572.8</u>

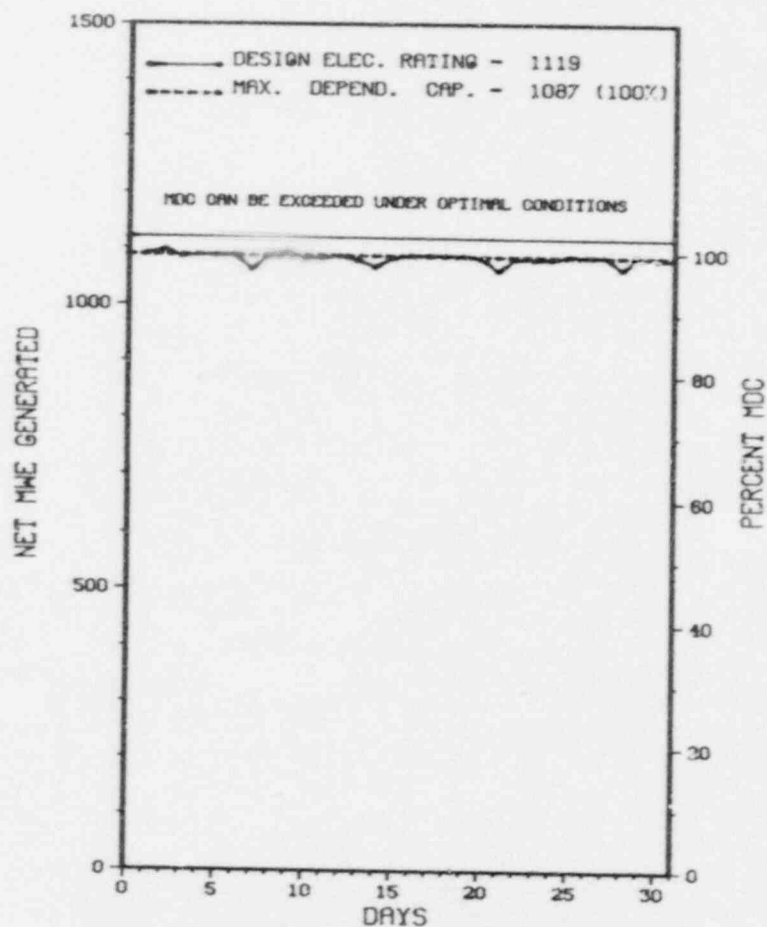
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - SEPT. 15, 1988 - 70 DAY DURATION.

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

* DIABLO CANYON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 2



MAY 1988

Report Period MAY 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 MAY 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)

* DIABLO CANYON 2 *

FACILITY DATA

Report Period MAY 1988

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, 1986
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.....J. BURDOIN
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 MARCH 6 - APRIL 9, 1988 (REPORT NO. 50-323/88-07) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ON-SITE 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 APRIL 4 - 8, 1988 (REPORT NO. 50-323/88-08) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES; EXTERNAL AND INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING; ALARA; REVIEW OF LICENSEE IDENTIFIED PROBLEMS; AND FACILITY TOURS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 28 - APRIL 1, 1988 (REPORT NO. 50-323/88-09) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR INVOLVING FOLLOWUP ON PREVIOUS NRC AND LICENSEE IDENTIFIED OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON APRIL 10 - MAY 14, 1988 (REPORT NO. 50-323/88-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 18 - 22, 1988 (REPORT NO. 50-323/88-11) AREAS INSPECTED: UNANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS PROGRAM AND FOLLOW-UP ON OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 9 - 13, 1988 (REPORT NO. 50-323/88-12) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT, LICENSED OPERATOR TRAINING, SPURIOUS CVIS, AND FOLLOW-UP OF OPEN ITEMS AND BULLETINS/GENERIC LETTERS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSED OPERATOR TRAINING PROGRAM WAS PLANNED, DOCUMENTED AND ACCEPTABLY IMPLEMENTED. THE LICENSEE'S SHORT TERM AND LONG TERM PROGRAMS TO CORRECT SPURIOUS CONTAINMENT VENTILATION ISOLATIONS WERE ADEQUATE.

+ MANAGEMENT MEETING ON APRIL 26, 1988 (REPORT NO. 50-323/88-13) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE DIABLO CANYON UNIT 2 NUCLEAR GENERATING STATION.

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 100% POWER.

LAST IE SITE INSPECTION DATE: 04/10 - 05/14/88+

INSPECTION REPORT NO: 50-323/88-10+

Report Period MAY 1988

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

* DIABLO CANYON 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-23-LG	10-09-87	04-22-88	ACCUMULATOR NOZZLE CRACKING DUE TO INTERGRANULAR STRESS CORROSION
88-02-L0	03-03-88	03-28-88	RX TRIP DETECTED
88-03-L0	03-04-88	04-01-88	CVI & FHB VENT MODE CHG POWER SUPPLY TRANSIENT-PERSONNEL ERROR
88-04-L0	03-05-88	04-01-88	CVI DUE TO 'P' SUPPLY TRANSIENT-FAILURE TRAIN 'A' VALVES TO CLOSE INSTALLATION ERROR
88-05-L0	04-05-88	05-04-88	CVI INITIATION DUE TO ELECTRONIC NOISE CAUSED BY MECHANICAL WEAR ON CHECK SOURCE LATCH

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

2. Reporting Period: 05/01/88 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): 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

 X D R E S D E N 2 X

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

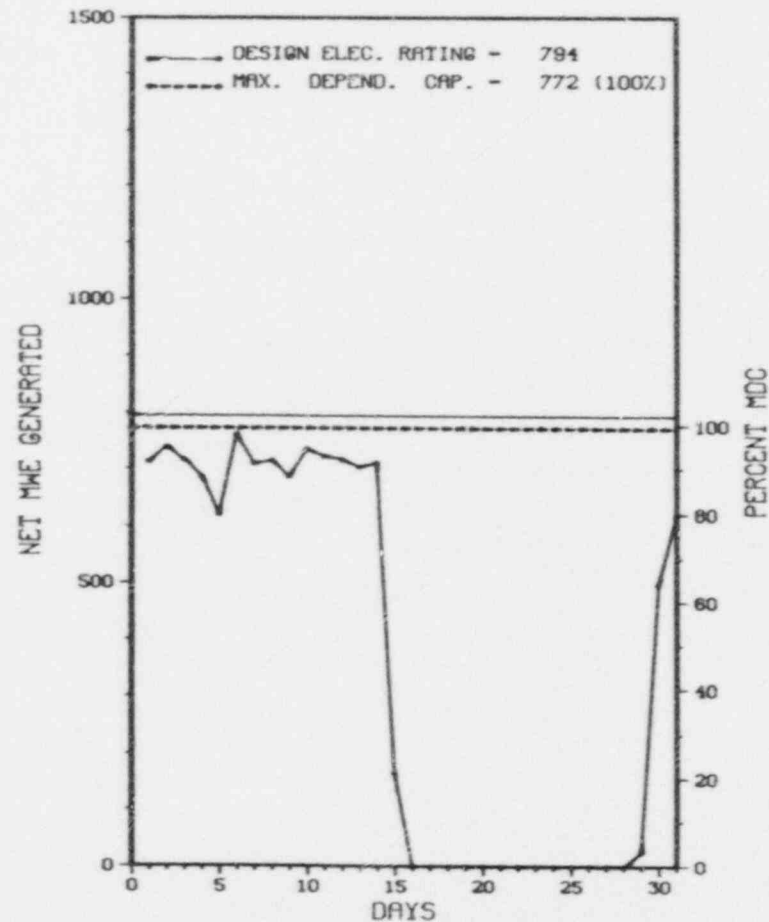
DRESDEN 2

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>158,231.0</u>
13. Hours Reactor Critical	<u>443.3</u>	<u>3,346.3</u>	<u>119,918.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>401.7</u>	<u>3,304.7</u>	<u>114,398.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>873,861</u>	<u>7,435,397</u>	<u>235,454,220</u>
18. Gross Elec Ener (MWH)	<u>280,197</u>	<u>2,378,033</u>	<u>75,318,003</u>
19. Net Elec Ener (MWH)	<u>264,209</u>	<u>2,266,959</u>	<u>71,203,137</u>
20. Unit Service Factor	<u>54.0</u>	<u>90.6</u>	<u>72.3</u>
21. Unit Avail Factor	<u>54.0</u>	<u>90.6</u>	<u>72.3</u>
22. Unit Cap Factor (MDC Net)	<u>46.0</u>	<u>80.5</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>44.7</u>	<u>78.3</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>1.7</u>	<u>.2</u>	<u>11.4</u>
25. Forced Outage Hours	<u>7.1</u>	<u>7.1</u>	<u>7,164.1</u>

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

REFUELING - SEPTEMBER 1988, 18 WEEK DURATION.

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



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	05/15/88	S	335.2	B	1				TURBINE AND REACTOR OFF-SYSTEM MANUALLY FOR THE DUAL UNIT OUTAGE 125VDC BATTERY TEST AND TO PERFORM TESTING OF THE MSIVS.
5	05/29/88	F	7.1	A	9				TURBINE TRIPPED BECAUSE OF 2C MOISTURE SEPARATOR TANK HI-HI LEVEL. RX REMAINED CRITICAL.

 * SUMMARY *

 DRESDEN 2 INCURRED TWO OUTAGES DURING MAY 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)

* DRESDEN 2 *

FACILITY DATA

Report Period MAY 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.....B. SIEGEL
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING THE PERIOD OF MARCH 18 THROUGH MAY 9 (88006; 88007): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; FOLLOWUP OF EVENTS; LICENSEE EVENT REPORTS FOLLOWUP; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATIONS; REFUELING ACTIVITIES; VERIFICATION OF TEMPORARY INSTRUCTIONS; SALP MEETINGS; MEETING WITH LOCAL PUBLIC OFFICIALS; MANAGEMENT MEETING; AND REPORT REVIEW. OF THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE AREA OF MAINTENANCE OBSERVATION (INADEQUATE RIGGING PROCEDURE); ONE VIOLATION WAS IDENTIFIED IN THE AREAS OF SURVEILLANCE OBSERVATION (FAILURE TO FOLLOW HPCI 1ST SURVEILLANCE PROCEDURE). ADDITIONALLY, ONE VIOLATION WAS ALSO IDENTIFIED IN THE AREA OF LICENSEE EVENT REPORTS; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED (FAILURE TO HAVE REQUIRED NUMBER OF INSTRUMENT CHANNELS OPERABLE PER TRIP SYSTEM).

INSPECTION ON APRIL 4-8 (88003; 88007; 88008): INCLUDED A REVIEW OF SECURITY PLAN/IMPLEMENTATION PROCEDURES; SECURITY PROGRAM AUDITS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ALARM STATIONS; COMMUNICATIONS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING FAILURE TO ASSURE POSITIVE ACCESS CONTROL.

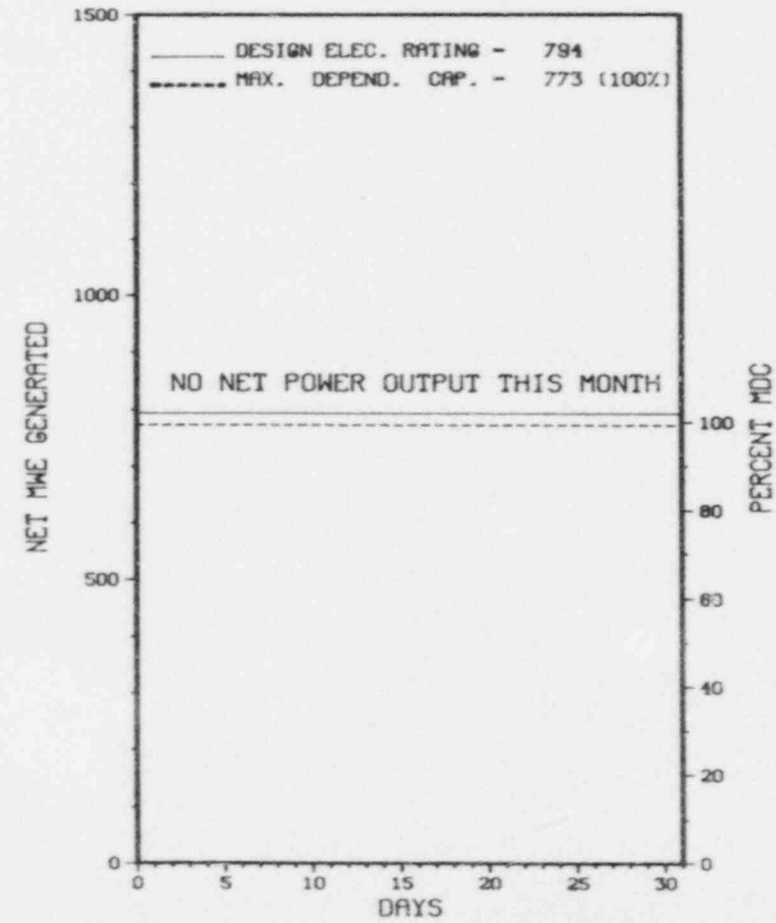
INSPECTION ON APRIL 20-22 AND 27-29 (88009; 88011): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM DURING OUTAGE, INCLUDING PLANNING AND PREPARATION (IP 83729), EXTERNAL EXPOSURE CONTROLS (IP 83724; 83729), CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729), PERSONAL CONTAMINATION EVENTS (IP 83729), AND ALARA (IP 83728; 83729). ALSO REVIEWED WERE

1. Docket: 50-249 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 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):
NONE
11. Reasons for Restrictions, If Any:
NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|---------------|------------------|--------------------|
| 12. Report Period Hrs | <u>744.0</u> | <u>3,647.0</u> | <u>147,816.0</u> |
| 13. Hours Reactor Critical | <u>.0</u> | <u>2,066.4</u> | <u>105,474.8</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 15. Hrs Generator On-Line | <u>.0</u> | <u>2,066.0</u> | <u>100,913.6</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>0</u> | <u>4,792,721</u> | <u>296,168,243</u> |
| 18. Gross Elec Ener (MWH) | <u>0</u> | <u>1,557,623</u> | <u>66,588,865</u> |
| 19. Net Elec Ener (MWH) | <u>-5,077</u> | <u>1,481,866</u> | <u>63,059,686</u> |
| 20. Unit Service Factor | <u>.0</u> | <u>56.6</u> | <u>68.3</u> |
| 21. Unit Avail Factor | <u>.0</u> | <u>56.6</u> | <u>68.3</u> |
| 22. Unit Cap Factor (MDC Net) | <u>.0</u> | <u>52.6</u> | <u>55.2</u> |
| 23. Unit Cap Factor (DER Net) | <u>.0</u> | <u>51.2</u> | <u>53.7</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>.0</u> | <u>12.6</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):
NONE
27. If Currently Shutdown Estimated Startup Date: 06/25/88

 * DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	03/27/88	S	744.0	C	4			IN TENTH REFUELING OUTAGE.

***** DRESDEN III REMAINED SHUTDOWN IN MAY 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)

* DRESDEN 3 *

FACILITY DATA

Report Period MAY 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.....S. DUPONT
LICENSING PROJ MANAGER.....B. SIEGEL
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 MARCH 18 THROUGH MAY 9 (88006; 88007): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; FOLLOWUP OF EVENTS; LICENSEE EVENT REPORTS FOLLOWUP; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATIONS; REFUELING ACTIVITIES; VERIFICATION OF TEMPORARY INSTRUCTIONS; SALP MEETINGS; MEETING WITH LOCAL PUBLIC OFFICIALS; MANAGEMENT MEETING; AND REPORT REVIEW. OF THE 12 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE AREA OF MAINTENANCE OBSERVATION (INADEQUATE RIGGING PROCEDURE); ONE VIOLATION WAS IDENTIFIED IN THE AREAS OF SURVEILLANCE OBSERVATION (FAILURE TO FOLLOW HPCI 1ST SURVEILLANCE PROCEDURE). ADDITIONALLY, ONE VIOLATION WAS ALSO IDENTIFIED IN THE AREA OF LICENSEE EVENT REPORTS; HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED (FAILURE TO HAVE REQUIRED NUMBER OF INSTRUMENT CHANNELS OPERABLE PER TRIP SYSTEM).

INSPECTION ON APRIL 4-8 (88003; 88007; 88008): INCLUDED A REVIEW OF SECURITY PLAN/IMPLEMENTATION PROCEDURES; SECURITY PROGRAM AUDITS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ALARM STATIONS; COMMUNICATIONS AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING FAILURE TO ASSURE POSITIVE ACCESS CONTROL.

INSPECTION ON APRIL 20-22 AND 27-29 (88009; 88011): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM DURING OUTAGE, INCLUDING PLANNING AND PREPARATION (IP 83729), EXTERNAL EXPOSURE CONTROLS (IP 83724; 83729), CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729), PERSONAL CONTAMINATION EVENTS (IP 83729), AND ALARA (IP 83728; 83729). ALSO REVIEWED WERE

INSPECTION SUMMARY

PAST OPEN ITEMS, SPENT FUEL POOL LEAKAGE, GENERIC LETTER 82-12, AND SELECTED LICENSEE EVENT REPORTS. CONTINUED IMPROVEMENT IN THE LICENSEE'S RADIOLOGICAL CONTROLS PROGRAM, PARTICULARLY 4 CONTAMINATION CONTROLS AND ALARA PLANNING, WAS NOTED. 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 SHUTDOWN 3/26/88 FOR REFUELING OUTAGE. (EXPECTED TO LAST UNTIL END OF JUNE)

LAST IE SITE INSPECTION DATE: 04/29/88

INSPECTION REPORT NO: 88011

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
-----
88-07     041388     050688     STANDBY LIQUID CONTROL RELIEF VALVES FAIL TO OPEN DUE TO SOLIDI FICATION OF SODIUM PENTABORATE
SOLUTION
88-10     042488     051388     MAIN STEAM SAFETY VALVE 3-203-4D SETPGINT FOUND OUTSIDE TECHNICAL SPECIFICATION LIMITS DUE TO
SETPOINT DRIFT
88-11     041288     051088     GROUP II PRIMARY CONTAINMENT ISOLATION DUE TO PROCEDURAL INADEQUACY
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1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 555

8. Maximum Dependable Capacity (Net MWe): 565

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEM 687 WILL VARY TO REFLECT SEASONAL CHANGES.

10. 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>3,647.0</u>	<u>116,855.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>83,960.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>172.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,647.0</u>	<u>81,902.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,199,959</u>	<u>5,831,708</u>	<u>105,918,989</u>
18. Gross Elec Ener (MWH)	<u>404,808</u>	<u>2,606,428</u>	<u>35,566,256</u>
19. Net Elec Ener (MWH)	<u>381,683</u>	<u>1,877,579</u>	<u>33,320,907</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>90.8</u>	<u>97.6</u>	<u>50.5</u>
23. Unit Cap Factor (DER Net)	<u>95.4</u>	<u>95.7</u>	<u>53.0</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>13,917.7</u>

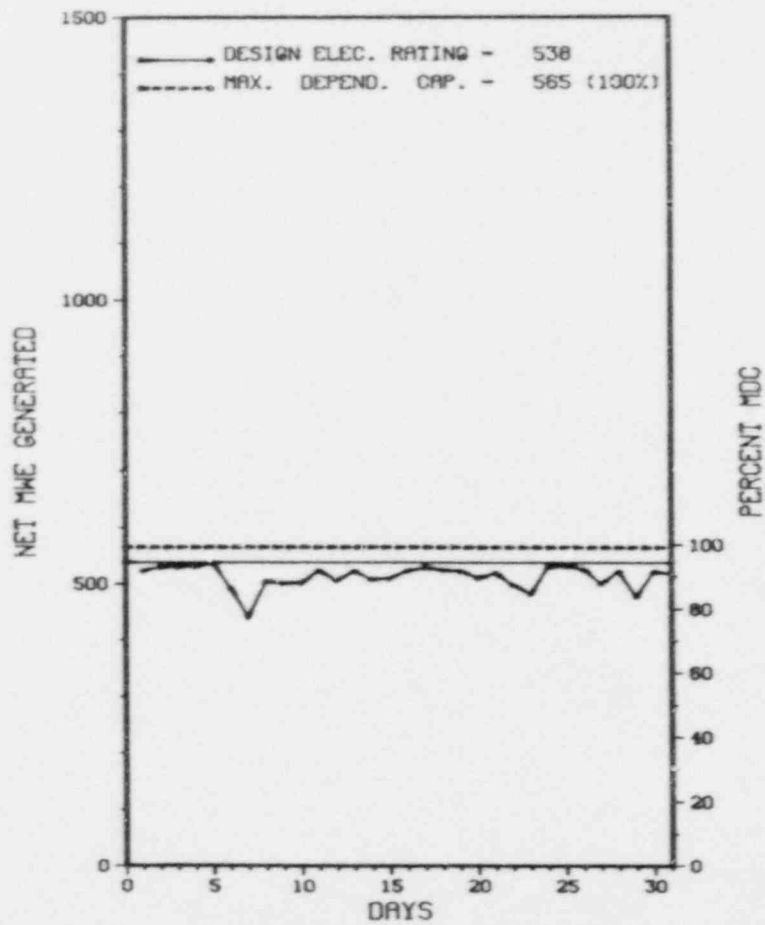
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUEL - SEPTEMBER 29, 1988, 2 MONTH DURATION.

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

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X --DUANE ARNOLD X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

XXXXXXXXXX
 * SUMMARY *
 XXXXXXXXXXXX

DUANE ARNOLD OPERATED ROUTINELY IN MAY WITH NO OUTAGES OR
 SIGNIFICANT POWER REDUCTIONS.

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)

* DUANE ARNOLD *

FACILITY DATA

Report Period MAY 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.....M. PARKER
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 NOVEMBER 16-20 AND APRIL 18-21 (87032): SPECIAL SAFETY INSPECTION OF THE LICENSEE'S ACTIVITIES WITH RESPECT TO IE BULLETIN NO. 85-03, "MOTOR OPERATED VALVE (MOV) COMMON MODE FAILURE DURING PLANT TRANSIENTS DUE TO IMPROPER SWITCH SETTINGS," AND OF PREVIOUS IDENTIFIED ITEMS OF NONCOMPLIANCE, OPEN, AND UNRESOLVED ITEMS (25573, 92701, 92702). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 1 THROUGH APRIL 15 (88006): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, RADIOLOGICAL PROTECTION, NRC TEMPORARY INSTRUCTIONS, AND MANAGEMENT MEETINGS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX 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 NOTIFY THE NRC WITHIN FOUR HOURS PER 10 CFR 50.72(B)(2)). THE VIOLATION WAS OF MORE THAN MINOR SAFETY SIGNIFICANCE AND INVOLVED THE PHYSICAL INOPERABILITY OF PLANT EQUIPMENT, BUT DID NOT AFFECT THE PUBLIC'S HEALTH AND SAFETY.

INSPECTION ON APRIL 4-8 (88007): UNANNOUNCED INSPECTION OF RADIATION PROTECTION AND RADWASTE ACTIVITIES DURING NORMAL OPERATIONS INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); AUDITS (IP 83722) TRAINING AND QUALIFICATIONS (IP 83723); EXPOSURE CONTROLS (IP 83724) (IP 83725); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING (IP 83726); MAINTAINING EXPOSURES ALARA (IP 83728); EFFLUENT RELEASES (IP 84723, 84724); EFFLUENT; CONTROL INSTRUMENTATION (IP 84723, 84724); REACTOR COOLANT CHEMISTRY AND ACTIVITY (IP 84723); HEPA FILTER AND CHARCOAL ADSORBER SYSTEMS (IP 84724); TRANSPORTATION OF RADIOACTIVE MATERIAL (IP 86721); SPENT FUEL POOL LEAKAGE (IP 92705); AND STATUS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. CONTINUED STRENGTHENING OF PROCEDURES AND DOCUMENTATION WERE EVIDENT. POTENTIAL WEAKNESSES IN STAFFING AND STAFF

Report Period MAY 1988

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

* DUANE ARNOLD *

INSPECTION SUMMARY

STABILITY HAVE BEEN CORRECTED. STATION INTERNAL AND EXTERNAL DOSES AND RADIOLOGICAL EFFLUENTS REMAIN VERY LOW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTIONS ON APRIL 21 AND MAY 10 (88010): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S EFFORTS IN RESPONDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S (FEMA) CONCERN ABOUT THE ADEQUACY OF OFFSITE EMERGENCY PLANNING FOR LINN AND BENTON COUNTY, IOWA AND THE STATE OF IOWA, RELATED TO THE EXPANDED EMERGENCY PLANNING ZONE (EPZ) AROUND THE DUANE ARNOLD ENERGY CENTER (IP 92701). THE INSPECTION INVOLVED ONE NRC INSPECTOR. THE INSPECTIONS CONFIRMED THAT THE LICENSEE IS ACTIVELY PURSUING SOLUTIONS TO THE INADEQUACIES IDENTIFIED BY FEMA VII IN THE LINN AND BENTON COUNTY PLANS AND THE STATE OF IOWA PLAN AND FULLY INTENDS TO MEET ALL DEADLINES ESTABLISHED BY FEMA VII FOR CORRECTING THESE INADEQUACIES.

ENFORCEMENT SUMMARY

NONE

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: 05/10/88

INSPECTION REPORT NO: 88010

Report Period MAY 1988

REPORTS FROM LICENSEE

* DUANE ARNOLD *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-02	041188	050688	HIGH PRESSURE COOLANT INJECTION INOPERABILITY DUE TO SENSING LINE BLOCKAGE OF THE AUXILIARY OIL PUMP PRESSURE SWITCH
88-03	042388	050488	HALF GROUP III ISOLATION AND STANDBY GAS INITIATION DUE TO DOWNSCALE TRIP OF RAD MONITOR

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1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

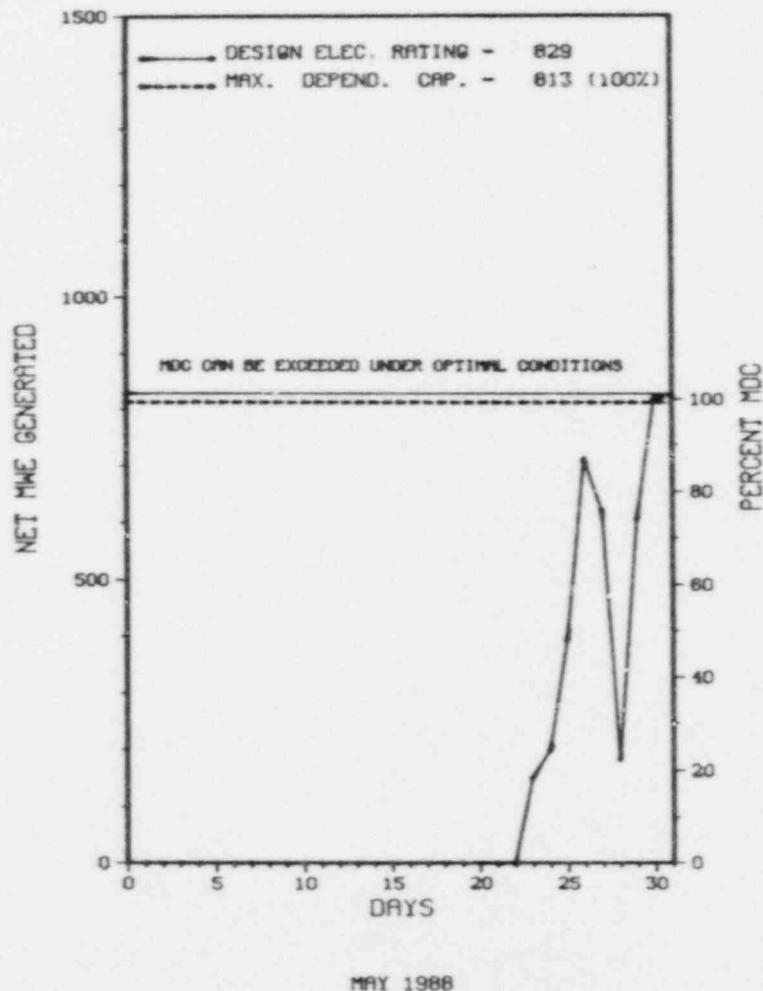
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>92,039.0</u>
13. Hours Reactor Critical	<u>279.3</u>	<u>2,320.1</u>	<u>67,536.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>237.0</u>	<u>2,277.1</u>	<u>66,102.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>388,449</u>	<u>5,788,940</u>	<u>168,212,257</u>
18. Gross Elec Ener (MWH)	<u>119,320</u>	<u>1,882,552</u>	<u>53,948,888</u>
19. Net Elec Ener (MWH)	<u>97,758</u>	<u>1,771,188</u>	<u>50,940,384</u>
20. Unit Service Factor	<u>31.9</u>	<u>62.4</u>	<u>71.8</u>
21. Unit Avail Factor	<u>31.9</u>	<u>62.4</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>16.2</u>	<u>59.7</u>	<u>68.7*</u>
23. Unit Cap Factor (DER Net)	<u>15.8</u>	<u>58.6</u>	<u>66.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.4</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):
NONE

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * FARLEY 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
001	03/26/88	S	491.0	C	4			THE CYCLE 8-9 REFUELING OUTAGE CONTINUED FROM 3/26/88.
002	05/22/88	S	16.0	B	1			THE GENERATOR WAS TAKEN OFF-LINE FOR THE TURBINE OVERSPEED TRIP TEST.
003	05/27/88	S	0.0	B	5			POWER WAS REDUCED TO TRANSFER THE TURBINE VALVES FROM SINGLE TO SEQUENTIAL VALVE CONTROL.

XXXXXXXXXXXX FARLEY 1 COMPLETED REFUELING OUTAGE IN MAY. RETURNED TO POWER;
 * SUMMARY * SUBSEQUENTLY INCURRED 1 OUTAGE AND 1 POWER REDUCTION.
 XXXXXXXXXXXX

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		

* FARLEY 1 *

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

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 9, 1977
DATE ELEC ENER 1ST GENER...AUGUST 18, 1977
DATE COMMERCIAL OPERATE...DECEMBER 1, 1977
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLF.....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

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

INSPECTION SUMMARY

+ INSPECTION JANUARY 4-7 (88-01): THIS WAS A SPECIAL, ANNOUNCED INSPECTION CONDUCTED TO FOLLOWUP ON ALLEGATIONS RELATIVE TO THE LICENSEE'S FACILITY. TWENTY GENERAL ALLEGATION SUBJECT AREAS WERE IDENTIFIED TO THE LICENSEE. SOME SIXTY SPECIFIC ALLEGATIONS WERE INVESTIGATED AND ARE ADDRESSED IN THIS REPORT. NRC FOLLOWUP OF THESE ALLEGATIONS CONSISTED OF A REVIEW OF PERTINENT RECORDS, LOGS, AND REPORTS PERTAINING TO PLANT CHEMISTRY, RADIOCHEMISTRY, RADIOACTIVITY COUNTING ROOM/OPERATION, EFFLUENT MONITORING AND ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 11 - APRIL 10 (88-08): THIS ROUTINE ONSITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY SYSTEM INSPECTION, RADIOLOGICAL PROTECTION PROGRAM, PHYSICAL SECURITY PROGRAM AND REVIEW OF EMERGENCY OPERATING PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 21-24 (88-09): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION EXAMINED: SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROLS - VEHICLES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; AND PHYSICAL PROTECTION SAFEGUARDS INFORMATION. IN ADDITION, A REVIEW AND EVALUATION OF PERTINENT SECURITY DOCUMENTATION WAS CONDUCTED IN AN ATTEMPT TO SUBSTANTIATE SEVERAL ALLEGATIONS RELATING TO IMPROPRIETIES IN SECURITY FORCE OPERATIONS. THERE WAS ONE VIOLATION OF REGULATORY REQUIREMENT AND ONE LICENSEE IDENTIFIED VIOLATION NOTED DURING THE INSPECTION. FAILURE TO SECURE SAFEGUARDS INFORMATION WHEN UNATTENDED. FAILURE TO ENSURE AN AUTHORIZED INDIVIDUAL HAD A BADGE BEFORE GRANTING ACCESS TO A PROTECTED AREA. (LICENSEE IDENTIFIED VIOLATION)

1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 05/01/88 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:

NONE

10. 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>3,647.0</u>	<u>59,952.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>51,535.0</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>3,647.0</u>	<u>50,895.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,973,062</u>	<u>9,631,515</u>	<u>130,583,635</u>
18. Gross Elec Ener (MWH)	<u>651,190</u>	<u>3,197,908</u>	<u>42,401,002</u>
19. Net Elec Ener (MWH)	<u>621,010</u>	<u>3,049,580</u>	<u>40,201,318</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.9</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>101.6</u>	<u>81.5</u>
23. Unit Cap Factor (DER Net)	<u>100.7</u>	<u>100.9</u>	<u>80.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>P</u>	<u>2,690.4</u>

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

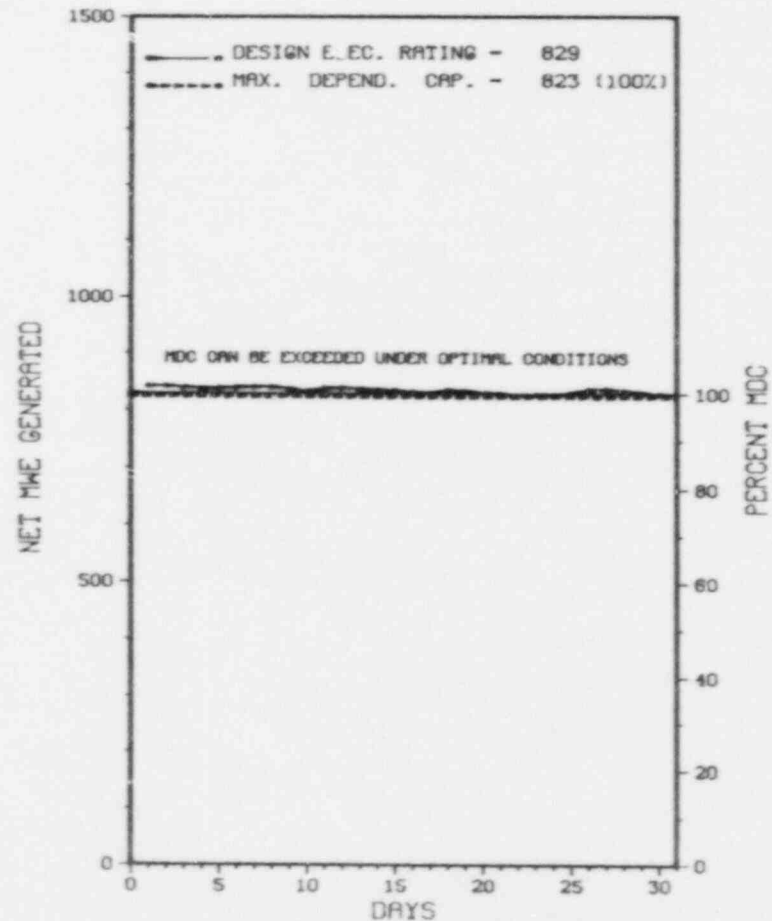
NONE

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

 * FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

NONE

* SUMMARY *

FARLEY 2 OPERATED ROUTINELY IN MAY 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 2 *

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

Report Period MAY 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. BRADFORD
LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-364
LICENSE & DATE ISSUANCE...NPF-8, MARCH 31, 1981
PUBLIC DOCUMENT ROOM.....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 JANUARY 4-7 (88-01): THIS WAS A SPECIAL, ANNOUNCED INSPECTION CONDUCTED TO FOLLOWUP ON ALLEGATIONS RELATIVE TO THE LICENSEE'S FACILITY. TWENTY GENERAL ALLEGATION SUBJECT AREAS WERE IDENTIFIED TO THE LICENSEE. SOME SIXTY SPECIFIC ALLEGATIONS WERE INVESTIGATED AND ARE ADDRESSED IN THIS REPORT. NRC FOLLOWUP OF THESE ALLEGATIONS CONSISTED OF A REVIEW OF PERTINENT RECORDS, LOGS, AND REPORTS PERTAINING TO PLANT CHEMISTRY, RADIOCHEMISTRY, RADIOACTIVITY COUNTING ROOM/OPERATION, EFFLUENT MONITORING AND ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 11 - APRIL 10 (88-08): THIS ROUTINE ONSITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY SYSTEM INSPECTION, RADIOLOGICAL PROTECTION PROGRAM, PHYSICAL SECURITY PROGRAM AND REVIEW OF EMERGENCY OPERATING PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 21-24 (88-09): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION EXAMINED: SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROLS - VEHICLES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; AND PHYSICAL PROTECTION SAFEGUARDS INFORMATION. IN ADDITION, A REVIEW AND EVALUATION OF PERTINENT SECURITY DOCUMENTATION WAS CONDUCTED IN AN ATTEMPT TO SUBSTANTIATE SEVERAL ALLEGATIONS RELATING TO IMPROPRIETIES IN SECURITY FORCE OPERATIONS. THERE WAS ONE VIOLATION OF REGULATORY REQUIREMENT AND ONE LICENSEE IDENTIFIED VIOLATION NOTED DURING THE INSPECTION. FAILURE TO SECURE SAFEGUARDS INFORMATION WHEN UNATTENDED. FAILURE TO ENSURE AN AUTHORIZED INDIVIDUAL HAD A BADGE BEFORE GRANTING ACCESS TO A PROTECTED AREA. (LICENSEE IDENTIFIED VIOLATION)

1. Docket: 50-341 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>3,109.0</u>	<u>3,109.0</u>
13. Hours Reactor Critical	<u>527.2</u>	<u>1,357.9</u>	<u>1,357.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>430.0</u>	<u>1,260.3</u>	<u>1,260.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>865,896</u>	<u>2,932,772</u>	<u>2,932,772</u>
18. Gross Elec Ener (MWH)	<u>258,361</u>	<u>929,206</u>	<u>929,206</u>
19. Net Elec Ener (MWH)	<u>238,154</u>	<u>877,755</u>	<u>877,755</u>
20. Unit Service Factor	<u>57.8</u>	<u>40.5</u>	<u>40.5</u>
21. Unit Avail Factor	<u>57.8</u>	<u>40.5</u>	<u>40.5</u>
22. Unit Cap Factor (MDC Net)	<u>29.3</u>	<u>25.8</u>	<u>25.8</u>
23. Unit Cap Factor (DER Net)	<u>29.3</u>	<u>25.8</u>	<u>25.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.4</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>71.7</u>	<u>71.7</u>

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

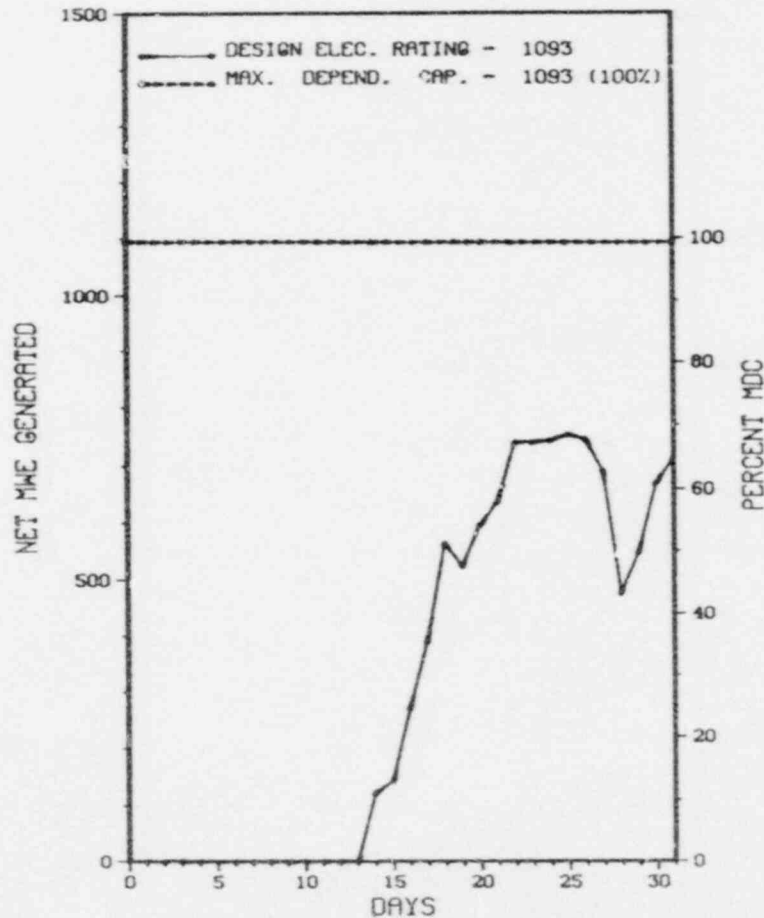
NONE

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

 * FERMI 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FERMI 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * FERM I 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-01	02/27/88	S	314.0	B	4				FERMI 2 IS IN A LLRT OUTAGE.
88-02	05/28/88	S	0.0	A	5	88-023	CE	XXXX	REACTOR POWER WAS REDUCED DURING THE ISOLATION OF REACTOR WATER CLEANUP (RWCU) FOR A SURVEILLANCE TEST. THE POWER REDUCTION WAS NECESSARY TO MAINTAIN REACTOR COOLANT SULFATE LEVELS BELOW EPRI GUIDELINES. POWER WAS INCREASED UPON RESTORATION OF RWCU.

 * SUMMARY *

 FERM I 2 ENTERED MONTH SHUTDOWN IN SCHEDULED LLRT OUTAGE.
 RETURNED TO POWER; SUBSEQUENTLY INCURRED 1 POWER REDUCTION.

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

* FERM I 2 *

FACILITY DATA

Report Period MAY 1988

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 OPERATE...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...N, F-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 APRIL 27-29 (88015): ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE ACTIVITIES CONDUCTED AT THE END OF THE PLANNED LLRT OUTAGE. SELECTED PORTIONS OF INSPECTION PROCEDURES 62700 AND 62702 WERE UTILIZED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ACCOMPLISHMENT AND EFFECTIVENESS OF MAINTENANCE HAD IMPROVED BUT CONTINUED MANAGEMENT INVOLVEMENT AND SUPPORT ARE NEEDED TO REACH AND MAINTAIN AN ACCEPTABLE LEVEL OF EFFECTIVENESS. MAINTENANCE WORK DURING THE LLRT OUTAGE GREATLY REDUCED THE BACKLOG OF BOTH CORRECTIVE AND PREVENTIVE MAINTENANCE. A SUBSTANTIAL NUMBER OF PMS WERE COMPLETED DURING THE OUTAGE WHICH GREATLY REDUCED THE NUMBER OF OVERDUE PMS THAT HAD NEVER BEEN PERFORMED. THE NEED FOR IMPROVEMENT IN THE CONTENT AND QUALITY OF PM WORK INSTRUCTIONS WAS STILL EVIDENT.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

AS OF JUNE 16, THE PLANT WAS HOLDING 85% POWER DUE TO REACTOR COOLANT CHEMISTRY.

LAST IE SITE INSPECTION DATE: 04/29/88

INSPECTION REPORT NO: 88015

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
88-15	041788	051788	DIVISION I ISOLATIONS EXPERIENCED DURING IMPLEMENTATION OF A DESIGN CHANGE
88-16	042088	052088	FAILED RELAY CAUSES RESIDUAL HEAT REMOVAL SHUTDOWN COOLING OUT BOARD ISOLATION VALVE TO CLOSE
88-17	042788	052788	CONTROL CENTER HEATING VENTILATING AND AIR CONDITIONING SHIFTS TO RECIRCULATION MODE BECAUSE OF LOSS OF CONTROL POWER

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

2. Reporting Period: 05/01/88 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): 805

8. Maximum Dependable Capacity (Net MWe): 778

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEM 7 & 8 RECALCULATED USING PREVIOUS YEARS DATA.

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

11. Reasons for Restrictions, If Any: _____
NONE

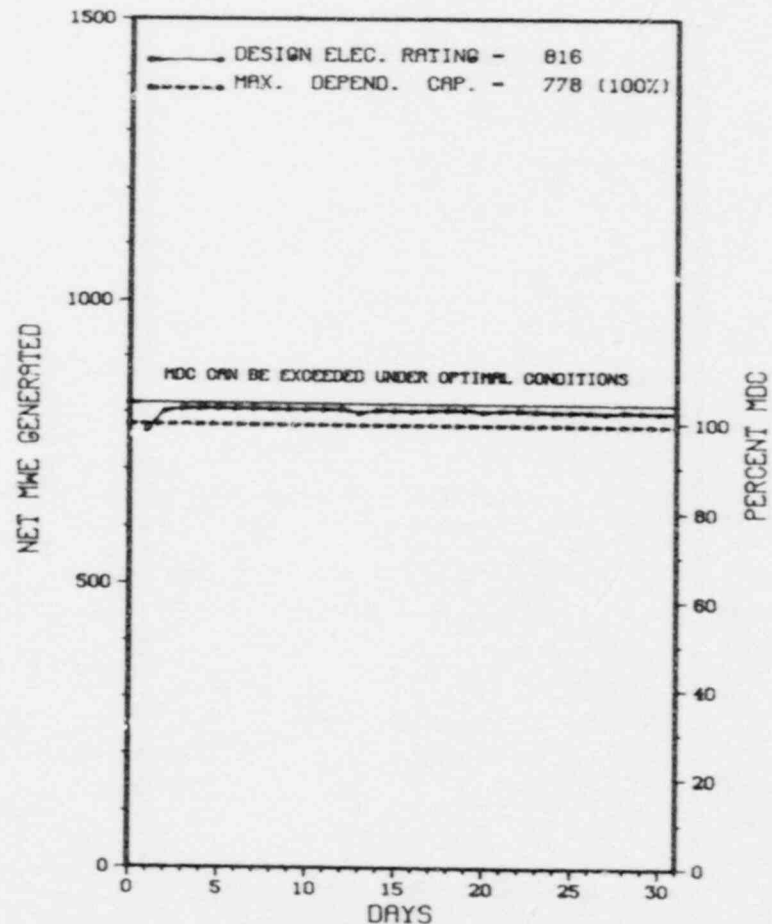
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>112,608.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,265.3</u>	<u>82,918.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,225.9</u>	<u>80,579.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,806,072</u>	<u>7,719,696</u>	<u>174,946,012</u>
18. Gross Elec Ener (MWH)	<u>618,750</u>	<u>2,645,410</u>	<u>59,252,810</u>
19. Net Elec Ener (MWH)	<u>597,655</u>	<u>2,551,630</u>	<u>57,330,100</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.5</u>	<u>71.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.5</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>103.3</u>	<u>89.2</u>	<u>65.5*</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>85.7</u>	<u>62.4</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>10,337.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUEL - 8/26/88 - 75 DAY DURATION.

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

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FITZPATRICK



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

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

NONE

* SUMMARY *

FITZPATRICK OPERATED ROUTINELY IN MAY 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)

* FITZPATRICK *

FACILITY DATA

Report Period MAY 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 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 1500

5. Nameplate Rating (Gross MWe): 594 X 0.85 = 502

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 502

8. Maximum Dependable Capacity (Net MWe): 478

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

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

11. Reasons for Restrictions, If Any:
NONE

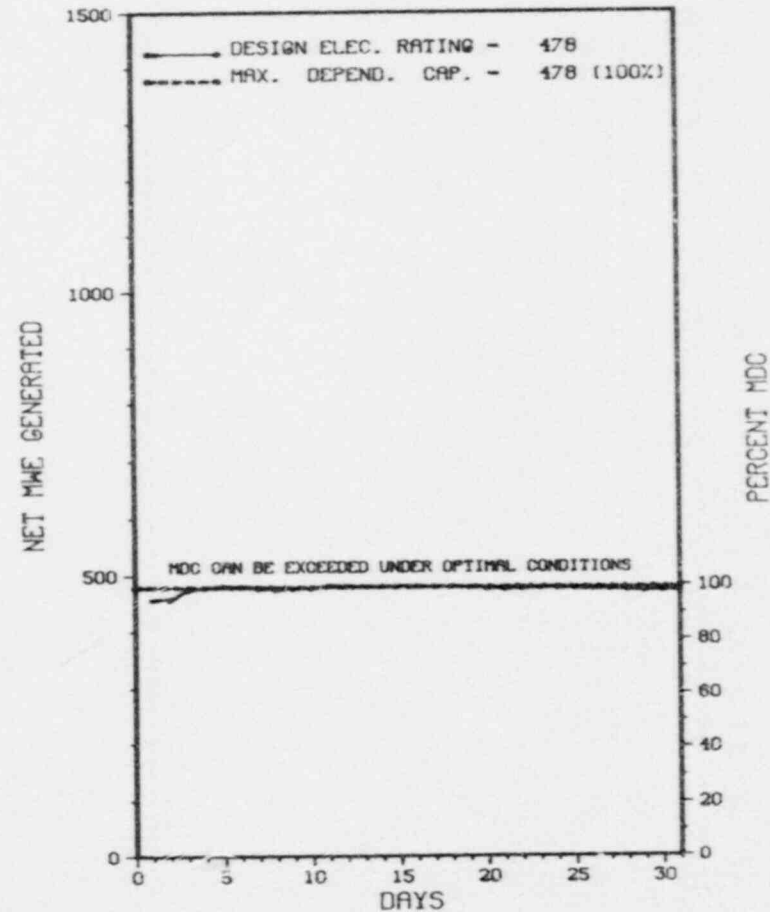
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>128,712.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>101,206.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,647.0</u>	<u>99,515.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,107,622</u>	<u>4,858,477</u>	<u>129,388,094</u>
18. Gross Elec Ener (MWH)	<u>370,744</u>	<u>1,645,782</u>	<u>62,930,558</u>
19. Net Elec Ener (MWH)	<u>354,019</u>	<u>1,564,795</u>	<u>40,708,863</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>89.8</u>	<u>68.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.5</u>	<u>89.8</u>	<u>66.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.0</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):
REFUELING-SEPTEMBER 2, 1988-75 DAY DURATION

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

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

NONE

* SUMMARY *

FORT CALHOUN OPERATED ROUTINELY IN MAY 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)

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

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANK NOVACHEK (303) 745-2224

4. Licensed Thermal Power (MWT): 842

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

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

10. Power Level To Which Restricted, If Any (Net MWe): 271

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>78,192.0</u>
13. Hours Reactor Critical	<u>466.0</u>	<u>2,958.7</u>	<u>36,360.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>260.0</u>	<u>2,654.1</u>	<u>24,235.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>162,073</u>	<u>1,421,968</u>	<u>12,203,381</u>
18. Gross Elec Ener (MWH)	<u>55,048</u>	<u>513,809</u>	<u>4,056,323</u>
19. Net Elec Ener (MWH)	<u>49,844</u>	<u>480,490</u>	<u>3,609,465</u>
20. Unit Service Factor	<u>34.9</u>	<u>72.8</u>	<u>31.0</u>
21. Unit Avail Factor	<u>34.9</u>	<u>72.8</u>	<u>31.0</u>
22. Unit Cap Factor (MDC Net)	<u>20.3</u>	<u>39.9</u>	<u>14.0</u>
23. Unit Cap Factor (DER Net)	<u>20.3</u>	<u>39.9</u>	<u>14.0</u>
24. Unit Forced Outage Rat	<u>65.1</u>	<u>27.2</u>	<u>62.1</u>
25. Forced Outage Hours	<u>484.0</u>	<u>992.9</u>	<u>39,669.5</u>

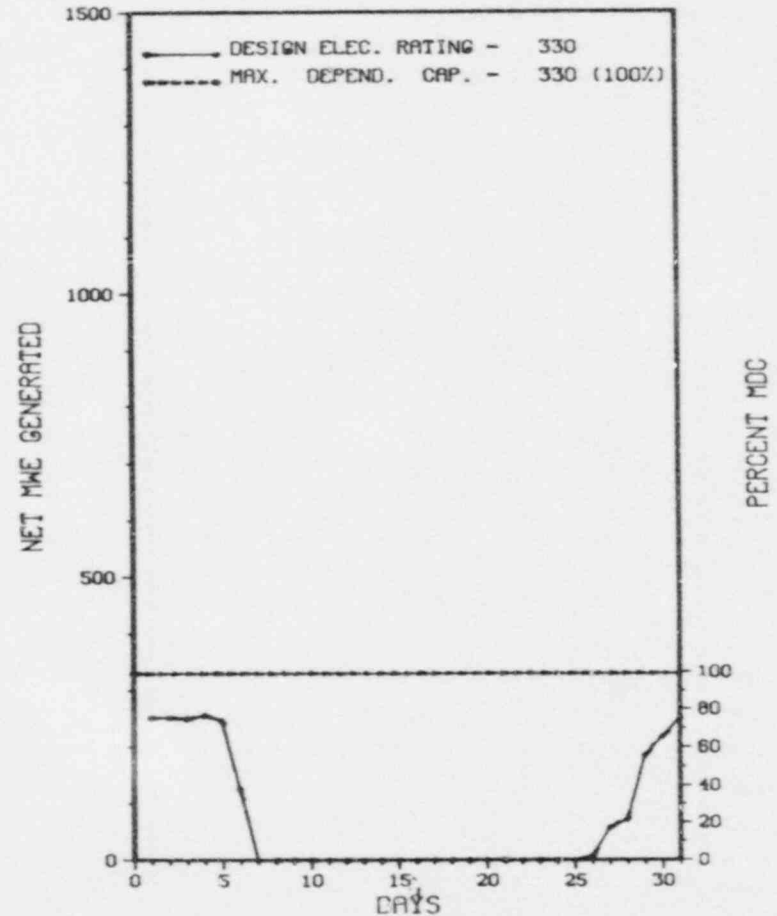
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
HELIUM CIRC REPAIRS-07/05/88-DURATION 90 DAYS.

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

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-09	05/06/88	F	484.0	A	3	88-009	JA	TI	AUTOMATIC REACTOR SCRAM ON HIGH HOT REHEAT TEMPERATURE DUE TO AN INTERMITTENT MALFUNCTION IN THE REHEAT TEMPERATURE AVERAGING CIRCUIT. A MONITORING PROGRAM WILL BE ESTABLISHED TO IDENTIFY THE MALFUNCTION.

 * SUMMARY *

 FORT ST VRAIN INCURRED ONE FORCED OUTAGE IN MAY AS DISCUSSED ABOVE WHILE OPERATING AT A RESTRICTED POWER LEVEL.

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

* FORT ST VRAIN *

FACILITY DATA

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 1-31, 1988 (88-07) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOWUP OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED FINDINGS, OPERATIONAL SAFETY VERIFICATION, REVIEW OF 10 CFR PART 21 REPORTS, LICENSEE ACTION ON LICENSEE EVENT REPORTS, ENGINEERED SAFETY FEATURES WALKDOWN, REGION PEAKING FACTOR SURVEILLANCE, 10 CFR 50.59 SAFETY EVALUATIONS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, RADIOLOGICAL PROTECTION, AND MONTHLY SECURITY OBSERVATION. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 11-15, 1988 (88-09) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S CHEMISTRY/RADIOCHEMISTRY PROGRAM AND WATER CHEMISTRY AND RADIOCHEMISTRY CONFIRMATORY MEASUREMENTS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED AND NO DEVIATIONS WERE IDENTIFIED. ONE PREVIOUSLY IDENTIFIED OPEN ITEM WAS CLOSED.

ENFORCEMENT SUMMARY

FAILURE TO HAVE 02 FOOT-CANDLES IN 4 AREAS. CONTRARY TO CRITERION IV OF APP.B TO 10 CFR PART 50 AND PROCEDURE Q-4 PURCHASE ORDER N3446 DATED 12/4/87, TO GA TECHNOLOGIES WAS NOTED ON 3/24/88, TO HAVE NOT BEEN REVISED TO INCLUDE OR REFERENCE APPLICABLE DETAILED QA REQUIREMENTS AS COMMITTED TO IN THE PUBLIC SERVICE CO. OF COLORADO LETTER P-88019 DATED 1/22/88. CONTRARY TO CRITERION VI OF APP. B TO 10 CFR PART 50 AND PROCEDURE ENG-1, THE FOLLOWING CONDITIONS WERE IDENTIFIED: THE LATEST REVISED DRAWING HAD NOT BEEN DISTRIBUTED IN ONE INSTANCE TO ANY OF THE SPECIFIED LOCATIONS; SEVERAL INSTANCES WERE NOTED WHERE ALL DESIGNATED DISTRIBUTION

Report Period MAY 1988

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

* FORT ST VRAIN *

ENFORCEMENT SUMMARY

LOCATIONS WERE NOT UPDATED WITH THE LATEST REVISED DRAWINGS; DRAWINGS WITH THE SAME REVISION LETTERS HAD DIFFERENT CHANGE NOTICE OR DOCUMENT CHANGE NOTICE NUMBER ENTERED.
(8800 4)

FAILURE TO ADEQUATELY DOCUMENT SUITABILITY FILES. FAILURE TO ENFORCE REQUIREMENT THAT SECURITY OFFICERS WEARING EYEGASSES, POSSESS TWO PAIR ONSITE.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: APRIL 15, 1988

INSPECTION REPORT NO: 50-267/88-09

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-002	02/10/88	03/11/88	LOOP 1 SHUTDOWN AND MANUAL SCRAM
88-003	02/11/88	03/12/88	REACTOR SCRAM ACTUATION ON NEUTON FLUX RATE OF CHANGE HIGH
88-006	04/07/88	05/09/88	EXPANSION JOINT FAILURE CAUSING LOSS OF CIRCULATING WATER RESULTING IN A MANUAL SCRAM
88-007	04/08/88	05/09/88	SURVEILLANCE PROCEDURE NOT PERFORMED WITHIN TECHNICAL SPECIFICATION INTERVAL DUE TO ERROR IN COMPUTER SCHEDULING PROGRAM
88-008	04/21/88	05/21/88	TECHNICAL SPECIFICATION SURVEILLANCE NOT PERFORMED WITHIN REQUIRED INTERVAL

=====

REGION 4 INSPECTION REPORT 458 FOR RIVERBEND

INSPECTION STATUS

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1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>162,287.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,629.2</u>	<u>126,647.0</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>2,564.5</u>	<u>124,212.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,108,301</u>	<u>3,559,316</u>	<u>174,486,649</u>
18. Gross Elec Ener (MWH)	<u>378,542</u>	<u>1,207,601</u>	<u>57,335,187</u>
19. Net Elec Ener (MWH)	<u>360,638</u>	<u>1,146,066</u>	<u>54,357,351</u>
20. Unit Service Factor	<u>100.0</u>	<u>70.3</u>	<u>76.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>70.3</u>	<u>76.5</u>
22. Unit Cap Factor (MDC Net)	<u>103.1</u>	<u>66.9</u>	<u>72.7*</u>
23. Unit Cap Factor (DER Net)	<u>103.1</u>	<u>66.9</u>	<u>72.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.2</u>	<u>6.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>229.5</u>	<u>4,553.9</u>

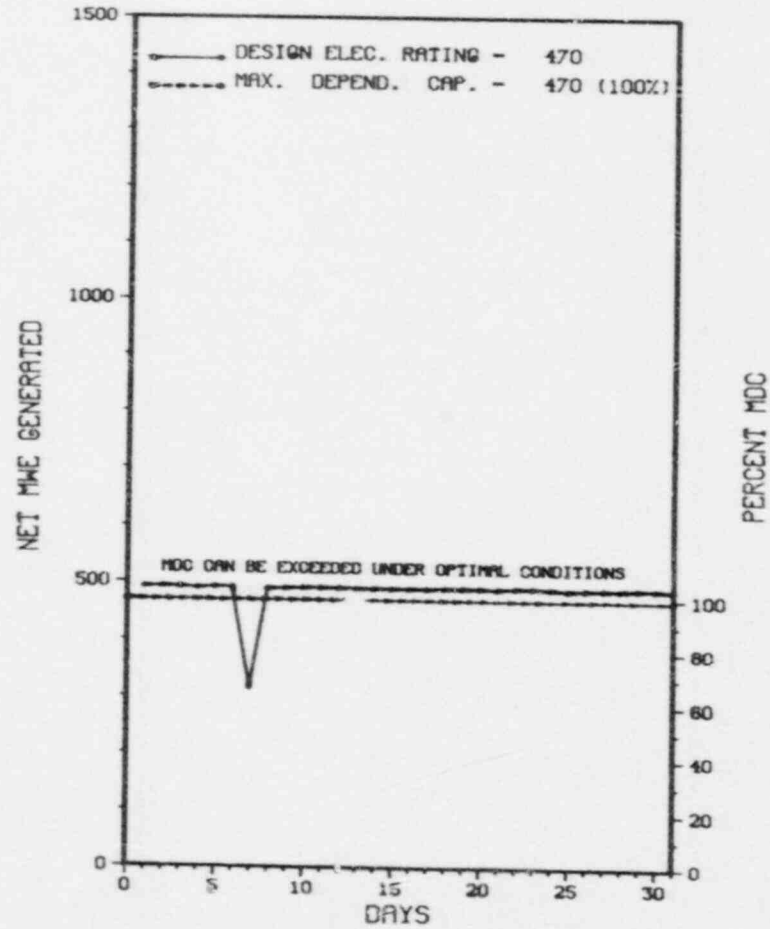
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-2	05/07/88	S	0.0	A	5		HF	HTEXCH	LOAD REDUCTION - TUBE LEAKS IN 1A2 CONDENSER; PLUGGED 9 TUBES.

 * SUMMARY *

 GINNA EXPERIENCED 1 POWER REDUCTION IN MAY 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)

* GINNA *

FACILITY DATA

Report Period MAY 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.....C. MARSCHALL
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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-416 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: S. H. HOBBS (601) 969-2458

4. Licensed Thermal Power (MWt): 3833

5. Nameplate Rating (Gross MWe): 1373

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 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>3,647.0</u>	<u>25,584.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,432.9</u>	<u>19,144.2</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>3,302.5</u>	<u>18,425.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,803,000</u>	<u>12,160,821</u>	<u>61,356,493</u>
18. Gross Elec Ener (MWH)	<u>918,680</u>	<u>4,019,270</u>	<u>19,210,680</u>
19. Net Elec Ener (MWH)	<u>883,776</u>	<u>3,862,914</u>	<u>18,342,108</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.6</u>	<u>72.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.6</u>	<u>72.0</u>
22. Unit Cap Factor (MDC Net)	<u>104.0</u>	<u>92.7</u>	<u>62.8</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>84.7</u>	<u>57.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.3</u>	<u>6.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>221.2</u>	<u>1,329.4</u>

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

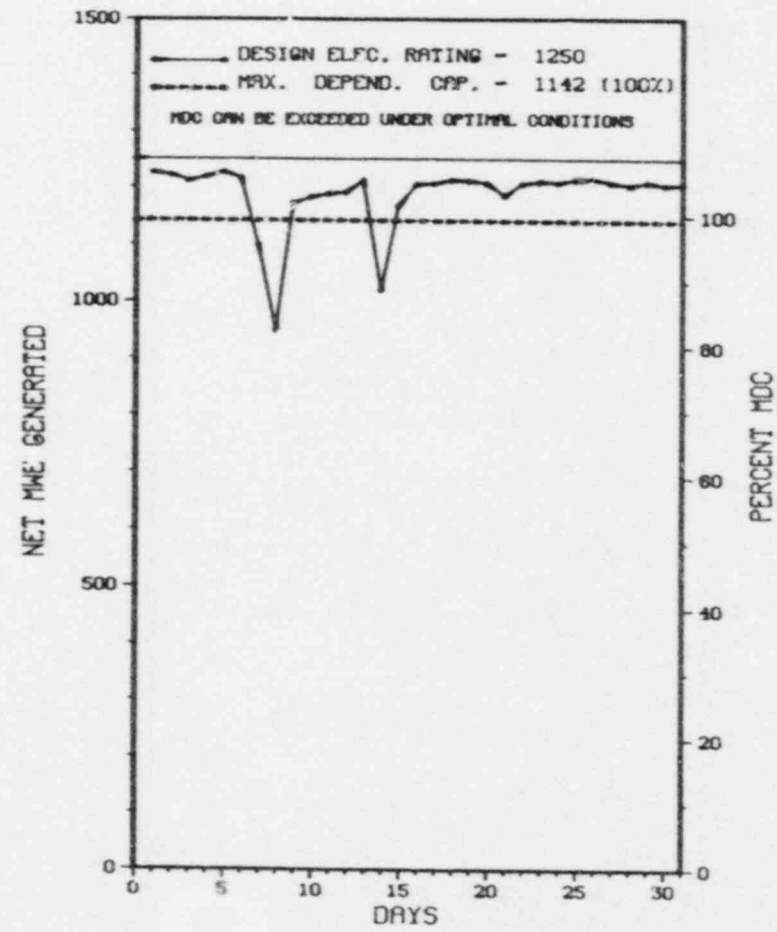
NONE

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* GRAND GULF 1 *

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

NONE

* SUMMARY *

GRAND GULF 1 OPERATED ROUTINELY IN MAY 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)

* GRAND GULF 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 7-11 (88-04): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN SELECTED ASPECTS OF OPERATIONS, DESIGN CONTROL AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS/DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 7-11 (88-05): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OFFGAS SYSTEM HYDROGEN CONTROL AND OFFSITE DOSE ASSESSMENTS DURING CHARCOAL BED BYPASSES. 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:

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

LAST IE SITE INSPECTION DATE: MARCH 7-11, 1988 +

INSPECTION REPORT NO: 50-416/88-05 +

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
88-006	01/20/88	02/19/88	CONDENSER MANWAY LEAKAGE ON HOTWELLOW LEVEL SWITCHES TRIPS ALL CONDEN. BOOSTER PUMPS; RX SCRAM ON LOW WATER LEVEL
88-007	02/04/88	03/04/88	FAILURE TO TAKE THE REQUIRED ACTION IN TECH SPECS FOR INOPERABLE RADIATION MONITOR ON STANDBY SERVICE WATER SYSTEM
88-008	02/08/88	03/09/88	MSIV-LCS DILUTION AIR INLET FOUND SEALED WITH TAPE
68-009	02/27/88	03/29/88	HYDROGEN IGNITION IN OFFGAS SYSTEM WHILE SWAPPING STEAM JET AIR EJECTORS
88-010	03/15/88	04/13/88	REACTOR SCRAM ON LOW WATER LEVEL
88-011	03/17/88	04/15/88	INADVERTENT RHR PUMP START DUE TO PERSONNEL ERROR

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

2. Reporting Period: 05/01/88 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

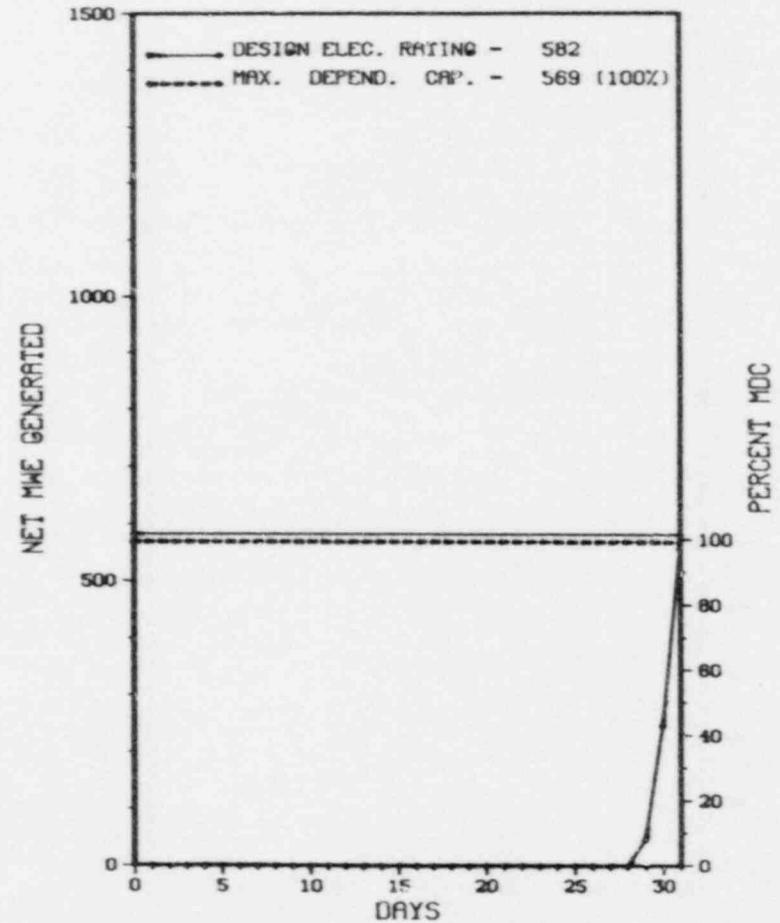
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>178,967.0</u>
13. Hours Reactor Critical	<u>75.8</u>	<u>1,040.0</u>	<u>147,229.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>68.3</u>	<u>903.8</u>	<u>141,103.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>71,941</u>	<u>1,375,776</u>	<u>244,145,780</u>
18. Gross Elec Ener (MWH)	<u>22,171</u>	<u>453,772</u>	<u>80,234,150</u>
19. Net Elec Ener (MWH)	<u>14,937</u>	<u>411,050</u>	<u>75,971,664</u>
20. Unit Service Factor	<u>9.2</u>	<u>24.8</u>	<u>78.8</u>
21. Unit Avail Factor	<u>9.2</u>	<u>24.8</u>	<u>79.1</u>
22. Unit Cap Factor (MDC Net)	<u>3.5</u>	<u>19.8</u>	<u>77.5*</u>
23. Unit Cap Factor (DER Net)	<u>3.4</u>	<u>19.4</u>	<u>73.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,432.8</u>

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

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HADDAM NECK



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-03	04/30/88	S	675.7	F	4	88-012	JC		CONTINUATION OF SCHEDULED PLANT MAINTENANCE SHUTDOWN.

* SUMMARY *

HADDAM NECK COMPLETED SCHEDULED MAINTENANCE OUTAGE IN MAY AND RETURNED TO POWER.

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

* HADDAM NECK *

FACILITY DATA

Report Period MAY 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.....T. SCHEDLOSKY
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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY (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: 50-400 OPERATING STATUS

2. Reporting Period: 05/01/88 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:
NO'E

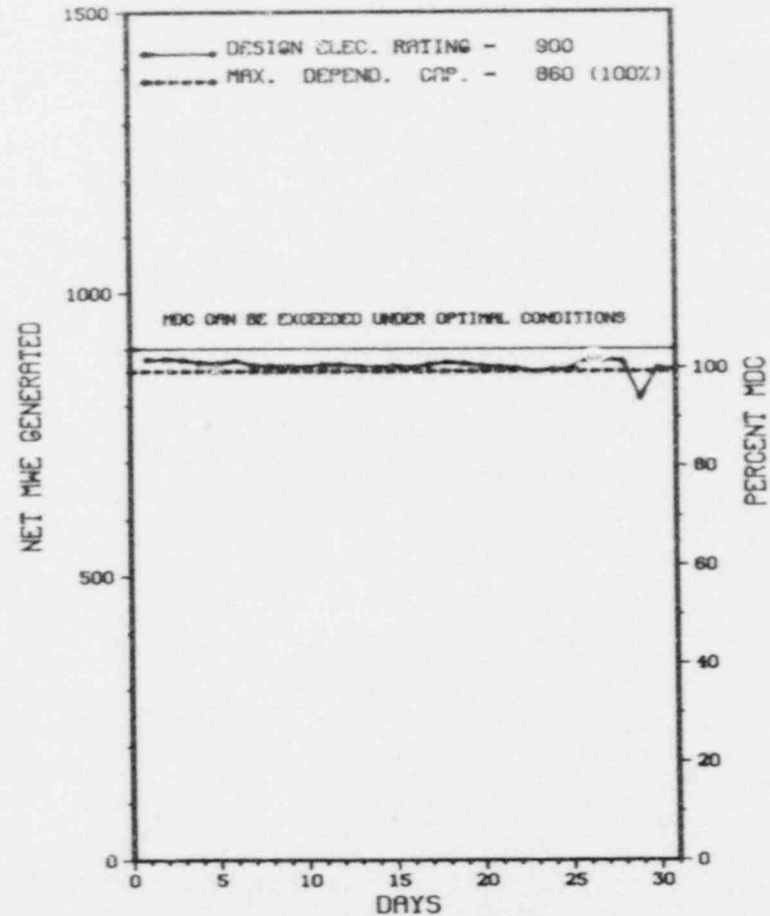
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>9,504.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,457.2</u>	<u>7,907.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,445.4</u>	<u>7,769.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,056,561</u>	<u>9,468,075</u>	<u>20,618,216</u>
18. Gross Elec Ener (MWH)	<u>688,531</u>	<u>3,195,147</u>	<u>6,860,315</u>
19. Net Elec Ener (MWH)	<u>647,117</u>	<u>2,993,539</u>	<u>6,372,368</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.5</u>	<u>81.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.5</u>	<u>81.7</u>
22. Unit Cap Factor (MDC Net)	<u>101.1</u>	<u>95.4</u>	<u>78.0</u>
23. Unit Cap Factor (DER Net)	<u>96.6</u>	<u>91.2</u>	<u>74.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.5</u>	<u>8.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>201.6</u>	<u>704.9</u>

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

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

* HARRIS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HARRIS 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * HARRIS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-010	05/24/88	S	0.0	B	5		RC	ZZZZZ	LOAD REDUCED TO 97% TO PERFORM CORE FLUX MAPPING. FLUX MAPPING WAS COMPLETED AND THE UNIT WAS RETURNED TO FULL POWER.
88-011	05/29/88	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.

 * SUMMARY *

 HARRIS 1 INCURRED 2 SCHEDULED LOAD REDUCTIONS 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)

* HARRIS 1 *

FACILITY DATA

Report Period MAY 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 3, 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. BUCKLEY
DOCKET NUMBER.....50-400
LICENSE & DATE ISSUANCE...NPF-63, JANUARY 12, 1987
PUBLIC DOCUMENT ROOM.....RICHARD B. HARRISON LIBRARY
1313 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 FEBRUARY 20 - MARCH 20 (88-06): THIS ROUTINE, ANNOUNCED INVOLVED INSPECTION IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, ON-SITE FOLLOW-UP OF EVENTS AND SUBSEQUENT WRITTEN REPORTS OF NONROUTINE EVENTS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, AND MONTHLY MAINTENANCE OBSERVATION. IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED, "FAILURE TO REQUIRE EOPS TO BE CONSISTENT WITH THE FSAR".

INSPECTION MARCH 28-31 (88-07): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF PLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 776

7. Maximum Dependable Capacity (Gross MWe): 789

8. Maximum Dependable Capacity (Net MWe): 756

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

10. 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>3,647.0</u>	<u>108,839.0</u>
13. Hours Reactor Critical	<u>191.0</u>	<u>2,633.9</u>	<u>77,398.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>136.8</u>	<u>2,538.3</u>	<u>73,315.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>298,000</u>	<u>6,030,092</u>	<u>158,785,472</u>
18. Gross Elec Ener (MWH)	<u>88,190</u>	<u>1,933,520</u>	<u>51,312,900</u>
19. Net Elec Ener (MWH)	<u>77,710</u>	<u>1,834,697</u>	<u>48,765,916</u>
20. Unit Service Factor	<u>18.4</u>	<u>69.6</u>	<u>67.4</u>
21. Unit Avail Factor	<u>18.4</u>	<u>69.6</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>13.8</u>	<u>66.5</u>	<u>59.3</u>
23. Unit Cap Factor (DER Net)	<u>13.5</u>	<u>64.8</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>81.6</u>	<u>27.0</u>	<u>14.1</u>
25. Forced Outage Hours	<u>607.2</u>	<u>938.1</u>	<u>11,801.2</u>

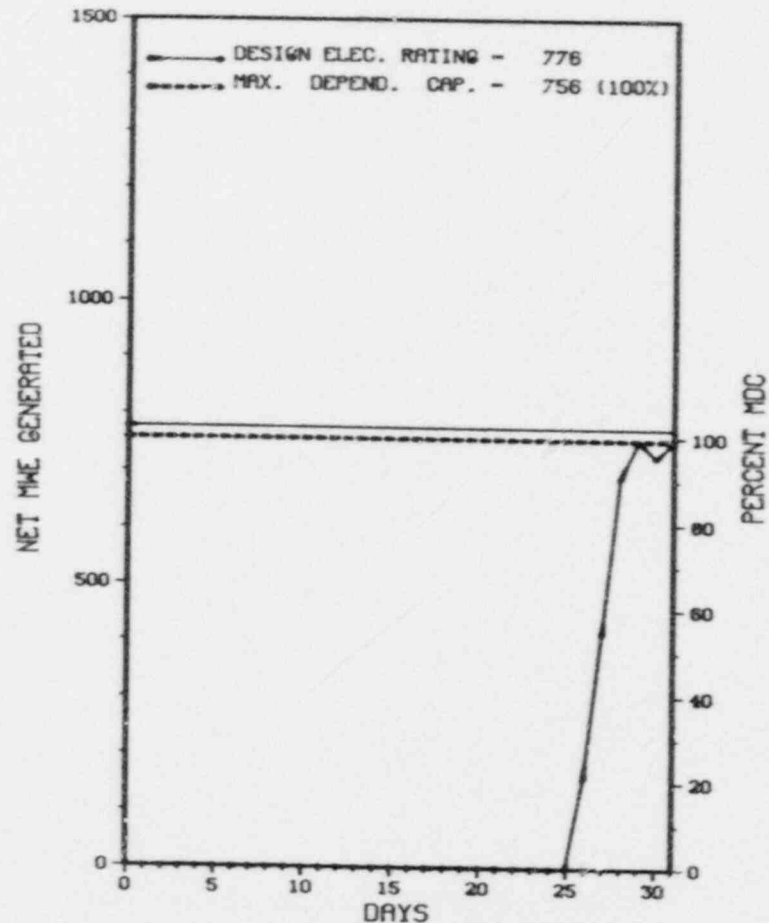
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-09/21/88-DURATION 65 DAYS.

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

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-006	04/22/88	F	607.2	F	4		ZZ	ZZZZZZ	REACTOR PLACED IN COLD SHUTDOWN PER MANAGEMENT DECISION.

* SUMMARY *

HATCH 1 ENTERED MAY SHUTDOWN FOR ADMINISTRATIVE REASONS.
SUBSEQUENTLY, RETURNED TO POWER ON 05/26/88.

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

* HATCH 1 *

FACILITY DATA

Report Period MAY 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...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

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 20 - MARCH 25 (88-07): 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, REACTOR STARTUP AFTER REFUELING OUTAGE, PART 21 REPORT FOLLOWUP, AND NRC BULLETIN FOLLOWUP. THREE VIOLATIONS WERE IDENTIFIED INVOLVING A FAILURE TO PERFORM AN ADEQUATE AVERAGE POWER RANGE MONITOR (APRM) SURVEILLANCE, TWO EXAMPLES OF FAILURE TO FOLLOW SURVEILLANCE PROCEDURE, AND A FAILURE TO HAVE AN ADEQUATE TURBINE CONTROL VALVE TEST PROCEDURE.

INSPECTION MARCH 7-11 (88-08): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF COMPLEX SURVEILLANCE TESTING AND IE BULLETIN FOLLOW-UP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 4-8 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED A REVIEW OF PROCEDURES, RECORDS, OPERATIONS, AND PHYSICAL INVENTORY FOR USE, CONTROL AND ACCOUNTABILITY OF SPECIAL NUCLEAR MATERIAL. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO CRITERION 57 OF APPENDIX A OF 10 CFR PART 50, PRIOR TO FEBRUARY 1988, TORUS TO DRYWELL VACUUM BREAKER TEST SOLENOID VALVES (T48-F342A-L) WERE INCAPABLE OF HOLDING PRESSURE DURING REQUIRED LOCAL LEAK RATE TESTING DUE TO DESIGN DEFICIENCIES.

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

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MMt): 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:
NONE

10. 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>3,647.0</u>	<u>76,608.0</u>
13. Hours Reactor Critical	<u>366.1</u>	<u>1,366.6</u>	<u>54,058.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>109.8</u>	<u>1,003.7</u>	<u>51,577.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>155,207</u>	<u>1,991,462</u>	<u>110,729,785</u>
18. Gross Elec Ener (MWH)	<u>44,700</u>	<u>646,750</u>	<u>36,401,850</u>
19. Net Elec Ener (MWH)	<u>34,510</u>	<u>597,316</u>	<u>34,641,828</u>
20. Unit Service Factor	<u>14.8</u>	<u>27.5</u>	<u>67.3</u>
21. Unit Avail Factor	<u>14.8</u>	<u>27.5</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>6.0</u>	<u>21.3</u>	<u>58.9</u>
23. Unit Cap Factor (DER Net)	<u>5.9</u>	<u>20.9</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>85.2</u>	<u>50.0</u>	<u>9.8</u>
25. Forced Outage Hours	<u>634.2</u>	<u>1,003.4</u>	<u>5,587.2</u>

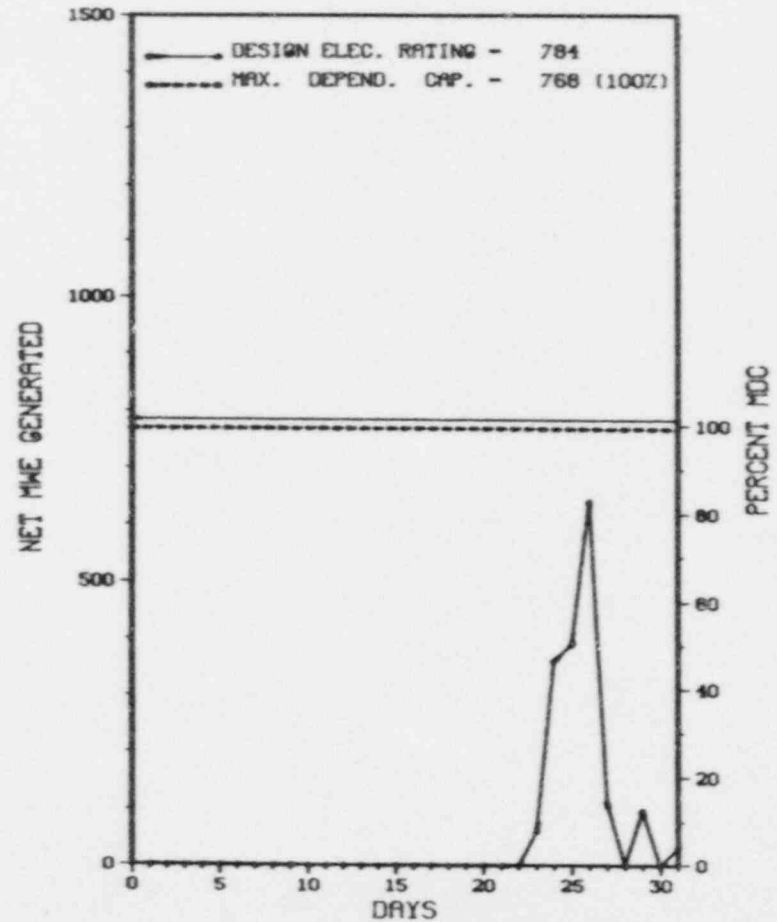
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/88

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 X HATCH 2 X

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-006	04/17/88	F	542.0	F	4		ZZ	ZZZZZ	REACTOR PLACED IN COLD SHUTDOWN PER MANAGEMENT DECISION.
88-007	05/27/88	F	40.7	H	3	2-88-017	HH	PUMPXX	WHEN THE UNIT WAS APPROACHING RTP THE CONDENSATE BOOSTER PUMPS TRIPPED ON LOW SUCTION PRESSURE. THIS IN TURN CAUSED THE REACTOR FEED PUMPS TO TRIP ON LOW SUCTION PRESSURE WHICH RESULTED IN A REACTOR SCRAM ON LOW LEVEL.
88-008	05/29/88	F	43.3	H	3	2-88-018	IA	INSTRU	DURING THE PERFORMANCE OF THE WEEKLY TURBINE STOP VALVE TEST A SPURIOUS SCRAM SIGNAL WAS RECEIVED IN THE CHANNEL NOT BEING TESTED AT THE TIME WHILE A SCRAM SIGNAL WAS PRESENT IN THE ALTERNATE CHANNEL AS A RESULT OF THE TEST. THE EXISTANCE OF SCRAM SIGNALS IN BOTH RPS CHANNELS RESULTED IN A REACTOR SCRAM.
88-009	05/31/88	F	8.2	B	9		HA	TURBIN	NO. 3 TURBINE STOP VALVE FAILED TO OPEN DURING STARTUP. INVESTIGATION FOUND A SMALL METAL OBJECT OBSTRUCTING THE LINE TO THE NO. 3 STOP VALVE.

***** HATCH 2 ENTERED MAY SHUTDOWN AND SUBSEQUENTLY INCURRED 3 FORCED
 * SUMMARY * OUTAGES 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)

* HATCH 2 *

FACILITY DATA

Report Period MAY 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.....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.....50-366
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 FEBRUARY 20 - MARCH 25 (88-07): 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, REACTOR STARTUP AFTER REFUELING OUTAGE, PART 21 REPORT FOLLOWUP, AND NRC BULLETIN FOLLOWUP. THREE VIOLATIONS WERE IDENTIFIED INVOLVING A FAILURE TO PERFORM AN ADEQUATE AVERAGE POWER RANGE MONITOR (APRM) SURVEILLANCE, TWO EXAMPLES OF FAILURE TO FOLLOW SURVEILLANCE PROCEDURE, AND A FAILURE TO HAVE AN ADEQUATE TURBINE CONTROL VALVE TEST PROCEDURE.

INSPECTION MARCH 7-11 (88-08): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF COMPLEX SURVEILLANCE TESTING AND IE BULLETIN FOLLOW-UP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 4-8 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED A REVIEW OF PROCEDURES, RECORDS, OPERATIONS, AND PHYSICAL INVENTORY FOR USE, CONTROL AND ACCOUNTABILITY OF SPECIAL NUCLEAR MATERIAL. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-354 OPERATING STATUS
 2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: BRYAN W. GORMAN (609) 339-3400
 4. Licensed Thermal Power (MWT): 3293
 5. Nameplate Rating (Gross MWe): 1118
 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>3,647.0</u>	<u>12,695.0</u>
13. Hours Reactor Critical	<u>688.7</u>	<u>2,216.1</u>	<u>10,074.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>666.8</u>	<u>2,060.0</u>	<u>9,805.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,165,136</u>	<u>6,668,991</u>	<u>30,477,558</u>
18. Gross Elec Ener (MWH)	<u>714,205</u>	<u>2,217,173</u>	<u>10,128,870</u>
19. Net Elec Ener (MWH)	<u>683,964</u>	<u>2,116,225</u>	<u>9,681,263</u>
20. Unit Service Factor	<u>89.6</u>	<u>56.5</u>	<u>77.2</u>
21. Unit Avail Factor	<u>89.6</u>	<u>56.5</u>	<u>77.2</u>
22. Unit Cap Factor (MDC Net)	<u>86.2</u>	<u>54.4</u>	<u>71.5</u>
23. Unit Cap Factor (DER Net)	<u>86.2</u>	<u>54.4</u>	<u>71.5</u>
24. Unit Forced Outage Rate	<u>10.4</u>	<u>4.3</u>	<u>8.0</u>
25. Forced Outage Hours	<u>77.2</u>	<u>92.3</u>	<u>852.9</u>

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

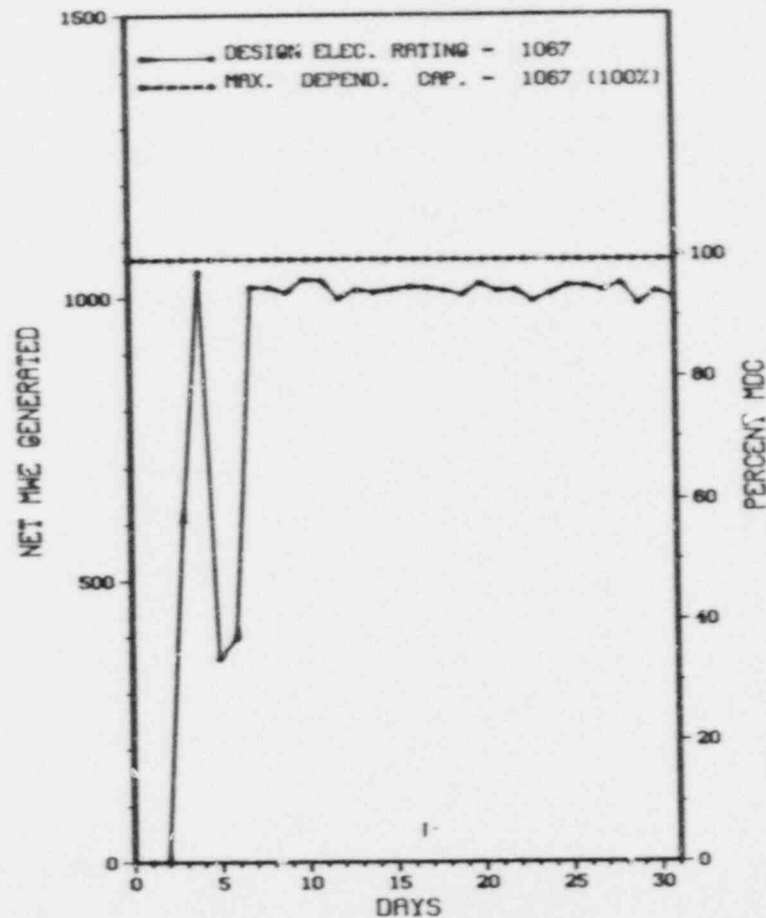
NONE

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

 * HOPE CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HOPE CREEK 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* HOPE CREEK 1 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
5	04/30/88	F	50.4	A	4			CONTINUATION OF 4/30/88 FORCED OUTAGE.
6	05/05/88	F	26.8	A	3	88-013		AUTOMATIC REACTOR SCRAM ON LOW REACTOR WATER LEVEL DUE TO 'B' REACTOR FEED PUMP TURBINE TRIP. LER 88-013.

***** HOPE CREEK ENTERED MONTH SHUTDOWN BECAUSE OF EQUIPMENT FAILURE.
* SUMMARY * RETURNED TO POWER. SUBSEQUENTLY, INCURRED 1 FORCED POWER
***** 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)

* HOPE CREEK 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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

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: 50-247 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: K. KRIEGER (914) 526-5155
4. Licensed Thermal Power (MWh): 2758
5. Nameplate Rating (Gross MWe): 1126 X 0.9 = 1013
6. Design Electrical Rating (Net MWe): 873
7. Maximum Dependable Capacity (Gross MWe): 885
8. Maximum Dependable Capacity (Net MWe): 849
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

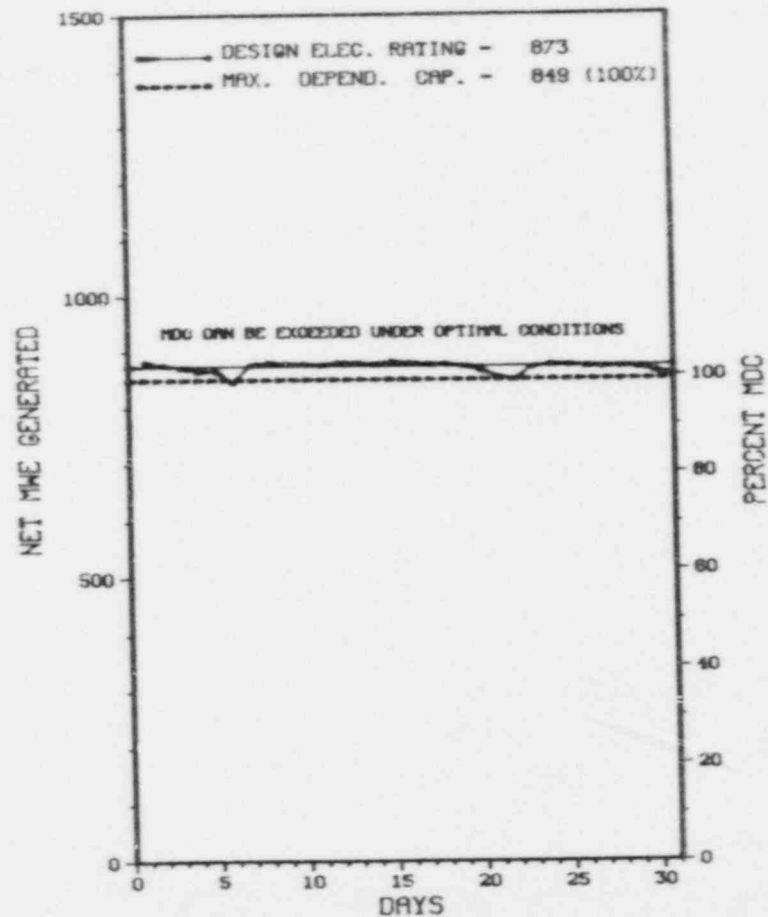
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>122,016.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,136.3</u>	<u>83,755.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,867.6</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,002.9</u>	<u>81,399.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>2,051,008</u>	<u>7,990,565</u>	<u>212,833,435</u>
18. Gross Elec Ener (MWh)	<u>670,626</u>	<u>2,621,370</u>	<u>66,234,926</u>
19. Net Flec Ener (MWh)	<u>647,821</u>	<u>2,516,289</u>	<u>62,652,077</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.3</u>	<u>66.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.3</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>102.6</u>	<u>80.4</u>	<u>60.4*</u>
23. Unit Cap Factor (DER Net)	<u>99.7</u>	<u>79.0</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>8.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>25.3</u>	<u>7,283.3</u>

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

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 2



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

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

NONE

* SUMMARY *

INDIAN POINT 2 OPERATED ROUTINELY DURING MAY WITH NO OUTAGES
OR SIGNIFICANT LOAD 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 2 *

FACILITY DATA

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>103,032.0</u>
13. Hours Reactor Critical	<u>314.4</u>	<u>3,157.1</u>	<u>62,502.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>302.6</u>	<u>3,133.1</u>	<u>60,599.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>783,188</u>	<u>9,269,966</u>	<u>161,282,109</u>
18. Gross Elec Ener (MWH)	<u>254,980</u>	<u>3,060,550</u>	<u>51,438,606</u>
19. Net Elec Ener (MWH)	<u>245,105</u>	<u>2,955,762</u>	<u>49,346,320</u>
20. Unit Service Factor	<u>40.7</u>	<u>85.9</u>	<u>58.8</u>
21. Unit Avail Factor	<u>40.7</u>	<u>85.9</u>	<u>58.8</u>
22. Unit Cap Factor (MDC Net)	<u>34.1</u>	<u>84.0</u>	<u>49.6</u>
23. Unit Cap Factor (DER Net)	<u>34.1</u>	<u>84.0</u>	<u>49.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>17.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>72.5</u>	<u>13,161.9</u>

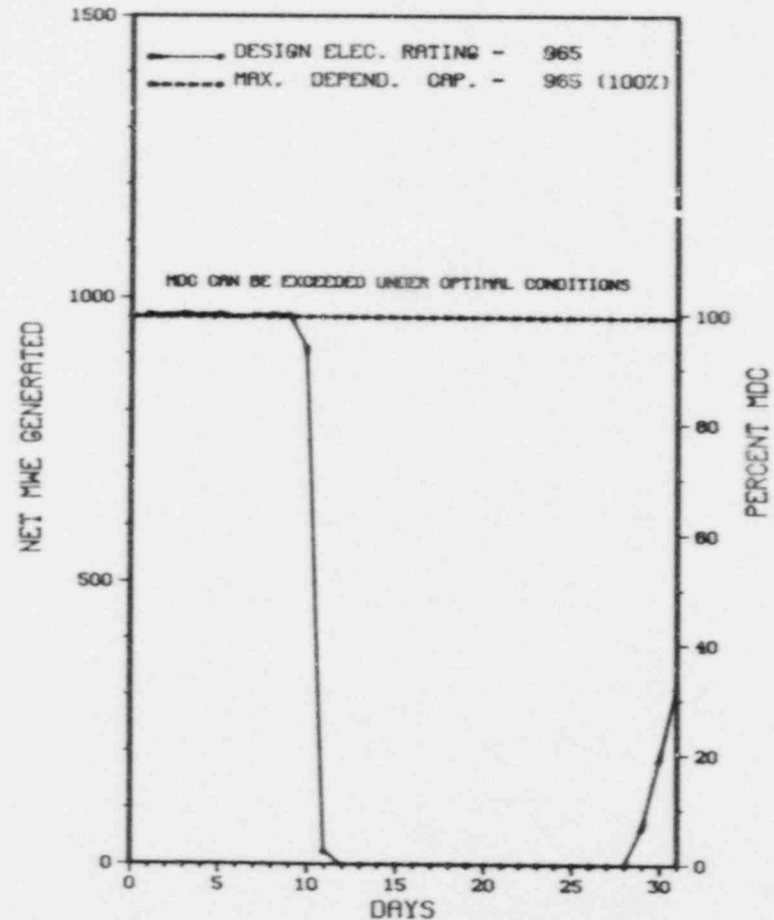
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* INDIAN POINT 3 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	05/11/88	S	441.4	B	1		HA	TURBIN	MANUALLY SECURED UNIT DURING A CONTROLLED SHUTDOWN FOR A SCHEDULED MAINTENANCE OUTAGE.

XXXXXXXXXXXX INDIAN POINT 3 INCURRED 1 OUTAGE IN MAY FOR SCHEDULED MAINTENANCE.
* SUMMARY *
XXXXXXXXXXXX

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

* INDIAN POINT 3 *

FACILITY DATA

Report Period MAY 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.

Report Period MAY 1988

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

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

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 95-01/88 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>3,647.0</u>	<u>122,376.0</u>
13. Hours Reactor Critical	<u>739.6</u>	<u>2,689.6</u>	<u>104,151.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>736.8</u>	<u>2,626.0</u>	<u>102,507.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,195,654</u>	<u>4,084,526</u>	<u>161,504,400</u>
18. Gross Elec Ener (MWH)	<u>405,300</u>	<u>1,365,000</u>	<u>53,352,100</u>
19. Net Elec Ener (MWH)	<u>386,571</u>	<u>1,301,373</u>	<u>50,805,883</u>
20. Unit Service Factor	<u>99.0</u>	<u>72.0</u>	<u>83.8</u>
21. Unit Avail Factor	<u>99.0</u>	<u>72.0</u>	<u>83.8</u>
22. Unit Cap Factor (MDC Net)	<u>103.3</u>	<u>70.9</u>	<u>80.6*</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>66.7</u>	<u>77.6</u>
24. Unit Forced Outage Rate	<u>1.0</u>	<u>1.9</u>	<u>2.8</u>
25. Forced Outage Hours	<u>7.2</u>	<u>50.1</u>	<u>2,888.9</u>

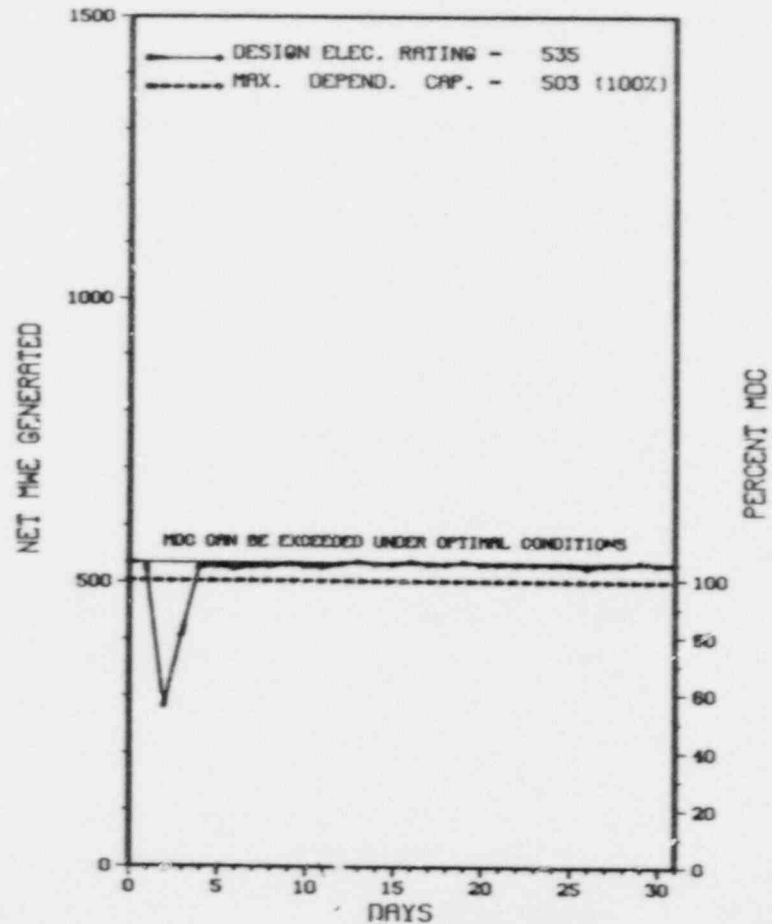
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 X KEWAUNEE X
 X *****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Correction	Action to Prevent Recurrence
6	05/02/88	F	7.2	A	3	88-006	IA	INSTRU	WHILE PERFORMING MONITORING SURVEILLANCE TESTING ON EXCORE NUCLEAR INSTRUMENTATION CHANNEL 1, RANDOM FLUCTUATIONS OCCURRED ON THE CHANNEL 4 OF DELTA-T TRIP SETPOINT SIGNAL DUE TO LOOSE CIRCUIT BOARD LEAD CONNECTIONS. AS A RESULT, THE TWO-OUT-OF-FOUR COINCIDENCE LOGIC WAS SATISFIED FOR DELTA-T REACTOR TRIP AND A REACTOR TRIP/TURBINE TRIP WAS INITIATED.	SURVEILLANCE TESTING ON EXCORE CHANNEL N41, REACTOR PROTECTION CHANNEL 4 OF DELTA-T REACTOR TRIP AND A REACTOR TRIP/TURBINE TRIP WAS INITIATED.

 X SUMMARY X

 KEWAUNEE EXPERIENCED 1 FORCED OUTAGE IN MAY DUE TO EQUIPMENT FAILURE.

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

* Kewaunee *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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 GEN.R...APRIL 8, 1974
DATE COMMERCIAL OPERATE....JUNE 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

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

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

INSPECTION SUMMARY

INSPECTION ON JANUARY 25-29 AND FEBRUARY 2-4 (88004): INCLUDED A REVIEW OF ACCESS CONTROL-PERSONNEL; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS AND ALLEGATIONS PERTAINING TO THE LICENSEE'S FITNESS FOR DUTY PROGRAM AND INAPPROPRIATE ON-DUTY ACTIVITIES BY GUARDS. THE ALLEGATIONS WERE NOT SUBSTANTIATED AND THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. ONE OPEN ITEM WAS IDENTIFIED PERTAINING TO THE SECURITY CONTRACTOR'S CONTINUING OBSERVATION PROGRAM.

INSPECTION FROM APRIL 1 THROUGH MAY 15 (88012): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; ONSITE FOLLOWUP OF EVENTS; TYPE B AND C LOCAL LEAK RATE TESTING; VERIFICATION OF CONTAINMENT INTEGRITY; AND FOLLOWUP ON LICENSEE EVENT REPORTS. NO SIGNIFICANT SAFETY ISSUES WERE IDENTIFIED. TWO FINDINGS FROM PREVIOUS INSPECTIONS WERE CLOSED, ONE OPEN ITEM (REPORT NO. 305/87013) AND ONE VIOLATION (REPORT NO. 305/88003). IN GENERAL, THE INSPECTION RESULTS INDICATE A CONTINUING GOOD PERFORMANCE. THE LICENSEE'S ACTIONS IN RESPONSE TO THE NOTICE OF VIOLATION (305/88003-01) INDICATE THAT AN IN-DEPTH REVIEW WAS MADE TO DETERMINE THE ROOT CAUSE OF THE VIOLATION AND THE CORRECTIVE ACTIONS NECESSARY TO PREVENT A RECURRENCE OF THIS TYPE OF EVENT.

INSPECTION ON APRIL 4-7 AND 15 (88010): REVIEWED LICENSEE ACTION RESULTING FROM THE SUSPENSION OF THE PLANT SECURITY SUPERVISOR, SPECIFICALLY IN THE AREAS OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY AUDIT PROGRAM; AND RECORDS AND REPORTS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION.

Report Period MAY 1988

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

* KEWAUNEE *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-03	040388	050388	INTEGRANULAR ATTACK AND INTERGRANULAR STRESS CORROSION CRACKING RESULT IN DEFECTIVE STEAM GENERATOR TUBES
88-04	041288	051288	COMMUNICATION DIFFICULTIES DURING THE IMPLEMENTATION OF NEW CONDENSER HOTWELL FLUSH PROCEDURE RESULTS IN REACTOR TRIP
88-05	042288	052388	ARGON GAS INTRODUCED INTO RCS DURING REFUELING WELDING PROCESS CAUSES ESF ACTUATIONS DURING STARTUP

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

2. Reporting Period: 05/01/88 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): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>38,711.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,729.8</u>	<u>21,773.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,729.8</u>	<u>21,158.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,252,088</u>	<u>63,222,404</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,777,631</u>	<u>18,744,890</u>
19. Net Elec Ener (MWH)	<u>-1,756</u>	<u>1,707,070</u>	<u>17,816,858</u>
20. Unit Service Factor	<u>.0</u>	<u>47.4</u>	<u>54.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>47.4</u>	<u>54.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>45.2</u>	<u>46.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>43.4</u>	<u>41.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,264.6</u>

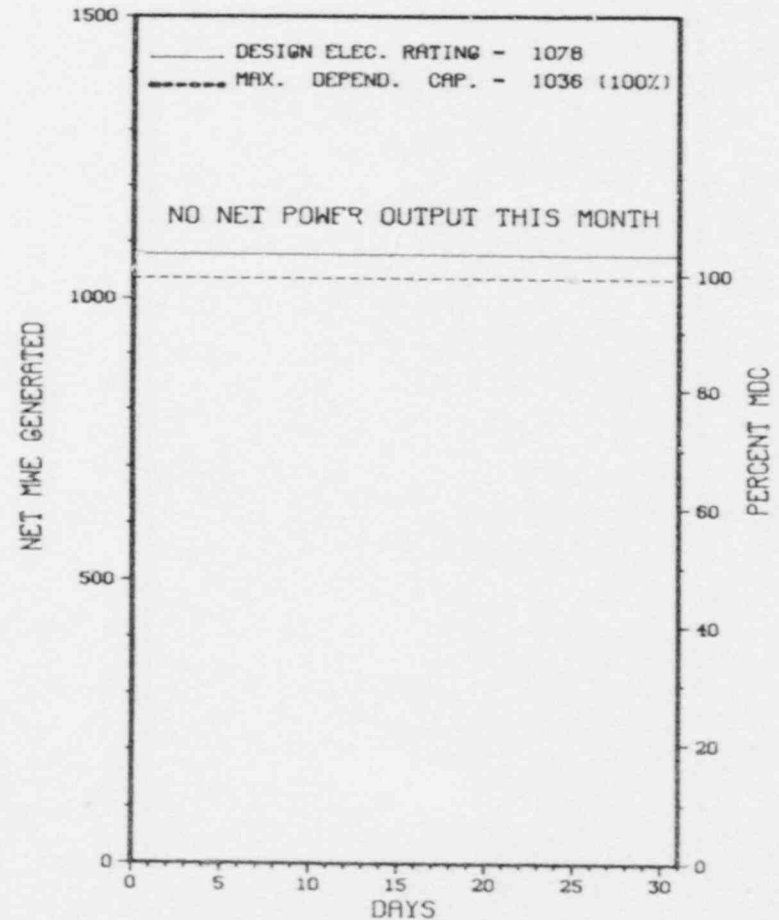
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/03/88

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
4	03/13/88	S	744.0	C	4			SECOND REFUEL OUTAGE.

* SUMMARY *

LASALLE 1 REMAINED SHUTDOWN DURING MAY FOR SCHEDULED REFUELING.

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

* LASALLE 1 *

FACILITY DATA

Report Period MAY 1983

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. SHERANSKI
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 MARCH 16-24 (88008; 88008): SPECIAL AUGMENTED INSPECTION TEAM (AIT) INSPECTION CONDUCTED IN RESPONSE TO THE DUAL RECIRCULATION PUMP TRIP AND SUBSEQUENT CORE POWER OSCILLATIONS RESULTING IN A REACTOR TRIP ON MARCH 9, 1988 AT LASALLE UNIT 2. THE REVIEW INCLUDED ROOT CAUSE DETERMINATION, SAFETY SIGNIFICANCE, PERFORMANCE OF OPERATORS AND EQUIPMENT, ADEQUACY OF PROCEDURES, EFFECTS ON THE REACTOR, REPORTING ACTIONS AND POTENTIAL GENERIC IMPLICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, THE LICENSEE HAS COMMITTED TO PROCEDURE AND TECHNICAL SPECIFICATION CHANGES AS WELL AS FURTHER STUDY IN THE AREAS OF INHERENT SHUTDOWN MECHANISMS, INSTRUMENTATION CAPABILITY AND UNCERTAINTIES IN THE DECAY RATION CALCULATIONS. THE LICENSEE'S INTERIM REPORT, AS REQUIRED BY THE CAL.

INSPECTION ON MARCH 24 THROUGH APRIL 25 (88010): ROUTINE ANNOUNCED SAFETY INSPECTION OF DEFUELING ACTIVITIES (60710). ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO FOLLOW SHIFT CHANGE AND LOG KEEPING PROCEDURES.

INSPECTION ON MARCH 25 THROUGH MAY 9 (88011; 88010): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; TRAINING; LICENSEE EVENT REPORTS; EMERGENCY PLANNING-EMERGENCY DETECTION AND CLASSIFICATION; AND MANAGEMENT MEETING. OF THE EIGHT AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. THE LICENSEE IS CURRENTLY 40% COMPLETE WITH THEIR UNIT 1 REFUELING OUTAGE. WORK ON THE DRYWELL COOLING MODIFICATION, SNUBBER REDUCTION AND REACTOR RECIRCULATION PUMP ARE GOING WELL AND APPEAR TO BE ON OR NEAR SCHEDULE. DURING THE PREVIOUS INSPECTION REPORT PERIOD, THERE WERE SEVERAL PROBLEMS (I.E., MISSED SURVEILLANCES, HEALTH PHYSICS VIOLATION, PROCEDURAL VIOLATIONS) WHICH APPEAR TO HAVE BEEN ISOLATED OCCURRENCES, AS THESE PROBLEMS HAVE NOT REOCCURRED DURING THIS REPORT PERIOD. DUE TO THE LARGE AMOUNT OF WORK TAKING PLACE DURING THE OUTAGE, THE LICENSEE SHOULD REMAIN DILIGENT IN THEIR EFFORTS OF CONTROLLING

INSPECTION SUMMARY

THE WORK ACTIVITIES.

INSPECTION ON MARCH 28 THROUGH APRIL 7 (88009; 88009): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S TRANSPORTATION, SOLID RADWASTE MANAGEMENT AND RADIATION PROTECTION PROGRAMS DURING THE UNIT 1 REFUELING/MAINTENANCE OUTAGE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); TRAINING AND QUALIFICATIONS OF CONTRACTOR PERSONNEL (IP 83729); PLANNING AND PREPARATION (IP 83729); EXTERNAL AND INTERNAL EXPOSURE CONTROLS (IP 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729, 83726); THE ALARA PROGRAM (IP 83729); SOLID RADWASTE (IP 84722); AND TRANSPORTATION ACTIVITIES (IP 86721). ALSO REVIEWED WERE PREVIOUS OPEN ITEMS (IP 92701), AN ADMINISTRATIVE OVEREXPOSURE EVENT (IP 92701), THE RECIRCULATION SYSTEM CHEMICAL DECONTAMINATION PROJECT, AND SPENT FUEL POOL LINER LEAKAGE (IP 92705). ONE MULTIPLE-EXAMPLE PROCEDURAL VIOLATION WAS IDENTIFIED (FAILURE TO REEVALUATE ALARA MEASURES WHEN RADIOLOGICAL CONDITIONS SIGNIFICANTLY DIFFER FROM THOSE ORIGINALLY ASSUMED, FAILURE TO FOLLOW RESPIRATOR RETURN PROCEDURE, AND FAILURE TO FOLLOW PERSONAL FRISKING PROCEDURE). ALTHOUGH ONE VIOLATION WAS IDENTIFIED, THE LICENSEE'S RADIATION PROTECTION PROGRAM CONTINUES TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF OCCUPATIONAL WORKERS. THE LICENSEE'S ALARA MEASURES APPEARED GENERALLY EFFECTIVE FOR REDUCING PERSONNEL EXPOSURES. THE LICENSEE'S PROGRAMS FOR CONTROLLING SOLID RADWASTE AND TRANSPORTING RADIOACTIVE MATERIAL ARE EFFECTIVE.

INSPECTION ON APRIL 11-15 (88013; 88012): SECURITY PLAN/IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREA; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS-PROTECTED AREA; ALARM STATIONS; COMMUNICATIONS; TRAINING AND QUALIFICATIONS; SAFEGUARDS CONTINGENCY PLAN AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. SEVEN PREVIOUS FINDINGS WERE CLOSED AS A RESULT OF THIS INSPECTION. THE THREE REMAINING FINDINGS INVOLVED SURVEILLANCE SYSTEM EFFECTIVENESS, MANAGEMENT EFFECTIVENESS, AND THE ROTATION OF SECURITY LOCATIONS. THE LICENSEE WAS FOUND IN COMPLIANCE WITH NRC REQUIREMENTS IN ALL 16 EXAMINED AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT SHUTDOWN FOR REFUELING OUTAGE ON 3/15/88 (EXPECTED TO LAST END OF JUNE)

LAST IE SITE INSPECTION DATE: 04/15/88

Report Period MAY 1988

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

* LASALLE 1 *

INSPECTION REPORT NO: 88014

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
88-04	042288	052088	TRIP OF 'A' REACTOR PROTECTION SYSTEM DUE TO IMPROPER INSTALLATION OF 'A' AVERAGE POWER RANGE MONITOR RELAY
88-05	042288	052088	INABILITY OF THE 1A DIESEL GENERATOR TO MEET LOAD ACCEPTANCE CRITERIA DURING SURVEILLANCE TESTING
88-06	033088	051988	CONTINUOUS CONDUCTIVITY INDICATION INOPERABLE DUE TO VESSEL DRAINDOWN FOR CHEMICAL DECONTAMINATION

=====

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1. Dock#: 50-374 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>31,703.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,445.5</u>	<u>20,230.2</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>3,428.9</u>	<u>19,900.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,288,616</u>	<u>10,202,424</u>	<u>57,997,479</u>
18. Gross Elec Ener (MWH)	<u>766,186</u>	<u>3,415,107</u>	<u>19,223,318</u>
19. Net Elec Ener (MWH)	<u>737,328</u>	<u>3,289,635</u>	<u>18,372,158</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.0</u>	<u>62.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.0</u>	<u>62.8</u>
22. Unit Cap Factor (MDC Net)	<u>95.7</u>	<u>87.1</u>	<u>55.9</u>
23. Unit Cap Factor (DER Net)	<u>91.9</u>	<u>83.7</u>	<u>53.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.0</u>	<u>17.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>218.1</u>	<u>4,317.9</u>

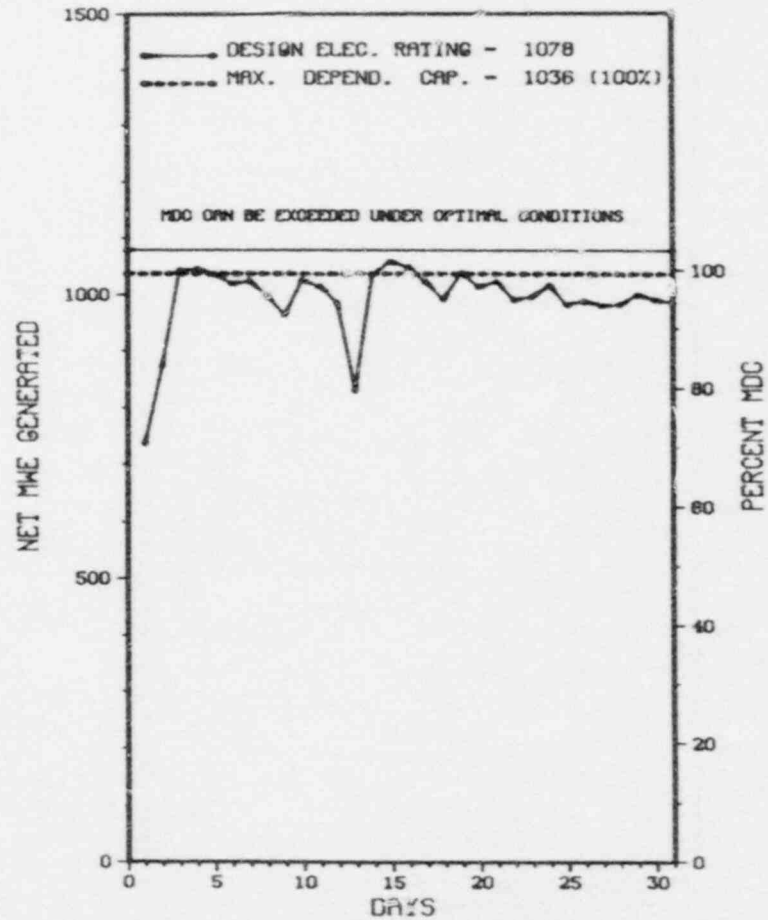
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-10/15/88.

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

* LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	05/12/88	S	0.0	F	5				LOAD DROP FOR CONTROL ROD ADJUSTMENT.

 * SUMMARY *

 LASALLE 2 INCURRED ONE SCHEDULED LOAD REDUCTION DURING MAY
 FOR CONTROL ROD ADJUSTMENT.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 MAY 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. SHEMAŃSKI
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 MARCH 16-24 (88008; 88008): SPECIAL AUGMENTED INSPECTION TEAM (AIT) INSPECTION CONDUCTED IN RESPONSE TO THE DUAL RECIRCULATION PUMP TRIP AND SUBSEQUENT CORE POWER OSCILLATIONS RESULTING IN A REACTOR TRIP ON MARCH 9, 1988 AT LASALLE UNIT 2. THE REVIEW INCLUDED ROOT CAUSE DETERMINATION, SAFETY SIGNIFICANCE, PERFORMANCE OF OPERATORS AND EQUIPMENT, ADEQUACY OF PROCEDURES, EFFECTS ON THE REACTOR, REPORTING ACTIONS AND POTENTIAL GENERIC IMPLICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, THE LICENSEE HAS COMMITTED TO PROCEDURE AND TECHNICAL SPECIFICATION CHANGES AS WELL AS FURTHER STUDY IN THE AREAS OF INHERENT SHUTDOWN MECHANISMS, INSTRUMENTATION CAPABILITY AND UNCERTAINTIES IN THE DECAY RATION CALCULATIONS. THE LICENSEE'S INTERIM REPORT, AS REQUIRED BY THE CAL.

INSPECTION ON MARCH 24 THROUGH APRIL 25 (88010): ROUTINE ANNOUNCED SAFETY INSPECTION OF DEFUELING ACTIVITIES (60710). ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO FOLLOW SHIFT CHANGE AND LOG KEEPING PROCEDURES.

INSPECTION ON MARCH 25 THROUGH MAY 9 (88011; 83010): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; TRAINING; LICENSEE EVENT REPORTS; EMERGENCY PLANNING-EMERGENCY DETECTION AND CLASSIFICATION; AND MANAGEMENT MEETING. OF THE EIGHT AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. THE LICENSEE IS CURRENTLY 40% COMPLETE WITH THEIR UNIT 1 REFUELING OUTAGE. WORK ON THE DRYWELL COOLING MODIFICATION, SNUBBER REDUCTION AND REACTOR RECIRCULATION PUMP ARE GOING WELL AND APPEAR TO BE ON OR NEAR SCHEDULE. DURING THE PREVIOUS INSPECTION REPORT PERIOD, THERE WERE SEVERAL PROBLEMS (I.E., MISSED SURVEILLANCES, HEALTH PHYSICS VIOLATION, PROCEDURAL VIOLATIONS) WHICH APPEAR TO HAVE BEEN ISOLATED OCCURRENCES, AS THESE PROBLEMS HAVE NOT REOCCURRED DURING THIS REPORT PERIOD. DUE TO THE LARGE AMOUNT OF WORK TAKING PLACE DURING THE OUTAGE, THE LICENSEE SHOULD REMAIN DILIGENT IN THEIR EFFORTS OF CONTROLLING

Report Period MAY 1988

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

* LASALLE 2 *

OTHER ITEMS

INSPECTION REPORT NO: 88013

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
88-05	041288	051088	HIGH PRESSURE CORE SPRAY PUMP MINIMUM FLOW BYPASS DIFFENTIAL PRESSURE SWITCH FOUND BELOW REJECT LIMIT

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1. Docket: 50-352 OPERATING STATUS
 2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: R. W. GROPP (215) 841-5058
 4. Licensed Thermal Power (Mwt): 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): 950

11. Reasons for Restrictions, If Any: _____

POWER RESTRICTED DUE TO A FUEL ROD LEAK.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>20,423.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,339.3</u>	<u>16,183.3</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>3,333.0</u>	<u>15,895.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,199,938</u>	<u>10,277,602</u>	<u>49,173,983</u>
18. Gross Elec Ener (MWH)	<u>714,640</u>	<u>3,322,870</u>	<u>16,022,280</u>
19. Net Elec Ener (MWH)	<u>687,262</u>	<u>3,198,886</u>	<u>15,366,723</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.4</u>	<u>77.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.4</u>	<u>77.8</u>
22. Unit Cap Factor (MDC Net)	<u>87.6</u>	<u>83.1</u>	<u>71.3</u>
23. Unit Cap Factor (DER Net)	<u>87.6</u>	<u>83.1</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.6</u>	<u>4.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>314.0</u>	<u>805.9</u>

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

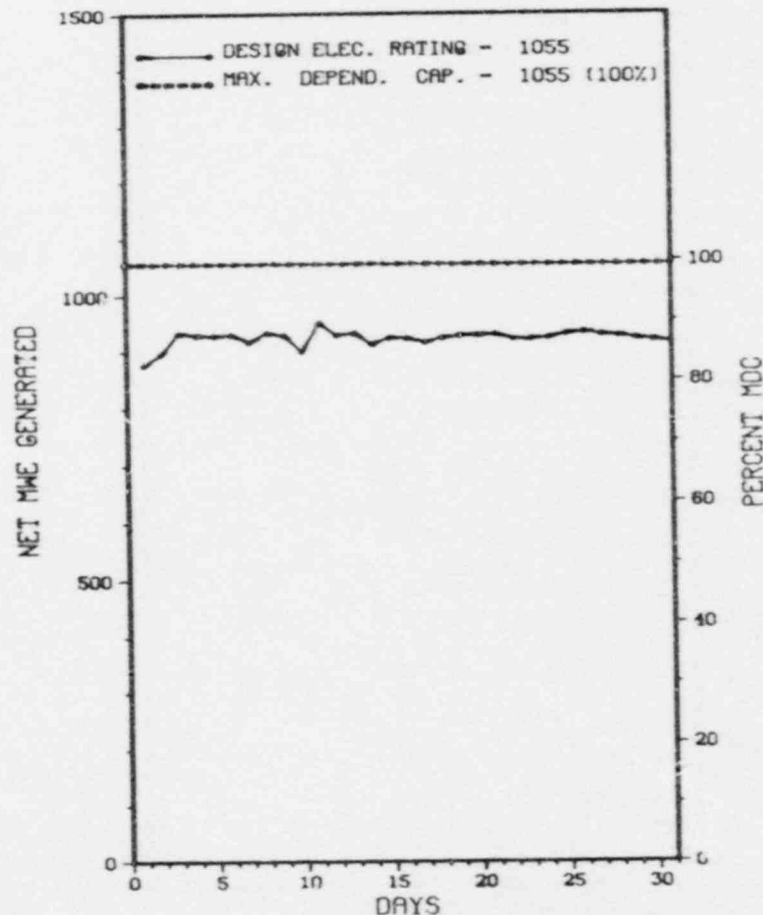
NONE

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

 * LIMERICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* LIMERICK 1 *

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

NONE

* SUMMARY *

LIMERICK 1 OPERATED AT AN ADMINISTRATIVELY RESTRICTED POWER LEVEL DURING MAY 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)

* LIMERICK 1 *

FACILITY DATA

Report Period MAY 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.....2501 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):

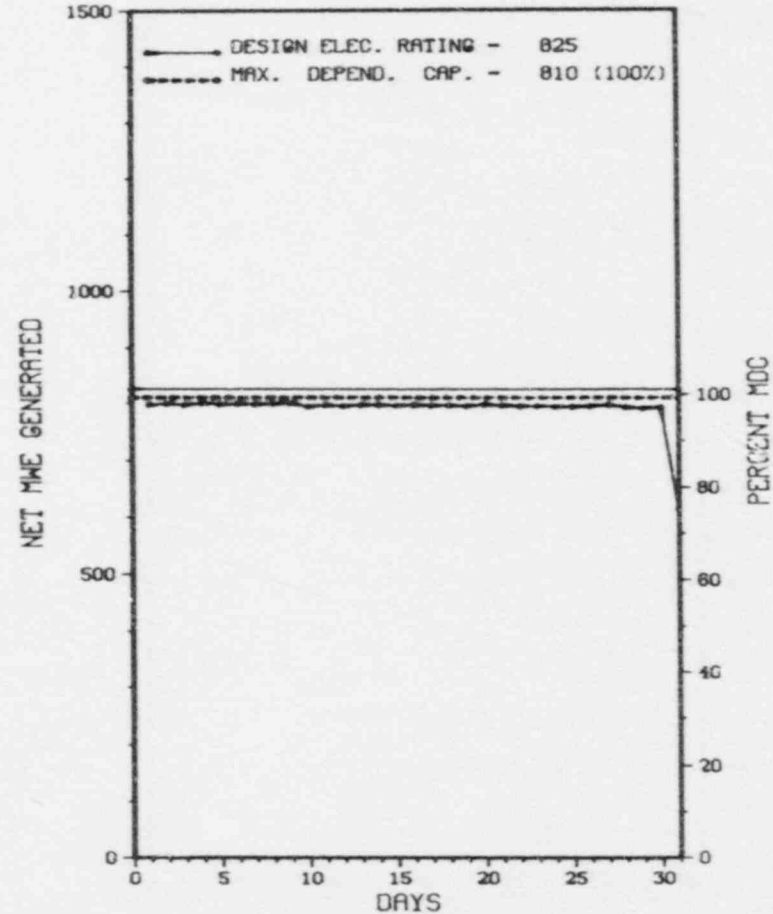
NO INPUT PROVIDED.

1. Docket: 50-309 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. M. TAYLOR (207) 882-6321
4. Licensed Thermal Power (Mwt): 2630
5. Nameplate Rating (Gross MWe): 864
6. Design Electrical Rating (Net MWe): 825
7. Maximum Dependable Capacity (Gross MWe): 850
8. Maximum Dependable Capacity (Net MWe): 810
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|------------------|------------------|--------------------|
| 12. Report Period Hrs | <u>744.0</u> | <u>3,647.0</u> | <u>136,403.6</u> |
| 13. Hours Reactor Critical | <u>744.0</u> | <u>3,630.9</u> | <u>109,483.5</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>3,617.8</u> | <u>106,276.7</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>1,943,749</u> | <u>9,458,740</u> | <u>243,819,074</u> |
| 18. Gross Elec Ener (MWH) | <u>607,940</u> | <u>2,969,990</u> | <u>79,858,720</u> |
| 19. Net Elec Ener (MWH) | <u>588,052</u> | <u>2,872,670</u> | <u>76,347,619</u> |
| 20. Unit Service Factor | <u>100.0</u> | <u>99.2</u> | <u>77.9</u> |
| 21. Unit Avail Factor | <u>100.0</u> | <u>99.2</u> | <u>77.9</u> |
| 22. Unit Cap Factor (MDC Net) | <u>97.6</u> | <u>97.2</u> | <u>70.7*</u> |
| 23. Unit Cap Factor (DER Net) | <u>95.8</u> | <u>95.5</u> | <u>68.9*</u> |
| 24. Unit Forced Outage Rate | <u>.0</u> | <u>.8</u> | <u>7.5</u> |
| 25. Forced Outage Hours | <u>.0</u> | <u>29.2</u> | <u>7,739.8</u> |
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE-10/15/88 - 8 WEEK DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
LR-75%	05/31/88	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR TURBINE VALVE AND EXCESS FLOW CHECK VALVE TESTING, CONDENSER WATER BOX CLEANING, MUSSEL CONTROL AND TRAVELLING WATER SCREEN MAINTENANCE.

 * SUMMARY *

 MAINE YANKEE INCURRED 1 SCHEDULED LOAD REDUCTION DURING MAY 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 Examination	9-Other	(LER) File (NUREG-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* MAINE YANKEE *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period MAY 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.....85 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
IF RESIDENT INSPECTOR.....C. HOLDEN
LICENSING PROJ MANAGER....P. SEARS
DOCKET NUMBER.....50-309
LICENSE & DATE ISSUANCE...DPR-36, JUNE 29, 1973
PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-369 OPERATING STATUS

2. Reporting Period: 05/01/88 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): 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>3,647.0</u>	<u>56,975.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,592.5</u>	<u>40,456.9</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>3,584.5</u>	<u>39,928.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,528,964</u>	<u>11,919,187</u>	<u>116,987,604</u>
18. Gross Elec Ener (MWH)	<u>867,146</u>	<u>4,129,650</u>	<u>40,525,227</u>
19. Net Elec Ener (MWH)	<u>836,296</u>	<u>3,982,240</u>	<u>38,647,738</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>79.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.3</u>	<u>70.1</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>96.7</u>	<u>60.1</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>92.5</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.7</u>	<u>13.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>62.5</u>	<u>6,085.2</u>

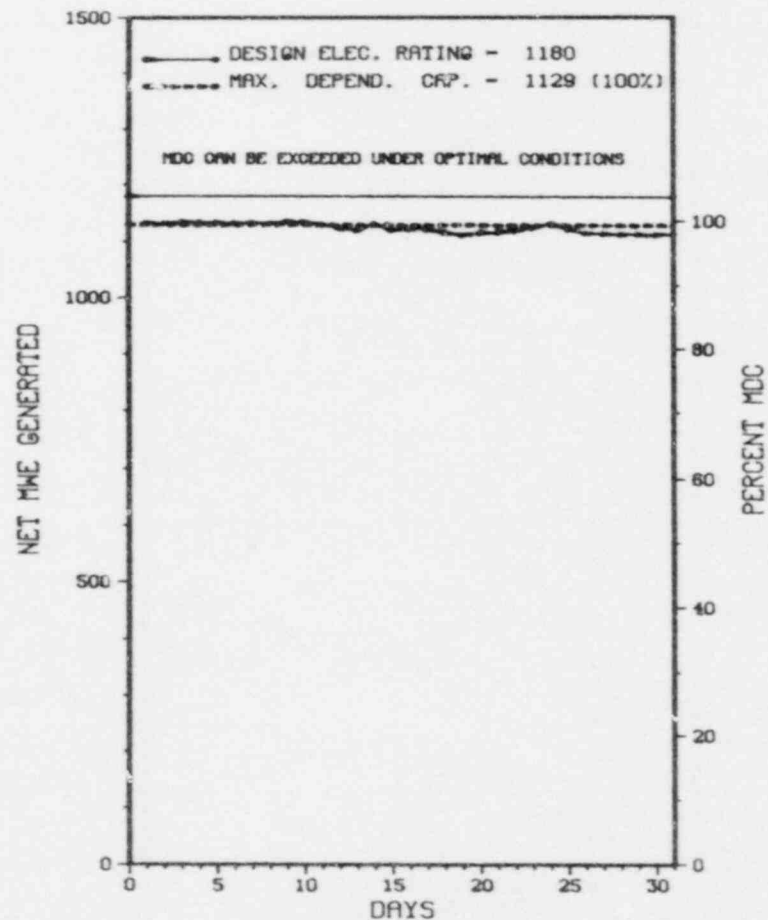
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 14, 1988 - 10 WEEK DURATION.

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

XX
 * MCGUIRE 1 *
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* MCGUIRE 1 *

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

NONE

* SUMMARY *

MCGUIRE 1 OPERATED ROUTINELY IN MAY 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)

* MCGUIRE 1 *

FACILITY DATA

Report Period MAY 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 METHGD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORFERS
LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

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

INSPECTION SUMMARY

+ INSPECTION MARCH 7-11 (88-06): THIS WAS A ROUTINE, UNANNOUNCED INSPECTION IN THE AREAS OF ORGANIZATION AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL AND DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, LICENSEE'S PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA), SOLID WASTES, AND TRANSPORTATION. ONE VIOLATION WAS IDENTIFIED INVOLVING FAILURE TO BARRICADE AND POST A HIGH RADIATION AREA AND FAILURE OF AN INDIVIDUAL ENTERING THE AREA TO HAVE THE PROPER RADIATION MONITORING DEVICE.

INSPECTION MARCH 14-18 (88-08): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SEISMIC MONITORING, FIRE PROTECTION/PREVENTION AND FOLLOWUP OF LICENSEE IDENTIFIED LICENSEE EVENT REPORTS (LER'S) 50-369/87-34 AND 50-370/87-18-01. NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

INSPECTION MARCH 29 - APRIL 1 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM AND FOLLOW-UP ON A LICENSEE IDENTIFIED ITEM (LER). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.7.3, UNIT 1 WAS OPERATED IN MODE 1 FOR GREATER THAN 72 HOURS WITH KC LOOP B INOPERABLE BETWEEN JANUARY 29, 1988 AND MARCH 9, 1988. KC LOOP B WAS INOPERABLE IN THAT THE NUCLEAR SERVICE WATER (RN) THROTTLE VALVE TO KC HEAT EXCHANGER 1B (RN-190B), WOULD NOT HAVE POSITIONED TO PROVIDE FULL DESIGN RN FLOW TO THE HEAT EXCHANGER IF REQUIRED TO DO SO IN AN ENGINEERED SAFETY FEATURES ACTUATION.

CONTRARY TO TS 4.0.5 AED ARTICLE IWV 3200 OF SECTION XI OF THE ASME BOILER AND PRESSURE VESSEL CODE, UNIT 1 NUCLEAR SERVICE WATER (RN) VALVE RN-21 UNDERWENT MAINTENANCE IN THE FORM OF A PACKING ADJUSTMENT ON FEBRUARY 4, 1988 BUT DID NOT RECEIVE A VALVE STROKE TIMING TEST TO VERIFY VALVE SHUTTING TIME TO BE WITHIN REQUIRED LIMITS INADEQUATE PROTECTED AREA ALARM ZONES.
 (8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 29 - APRIL 1, 1988 +

INSPECTION REPORT NO: 50-369/88-10 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-003	03/09/88	04/08/88	TRAIN B OF THE CCS WAS INOPERABLE DUE TO A NUCLEAR SERVICE WATER SYSTEM VALVE BEING IN A NONCONSERV. POSITION LOOSE TRVL S
88-004	03/09/88	04/08/88	UNIT 1 AND 2 ENTERED TS 3.0.3 WHEN EVCB VITAL BATTERY CHARGER WAS DENEERGIIZED DUE TO UNKNOWN REASONS EVCA BATTERY WAS INOPERABLE
88-005	03/23/88	04/22/88	SPURIOUS TRAIN A SAFETY INJECTION AND MAINSTEAM SYSTEM ISOLATION RESULTING IN A REACTOR TRIP

1. Docket: 50-370 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>37,271.0</u>
13. Hours Reactor Critical	<u>629.9</u>	<u>3,515.0</u>	<u>27,911.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>629.5</u>	<u>3,509.7</u>	<u>27,337.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,965,065</u>	<u>11,687,823</u>	<u>89,933,427</u>
18. Gross Elec Ener (MWH)	<u>683,952</u>	<u>4,081,950</u>	<u>31,157,178</u>
19. Net Elec Ener (MWH)	<u>653,295</u>	<u>3,930,677</u>	<u>29,866,679</u>
20. Unit Service Factor	<u>84.6</u>	<u>96.2</u>	<u>73.3</u>
21. Unit Avail Factor	<u>84.6</u>	<u>96.2</u>	<u>73.3</u>
22. Unit Cap Factor (MDC Net)	<u>77.8</u>	<u>95.5</u>	<u>71.0</u>
23. Unit Cap Factor (DER Net)	<u>74.4</u>	<u>91.3</u>	<u>67.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>11.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>22.8</u>	<u>3,417.3</u>

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

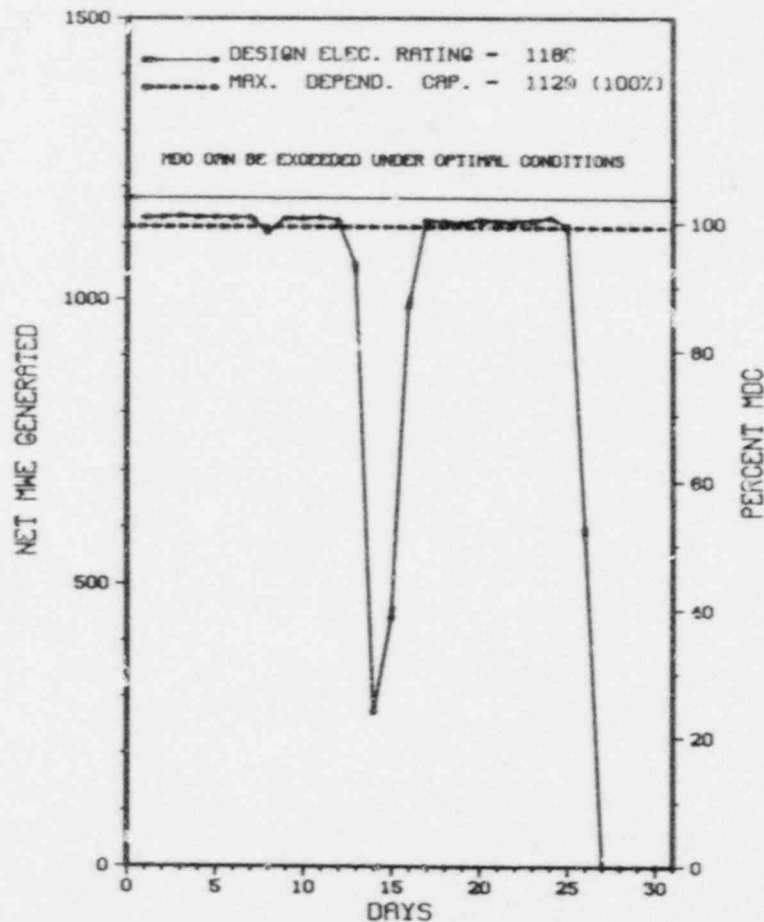
NONE

27. If Currently Shutdown Estimated Startup Date: 07/26/88

* MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL PLOT

MCGUIRE 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8-P	05/08/88	S	0.0	F	5		ZZ ZZZZZ?	LOAD REDUCTION PER DISPATCHER REQUEST.
9-P	05/13/88	S	0.0	F	5		ZZ ZZZZZZ	LOAD REDUCTION PER DISPATCHER REQUEST.
10-P	05/16/88	S	0.0	F	5		IE INSTRU	POWER HCLD FOR NUCLEAR INSTRUMENTATION CALIBRATION.
11-P	05/25/88	S	0.0	F	5		ZZ ZZZZZZ	POWER REDUCTION PER DISPATCHER REQUEST.
12-P	05/26/88	F	0.0	F	5		RC XXXXXX	CORE XENON RESTRICTIONS.
3	05/27/88	S	114.5	C	1		RC FUELXX	END OF CYCLE 4 REFUELING OUTAGE.

 * SUMMARY: MCGUIRE 2 INCURRED SEVERAL POWER REDUCTIONS DURING MAY AND SHUTDOWN AT END OF MONTH 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)

* MCGUIRE 2 *

FACILITY DATA

Report Period MAY 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...MAY 8, 1983
DATE ELEC ENER 1ST GENER...MAY 23, 1983
DATE COMMERCIAL OPERATE...MARCH 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION SUMMARY

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

+ INSPECTION MARCH 7-11 (88-06): THIS WAS A ROUTINE, UNANNOUNCED INSPECTION IN THE AREAS OF ORGANIZATION AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL AND DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, LICENSEE'S PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA), SOLID WASTES, AND TRANSPORTATION. ONE VIOLATION WAS IDENTIFIED INVOLVING FAILURE TO BARRICADE AND POST A HIGH RADIATION AREA AND FAILURE OF AN INDIVIDUAL ENTERING THE AREA TO HAVE THE PROPER RADIATION MONITORING DEVICE.

INSPECTION MARCH 14-18 (88-07): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SEISMIC MONITORING, FIRE PROTECTION/PREVENTION AND FOLLOWUP OF LICENSEE IDENTIFIED LICENSEE EVENT REPORTS (LER'S) 50-369/87-34 AND 50-370/87-18-01. NO VIOLATIONS OR DEVIATION WERE IDENTIFIED.

INSPECTION MARCH 29 - APRIL 1 (88-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM AND FOLLOW-UP ON A LICENSEE IDENTIFIED ITEM (LER). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>153,455.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,617.8</u>	<u>119,944.1</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>3,605.6</u>	<u>116,801.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>277.4</u>
17. Gross Therm Ener (MWH)	<u>1,485,981</u>	<u>7,158,037</u>	<u>217,364,132</u>
18. Gross Elec Ener (MWH)	<u>507,600</u>	<u>2,451,000</u>	<u>73,227,596</u>
19. Net Elec Ener (MWH)	<u>485,988</u>	<u>2,345,479</u>	<u>69,862,940</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.9</u>	<u>76.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.9</u>	<u>76.3</u>
22. Unit Cap Factor (MDC Net)	<u>99.9</u>	<u>98.3</u>	<u>69.6</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>97.4</u>	<u>69.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>10.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>38.4</u>	<u>6,344.9</u>

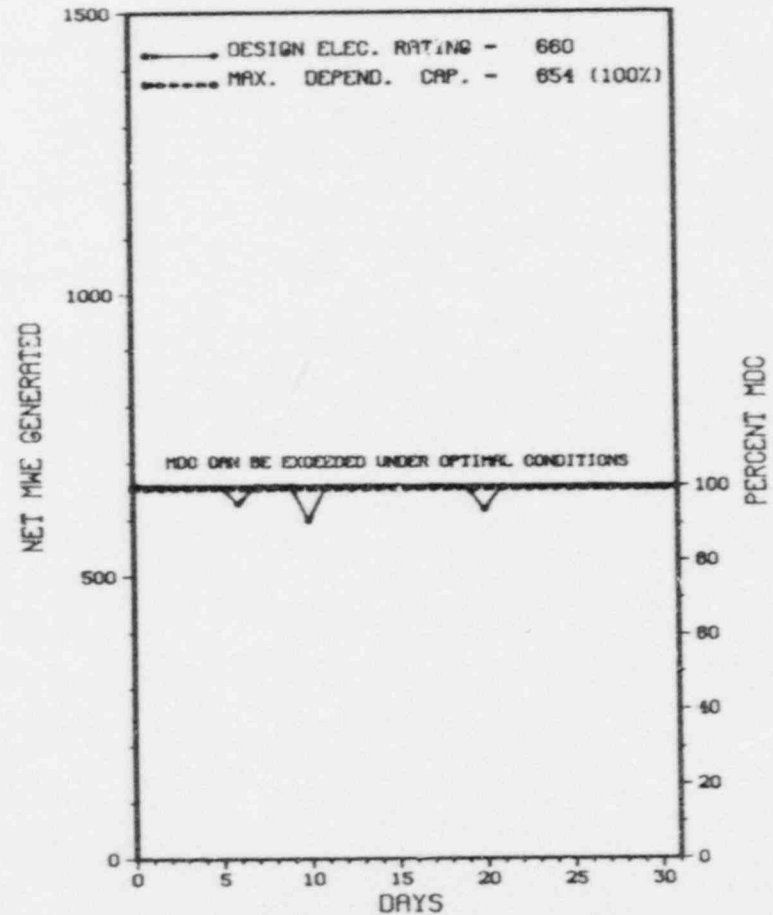
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



MAY 1988

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

NONE

 * SUMMARY *

 MILLSTONE 1 OPERATED ROUTINELY IN MAY 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 MAY 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.....W. 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

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1988

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MILLSTONE 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.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-336 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. NEERON (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>3,647.0</u>	<u>108,983.0</u>
13. Hours Reactor Critical	<u>395.1</u>	<u>2,028.8</u>	<u>78,292.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>364.5</u>	<u>1,903.5</u>	<u>75,155.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>956,578</u>	<u>4,897,213</u>	<u>192,217,204</u>
18. Gross Elec Ener (MWH)	<u>314,784</u>	<u>1,612,783</u>	<u>62,475,356</u>
19. Net Elec Ener (MWH)	<u>299,836</u>	<u>1,540,166</u>	<u>59,916,423</u>
20. Unit Service Factor	<u>49.0</u>	<u>52.2</u>	<u>69.0</u>
21. Unit Avail Factor	<u>49.0</u>	<u>52.2</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>47.0</u>	<u>49.3</u>	<u>64.8*</u>
23. Unit Cap Factor (DER Net)	<u>46.3</u>	<u>48.5</u>	<u>63.8*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,785.4</u>

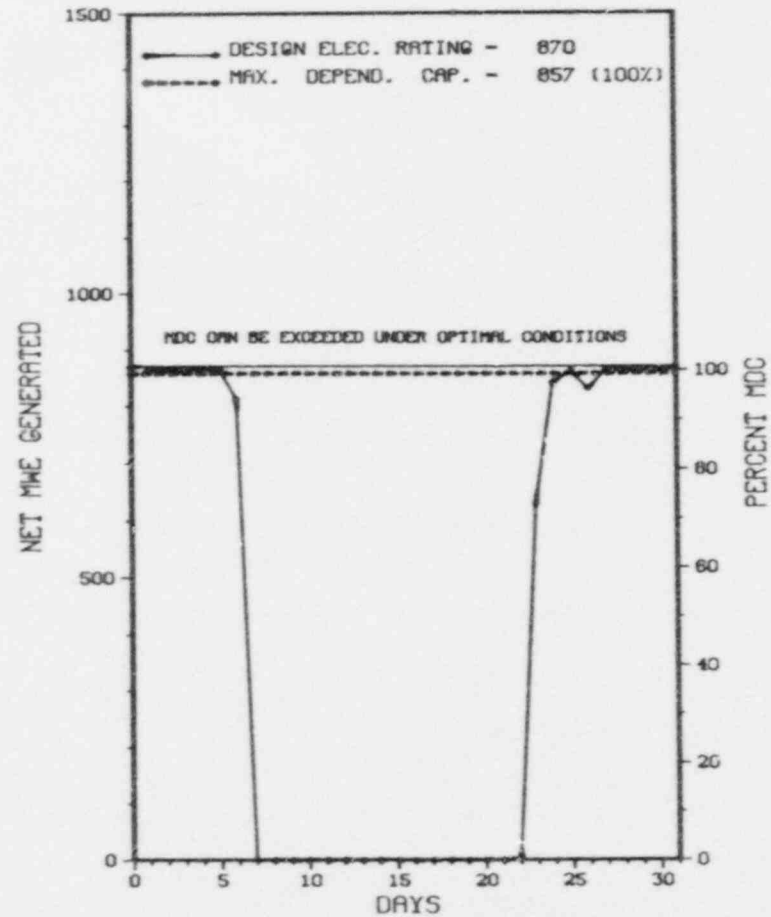
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



MAY 1988

* Item calculated with a Weighted Average

FIGURE 2-232

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	05/07/88	S	379.5	B	1		AB	SEAL	INITIATED REACTOR SHUTDOWN FROM 100% POWER FOR A PLANNED MAINTENANCE OUTAGE TO INVESTIGATE A REACTOR COOLANT SYSTEM LEAK - LEAK RATE WAS LESS THAN AMOUNT SPECIFIED IN TECHNICAL SPECIFICATIONS; VISUAL INSPECTIONS OF THE REACTOR COOLANT SYSTEM REVEALED A LEAK IN THE PROXIMITY OF THE REACTOR VESSEL FLANGE REGION; REMOVAL OF THE REACTOR VESSEL HEAD REVEALED THE FAILURE OF THE TWO (2) REACTOR VESSEL HEAD "O"-RINGS; THE TWO (2) FAILED "O"-RINGS WERE REPLACED; REACTOR CRITICALITY WAS ACHIEVED ON 5/21/88 AND THE UNIT RETURNED TO SERVICE ON 5/22/88.

 * SUMMARY *

 MILLSTONE 2 INCURRED 1 SCHEDULED OUTAGE DURING MAY 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)

* MILLSTONE 2 *

FACILITY DATA

Report Period MAY 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. REBLOWSKI
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: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: A. ELMS (203) 444-5388
 4. Licensed Thermal Power (MWT): 3411
 5. Nameplate Rating (Gross MWe): 1253
 6. Design Electrical Rating (Net MWe): 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>3,647.0</u>	<u>18,479.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,508.0</u>	<u>14,271.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>20.2</u>	<u>246.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,316.9</u>	<u>13,907.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,524,662</u>	<u>7,585,566</u>	<u>49,854,997</u>
18. Gross Elec Ener (MWH)	<u>886,435</u>	<u>2,648,000</u>	<u>15,857,270</u>
19. Net Elec Ener (MWH)	<u>850,352</u>	<u>2,508,994</u>	<u>15,113,071</u>
20. Unit Service Factor	<u>100.0</u>	<u>63.5</u>	<u>75.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>63.5</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>60.2</u>	<u>71.6</u>
23. Unit Cap Factor (DER Net)	<u>99.0</u>	<u>59.6</u>	<u>70.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>14.0</u>	<u>9.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>375.7</u>	<u>1,450.2</u>

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

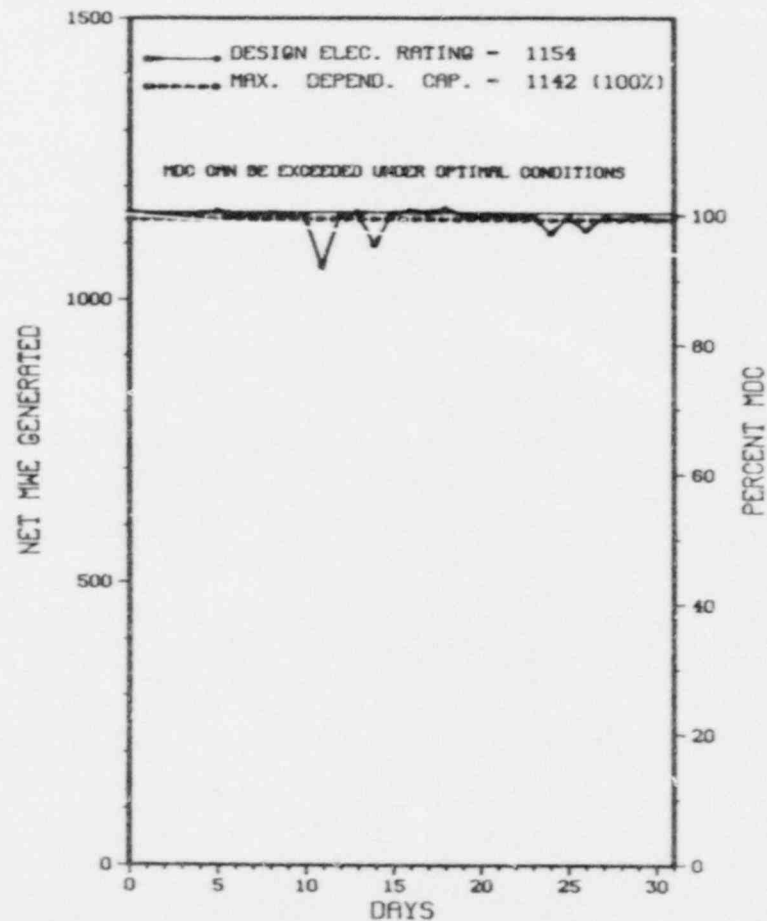
NONE

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

 * MILLSTONE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 3 *

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

NONE

 * SUMMARY *

 MILLSTONE 3 OPERATED ROUTINELY IN MAY 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 3 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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 ENER 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
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....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

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 MAY 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
* MILLSTONE 3 *
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	SUBJECT
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INFO. NOT SUPPLIED BY REGION

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1. Docket: 50-263 OPERATING STATUS
 2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>148,320.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>115,884.0</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>3,647.0</u>	<u>113,660.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,233,403</u>	<u>6,057,411</u>	<u>181,735,485</u>
18. Gross Elec Ener (MWH)	<u>413,996</u>	<u>2,049,129</u>	<u>58,929,185</u>
19. Net Elec Ener (MWH)	<u>397,461</u>	<u>1,971,831</u>	<u>56,342,949</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>76.6</u>
22. Unit Cap Factor (MDC Net)	<u>99.7</u>	<u>100.9</u>	<u>70.9</u>
23. Unit Cap Factor (DER Net)	<u>98.0</u>	<u>99.2</u>	<u>69.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>.3</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):

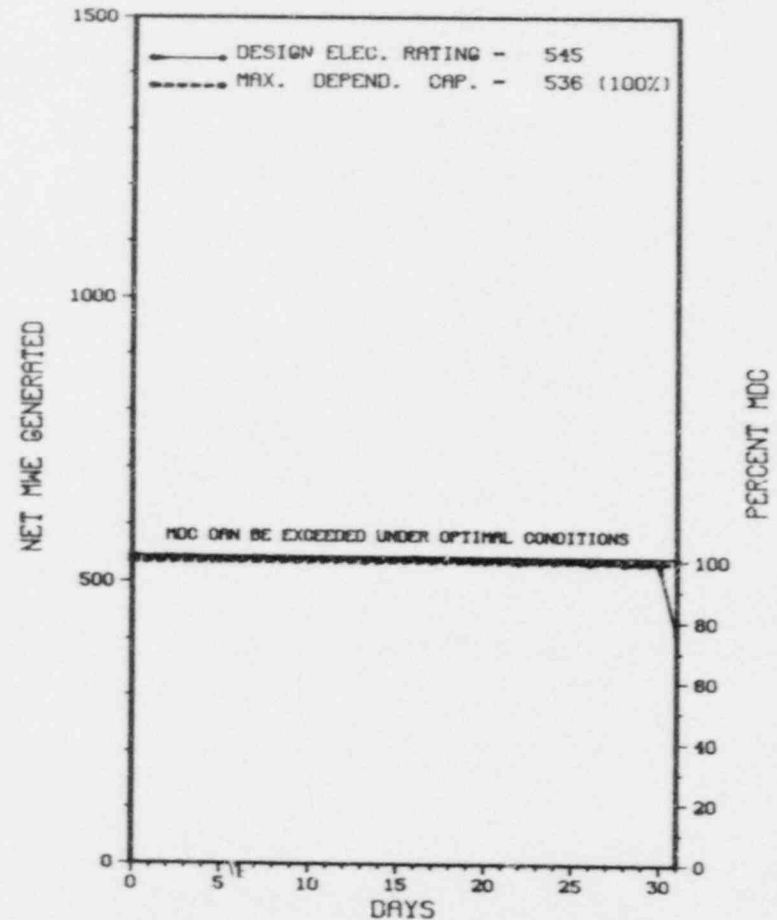
NONE

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

 * MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & C	Action to Prevent Recurrence
2	05/31/88	F	0.0	B	5		SF	FDM	REDUCED POWER TO CONDENSATE DEMIN	PROCESS AND PAIR FEEDWATER

 * SUMMARY *

 MONTICELLO INCURRED 1 POWER REDUCTION IN MAY IN ORDER TO
 PROCESS AND PAIR FEEDWATER CONDENSATE DEMINERALIZERS.

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

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON MARCH 28-31 AND APRIL 1 (88005): 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. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED; HOWEVER, THE LICENSEE'S PERFORMANCE IN THE NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS PROGRAM INDICATES A WEAKNESS IN THE LABORATORY QUALITY ASSURANCE PROGRAM.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period MAY 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* MONTICELLO *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: 04/01/88

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>152,887.0</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>188,473,049</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>68.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>60.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>100.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>516.0</u>	<u>15,047.9</u>

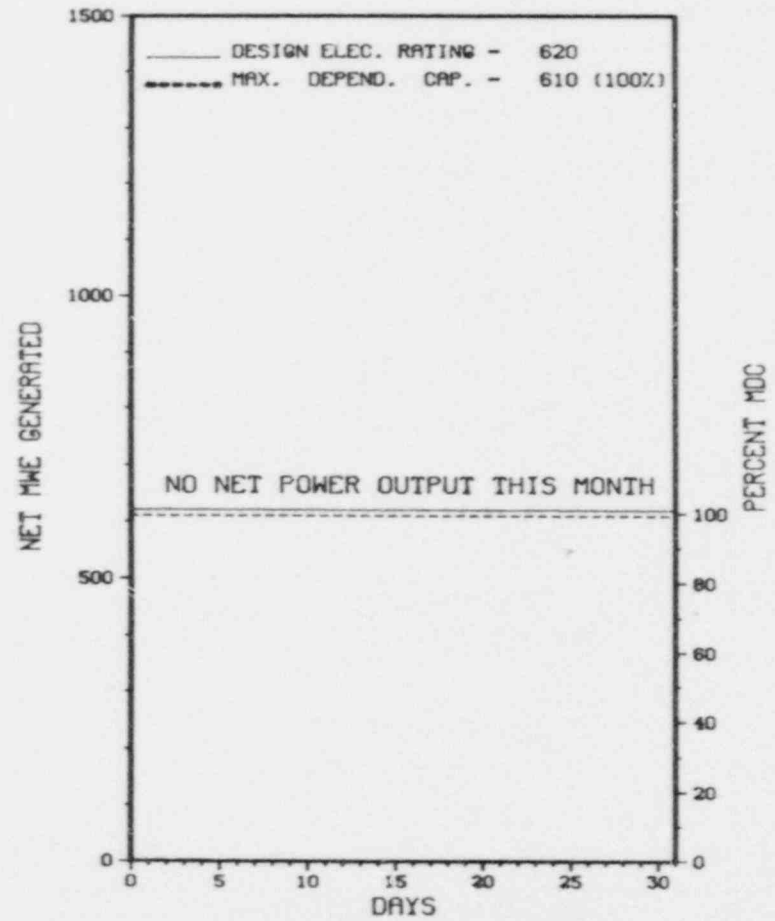
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/13/88

XX
 * NINE MILE POINT 1 *
 XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
02	01/22/88	S	744.0	C	4			THE DECISION WAS MADE TO START THE REFUEL OUTAGE SINCE THE PLANT WAS ALREADY SHUTDOWN DUE TO PROBLEMS WITH THE F.W. SYSTEM.

* SUMMARY *

NINE MILE POINT 1 REMAINED SHUTDOWN IN MAY 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)

* NINE MILE POINT 1 *

FACILITY DATA

Report Period MAY 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.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
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 MAY 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* NINE MILE POINT 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: 50-410 O P E R A T I N G S T A T U S
 2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
 3. Utility Contact: E. TOMLINSON (315) 349-2761
 4. Licensed Thermal Power (MWT): 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): _____
 11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>1,952.0</u>	<u>1,952.0</u>
13. Hours Reactor Critical	<u>51.7</u>	<u>1,075.1</u>	<u>1,075.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>2.9</u>	<u>993.9</u>	<u>993.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>7,745</u>	<u>3,188,554</u>	<u>3,188,534</u>
18. Gross Elec Ener (MWH)	<u>200</u>	<u>988,040</u>	<u>988,040</u>
19. Net Elec Ener (MWH)	<u>-12,500</u>	<u>909,350</u>	<u>909,350</u>
20. Unit Service Factor	<u>.4</u>	<u>50.9</u>	<u>50.9</u>
21. Unit Avail Factor	<u>.4</u>	<u>50.9</u>	<u>50.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>43.1</u>	<u>43.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>43.1</u>	<u>43.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.9</u>	<u>17.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>217.0</u>	<u>217.0</u>

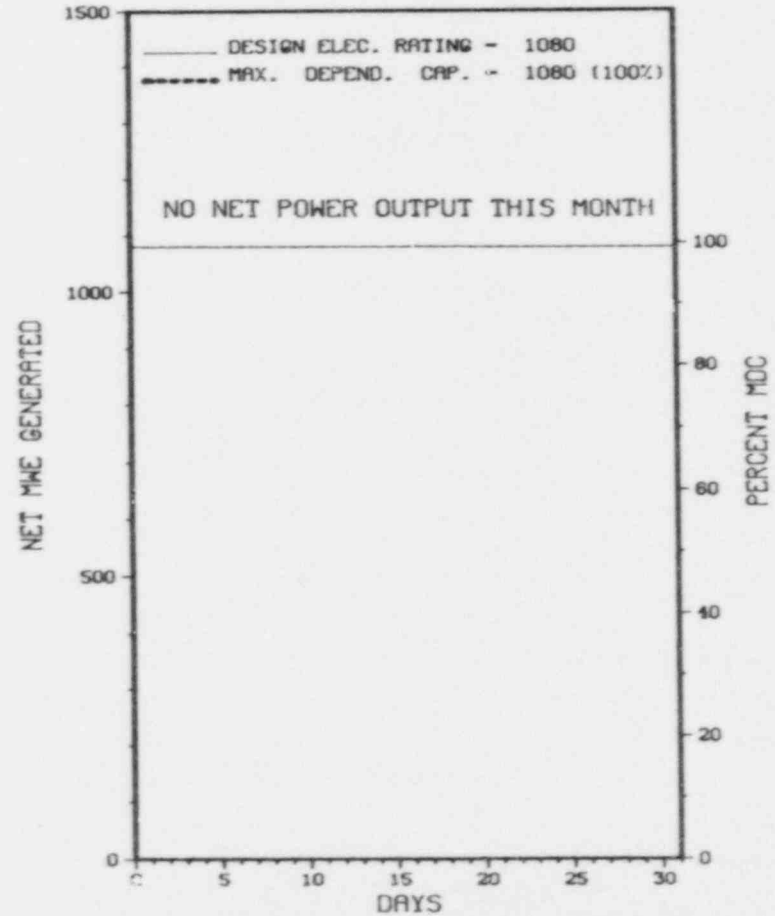
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINT/SURV - SEPTEMBER 1988 - 48 DAY DURATION.

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

 * NINE MILE POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 * NINE MILE POINT 2 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88.6	05/01/88	S	741.1	B	1				PLANNED SHUTDOWN FOR MAINTENANCE OUTAGE. EXTENDED DUE TO FAILURE OF MECHANICAL SEAL ON 'A' RECIRC PUMP.

XXXXXXXXXXXX NINE MILE POINT 2 SHUTDOWN IN MAY FOR 21-DAY MAINTENANCE OUTAGE.
 * SUMMARY *
 XXXXXXXXXXXXXXX EXTENDED BEC'USE OF FAULTY SEAL ON RECIRC PUMP.

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

* NINE MILE POINT 2 *

FACILITY DATA

Report Period MAY 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...MARCH 11, 1988
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 NUMBER.....50-410
LICENSE & DATE ISSUANCE...NPF-69, JULY 2, 1987
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2325

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 MAY 1988

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

* NINE MILE POINT 2 *

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

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1. Docket: 50-358 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2.25

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>3,647.0</u>	<u>87,552.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,921.8</u>	<u>60,353.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>148.6</u>	<u>5,706.6</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,761.5</u>	<u>58,530.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,151,124</u>	<u>7,731,125</u>	<u>153,907,899</u>
18. Gross Elec Ener (MWH)	<u>715,759</u>	<u>2,565,449</u>	<u>50,469,337</u>
19. Net Elec Ener (MWH)	<u>679,431</u>	<u>2,433,865</u>	<u>47,728,459</u>
20. Unit Service Factor	<u>100.0</u>	<u>75.7</u>	<u>66.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>75.7</u>	<u>66.9</u>
22. Unit Cap Factor (MDC Net)	<u>99.8</u>	<u>72.9</u>	<u>59.6</u>
23. Unit Cap Factor (DER Net)	<u>100.7</u>	<u>73.6</u>	<u>60.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.8</u>	<u>15.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>771.7</u>	<u>10,593.2</u>

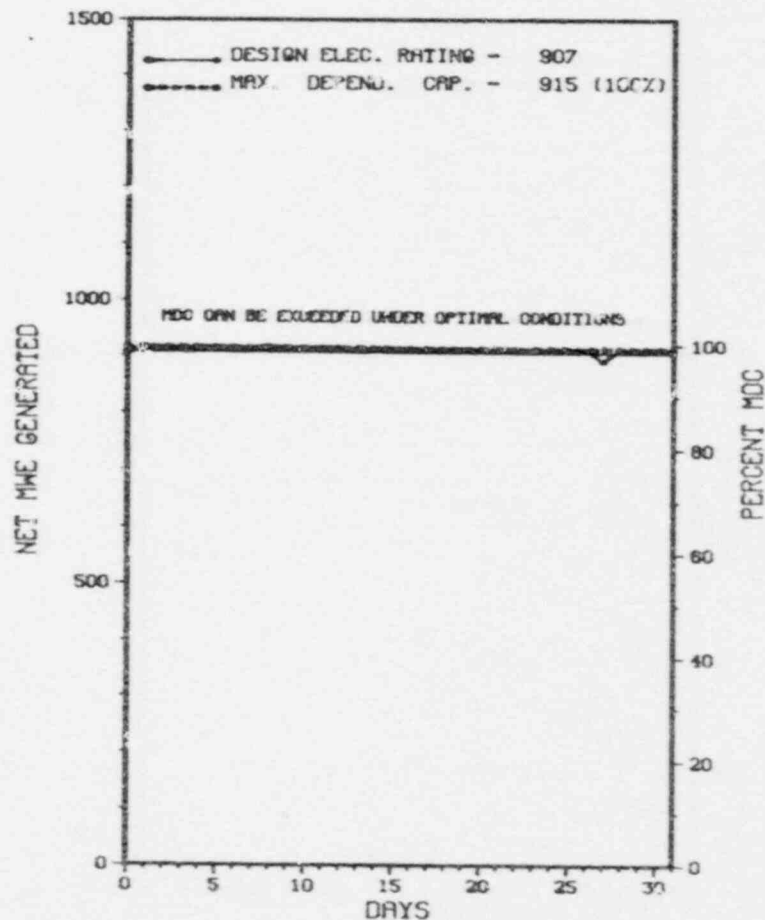
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 1 *

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

* SUMMARY *

NORTH ANNA 1 OPERATED ROUTINELY IN MAY WITH NO OUTAGES OR
SIGNIFICANT REDUCTIONS IN POWER.

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

* NORTH ANNA 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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 EMER 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
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.....50-330
LICENSE & DATE ISSUANCE...NPF-4, APRIL , 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 MARCH 21-25 (88-07): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; BARRIERS - VITAL AREAS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND CONTINGENCY PLAN RESPONSE. ONE VIOLATION AND ONE INSPECTOR FOLLOW-UP ITEM WERE IDENTIFIED. VIOLATION 88-07-01 INADEQUATE PROTECTED AREA ALARM ZONES IFI 88-07-02 TAMPER CIRCUITS TO BE REWIRED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ COLD SHUTDOWN FOR RESIN CLEANUP.

LAST IE SITE INSPECTION DATE: MARCH 21-25, 1988 +

INSPECTION REPORT NO: 50-338/88-07 +

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
88-011	03/11/88	04/07/88	POST MODIFICATION TESTING NOT PERFORMED AS REQUIRED BY TWO TECHNICAL SPECIFICATIONS
88-012	03/15/88	04/08/88	LOSS OF RHR CAPABILITY DUE TO FAILED SOLENOID OPERATED VALVE
88-013	03/19/88	04/14/88	TURBINE TRIP/REACTOR TRIP - EHC SYSTEM MALFUNCTION
88-014	03/18/88	04/15/88	REACTOR TRIP DUE TO "C" S/G LEVEL SIGNAL
88-015	03/22/88	04/14/88	RHR PUMPS NOT TESTED DURING STEAM GENERATOR TUBE RUPTURE OUTAGE
88-017	02/16/88	04/14/88	FAILURE TO TEST CONTAINMENT PERSONNEL AIRLOCK EQUALIZING VALVES

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1. Docket: 50-339 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>65,423.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,597.9</u>	<u>52,058.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>49.1</u>	<u>4,093.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,571.2</u>	<u>50,999.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,150,869</u>	<u>10,292,503</u>	<u>134,615,257</u>
18. Gross Elec Ener (MWH)	<u>717,653</u>	<u>3,429,055</u>	<u>44,656,236</u>
19. Net Elec Ener (MWH)	<u>681,297</u>	<u>3,259,758</u>	<u>42,318,116</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.9</u>	<u>78.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.9</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>97.7</u>	<u>70.7</u>
23. Unit Cap Factor (DER Net)	<u>101.0</u>	<u>98.5</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.6</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):

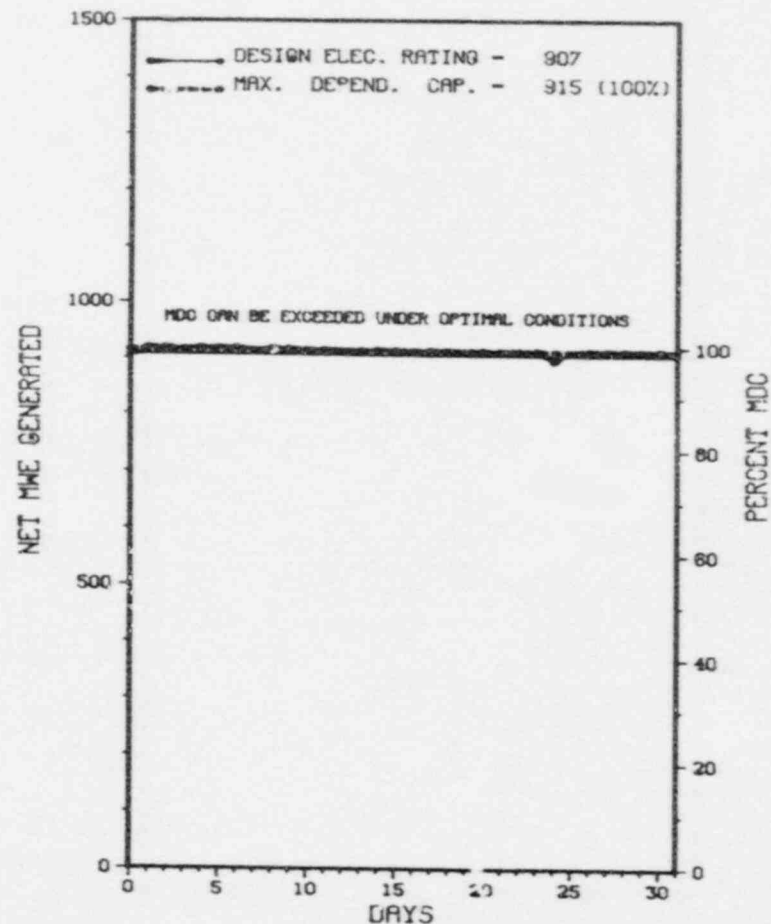
REFUELING OUTAGE - 11/04/88.

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 2 *

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

NONE

* SUMMARY *

NORTH ANNA 2 OPERATED ROUTINELY IN MAY 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)

* NORTH ANNA 2 *

FACILITY DATA

Report Period MAY 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
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901

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

INSPECTION SUMMARY

+ INSPECTION MARCH 21-25 (88-07): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; BARRIERS - VITAL AREAS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND CONTINGENCY PLAN RESPONSE. ONE VIOLATION AND ONE INSPECTOR FOLLOW-UP ITEM WERE IDENTIFIED. VIOLATION 88-07-01 INADEQUATE PROTECTED AREA ALARM ZONES IFI 88-07-02 TAMPER CIRCUITS TO BE REWIRED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>130,416.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>96,956.3</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>3,647.0</u>	<u>93,344.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,913,664</u>	<u>9,203,472</u>	<u>225,688,537</u>
18. Gross Elec Ener (MWH)	<u>657,456</u>	<u>3,178,758</u>	<u>78,286,415</u>
19. Net Elec Ener (MWH)	<u>628,092</u>	<u>3,039,377</u>	<u>74,250,482</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>99.8</u>	<u>98.5</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>95.2</u>	<u>94.0</u>	<u>64.8*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,514.7</u>

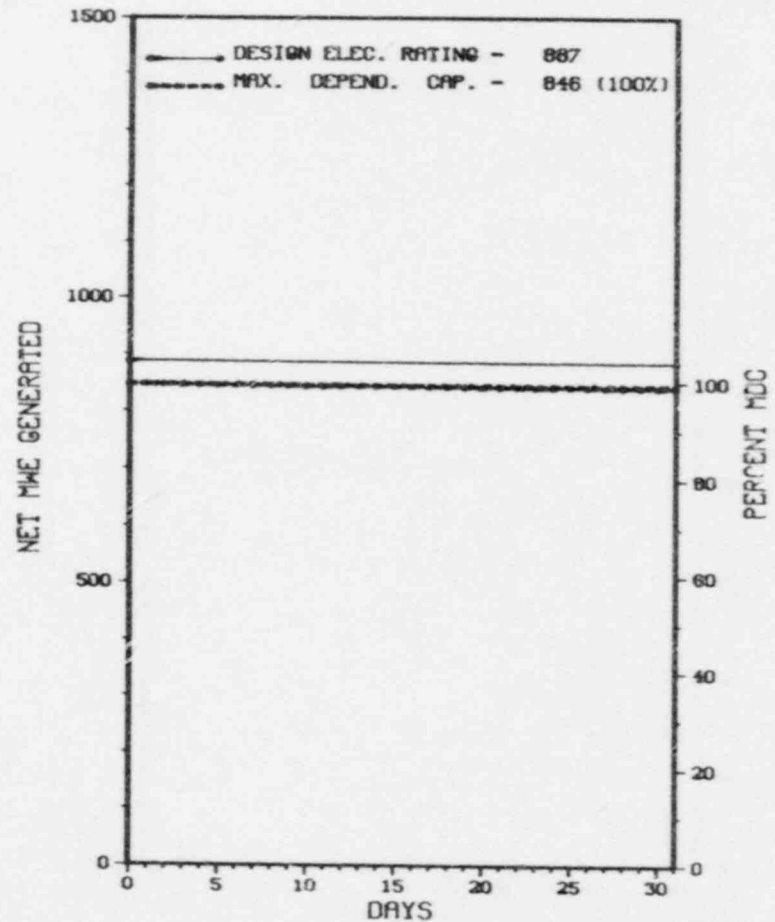
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* O C O N E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

O C O N E E 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 1 *

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

NONE

* SUMMARY *

OCONEE 1 OPERATED ROUTINELY IN MAY 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)

 * OCONEE *

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

Report Period MAY 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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 21-25 (88-10): THIS UNANNOUNCED, ROUTINE, PHYSICAL SECURITY INSPECTION EXAMINED THE AREAS OF: SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. ONE VIOLATION WAS IDENTIFIED INVOLVING TWO EXAMPLES OF FAILURE TO MAINTAIN THE VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE. SECOND VIOLATION IDENTIFIED INVOLVED FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE AT THE CAS.
 (8801 4)
 FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.
 (8801 5)

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>120,336.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,080.3</u>	<u>90,777.0</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>1,981.2</u>	<u>89,274.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,898,256</u>	<u>4,617,480</u>	<u>212,257,581</u>
18. Gross Elec Ener (MWH)	<u>647,218</u>	<u>1,553,003</u>	<u>72,235,684</u>
19. Net Elec Ener (MWH)	<u>620,500</u>	<u>1,469,315</u>	<u>68,666,633</u>
20. Unit Service Factor	<u>100.0</u>	<u>54.3</u>	<u>74.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>54.3</u>	<u>74.2</u>
22. Unit Cap Factor (MDC Net)	<u>98.6</u>	<u>47.6</u>	<u>66.2*</u>
23. Unit Cap Factor (DER Net)	<u>94.0</u>	<u>45.4</u>	<u>64.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.0</u>	<u>11.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>62.1</u>	<u>11,025.1</u>

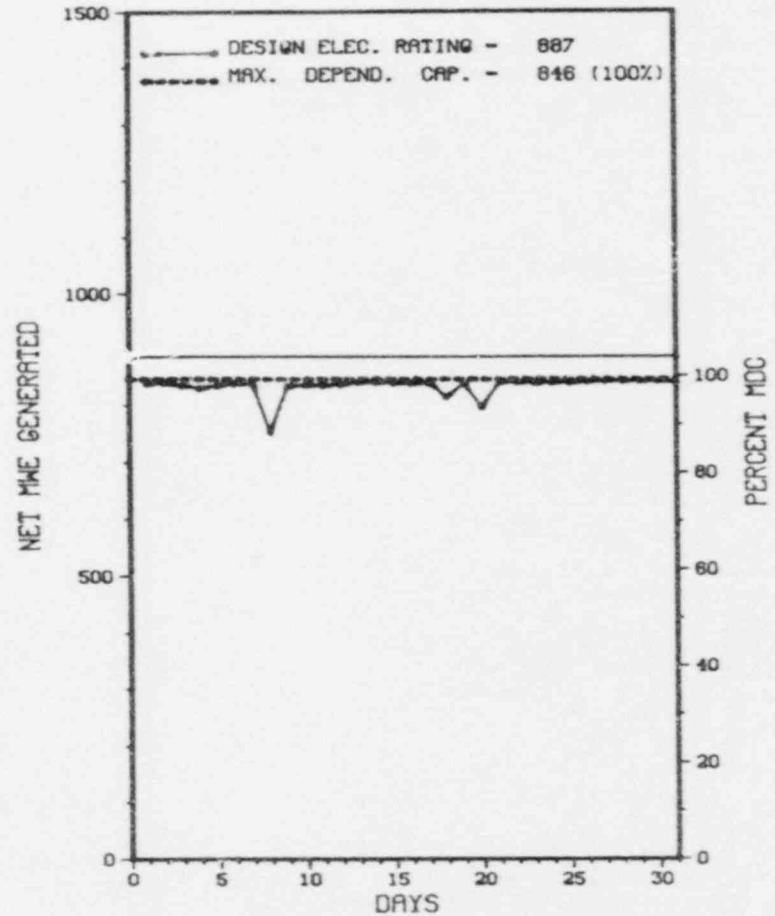
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15-P	05/08/88	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCTION PER DISPATCHER REQUEST.
16-P	05/18/88	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCTION PER DISPATCHER REQUEST.
17-P	05/18/88	F	0.0	A	5		HJ	PUMPXX	PROBLEMS STARTING 'E' HEATER DRAIN PUMPS.
13-P	05/19/88	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCTION PER DISPATCHER REQUEST.

 * SUMMARY *

 OCONEE 2 INCURRED 4 REDUCTIONS IN POWER IN MAY FOR REASONS STATED ABOVE.

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

* OCONEE 2 *

FACILITY DATA

Report Period MAY 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 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.....50-270
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 MARCH 21-25 (88-10): THIS UNANNOUNCED, ROUTINE, PHYSICAL SECURITY INSPECTION EXAMINED THE AREAS OF: SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; A ARM STATION; AND COMMUNICATIONS. ONE VIOLATION WAS IDENTIFIED INVOLVING TWO EXAMPLES OF FAILURE TO MAINTAIN THE VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE. SECOND VIOLATION IDENTIFIED INVOLVED FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE AT THE CAS.
(8801 4)

FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.

(8801 5)

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 05/01/88 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

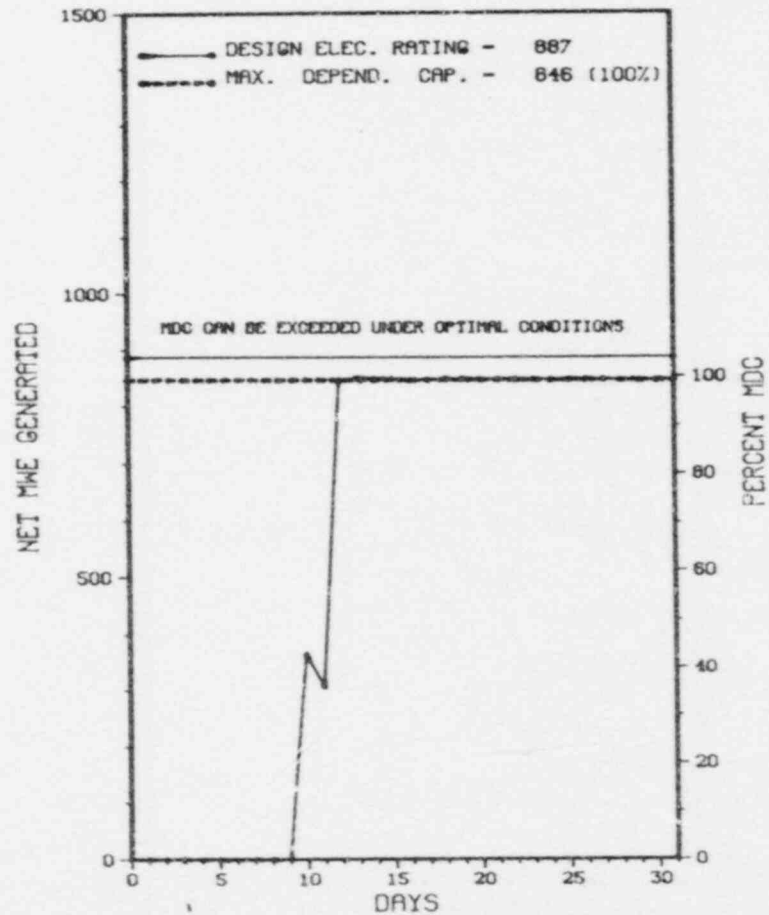
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>117,983.0</u>
13. Hours Reactor Critical	<u>536.7</u>	<u>3,130.7</u>	<u>86,479.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>529.6</u>	<u>3,123.4</u>	<u>85,109.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,326,312</u>	<u>7,806,312</u>	<u>208,705,773</u>
18. Gross Elec Ener (MWH)	<u>453,917</u>	<u>2,699,368</u>	<u>71,909,913</u>
19. Net Elec Ener (MWH)	<u>430,659</u>	<u>2,582,048</u>	<u>68,510,678</u>
20. Unit Service Factor	<u>71.2</u>	<u>85.6</u>	<u>72.1</u>
21. Unit Avail Factor	<u>71.2</u>	<u>85.5</u>	<u>72.1</u>
22. Unit Cap Factor (MDC Net)	<u>68.4</u>	<u>83.7</u>	<u>67.4*</u>
23. Unit Cap Factor (DER Net)	<u>65.3</u>	<u>79.8</u>	<u>65.5*</u>
24. Unit Forced Outage Rate	<u>28.8</u>	<u>14.4</u>	<u>13.2</u>
25. Forced Outage Hours	<u>214.4</u>	<u>523.6</u>	<u>13,148.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - AUGUST 2, 1988 - 7 WEEK DURATION.

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 3



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/01/88	F	96.1	B	1		CH	HTEXCH	STEAM GENERATOR TUBE LEAK OUTAGE.
2	05/05/88	F	95.0	A	2		CB	PUMPXX	UNISOLATABLE REACTOR COOLANT LEAK - REACTOR COOLANT PUMP SEAL LINE PIPE WELD REPAIR.
3	05/08/88	F	19.3	A	2		HA	XXXXXX	REPLACEMENT OF 'D2P' REGULATOR POTENTIOMETER ON EXCITER.
4	05/09/88	F	4.0	A	2		EA	CKTBKR	SWITCHYARD CIRCUIT BREAKERS (PCB 58 & 59) WOULD NOT CLOSE IN (INTERLOCK PROBLEM).
7-P	05/10/88	F	0.0	A	5		MA	ACCUMU	POWER HOLD DUE TO UNAVAILABLE STORAGE FOR '3A' BORIC ACID HOLDUP TANK FEED & BLEED.

 * SUMMARY *

 OCONEE 3 ENTERED MAY SHUTDOWN AND SUBSEQUENTLY INCURRED 3 OUTAGES AND 1 REDUCTION 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-3161)

* OCONEE 3 *

FACILITY DATA

Report Period MAY 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 MARCH 21-25 (88-10): THIS UNANNOUNCED, ROUTINE, PHYSICAL SECURITY INSPECTION EXAMINED THE AREAS OF: SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. ONE VIOLATION WAS IDENTIFIED INVOLVING TWO EXAMPLES OF FAILURE TO MAINTAIN THE VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE. SECOND VIOLATION IDENTIFIED INVOLVED FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN VITAL AREA BARRIER INTEGRITY AND BULLET RESISTANCE AT THE CAS.
(8801 4)
FAILURE TO COMPLY WITH PROTECTED AREA ACCESS REQUIREMENTS.
(8801 5)

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 05/01/88 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): 642

8. Maximum Dependable Capacity (Net MWe): 620

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

MDC GROSS CHANGED TO REFLECT SUMMER GENERATION.

10. 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>3,647.0</u>	<u>161,639.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>104,798.5</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>3,647.0</u>	<u>101,438.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,761.4</u>
17. Gross Therm Ener (MWH)	<u>1,408,000</u>	<u>6,924,000</u>	<u>169,688,408</u>
18. Gross Elec Ener (MWH)	<u>474,660</u>	<u>2,374,430</u>	<u>57,292,784</u>
19. Net Elec Ener (MWH)	<u>457,540</u>	<u>2,289,384</u>	<u>55,012,272</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>62.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>63.8</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>101.2</u>	<u>54.9*</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>96.6</u>	<u>52.4</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>14,446.5</u>

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

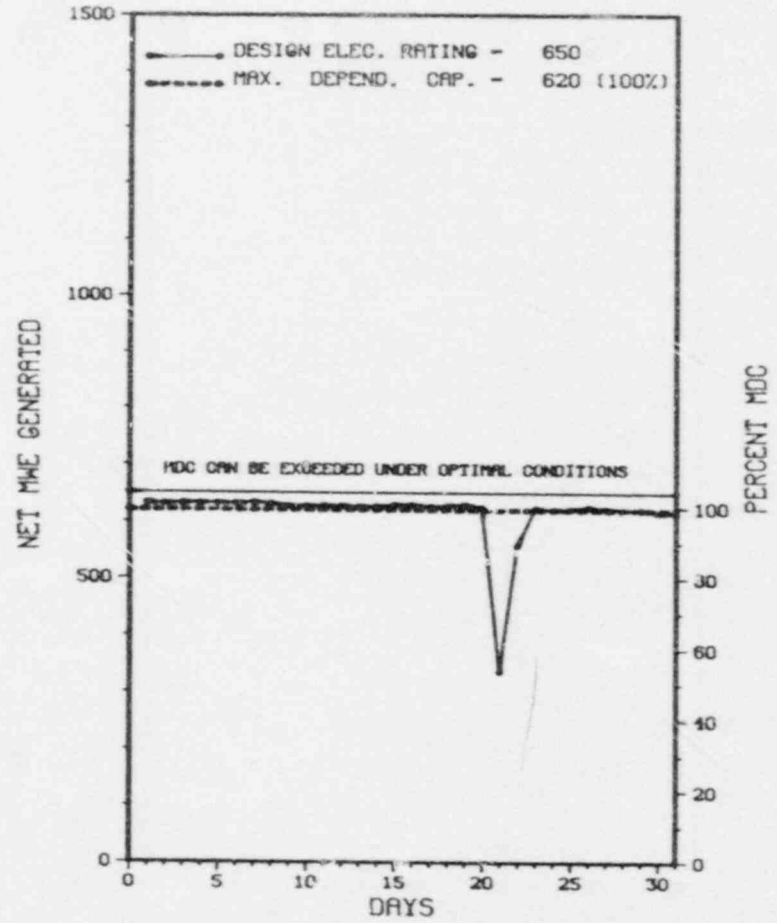
REFUELING-10/01/88-DURATION 90 DAYS.

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	05/21/88	S	0.0	B	5			POWER REDUCTION TO ACCOMMODATE A MSIV FULL CLOSURE TEST.

* SUMMARY *

OYSTER CREEK 1 INCURRED ONE SCHEDULED LOAD REDUCTION DURING
MAY FOR MSIV FULL CLOSURE 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)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period MAY 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.....1
IE RESIDENT INSPECTOR.....J. WECHSELBERG
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

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 MAY 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: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. C. PACKARD (616) 764-8913

4. Licensed Thermal Power (Mwt): 2530

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

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 770

8. Maximum Dependable Capacity (Net MWe): 730

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

10. 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>3,647.0</u>	<u>144,206.0</u>
13. Hours Reactor Critical	<u>722.7</u>	<u>2,937.2</u>	<u>76,954.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>715.4</u>	<u>2,897.4</u>	<u>73,164.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,731,336</u>	<u>6,821,472</u>	<u>154,009,389</u>
18. Gross Elec Ener (MWH)	<u>554,590</u>	<u>2,199,865</u>	<u>48,110,385</u>
19. Net Elec Ener (MWH)	<u>525,784</u>	<u>2,083,471</u>	<u>45,300,505</u>
20. Unit Service Factor	<u>96.2</u>	<u>79.4</u>	<u>50.7</u>
21. Unit Avail Factor	<u>96.2</u>	<u>79.4</u>	<u>50.7</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>78.3</u>	<u>43.0</u>
23. Unit Cap Factor (DER Net)	<u>87.8</u>	<u>71.0</u>	<u>39.0</u>
24. Unit Forced Outage Rate	<u>3.8</u>	<u>20.6</u>	<u>35.4</u>
25. Forced Outage Hours	<u>28.6</u>	<u>749.6</u>	<u>26,009.1</u>

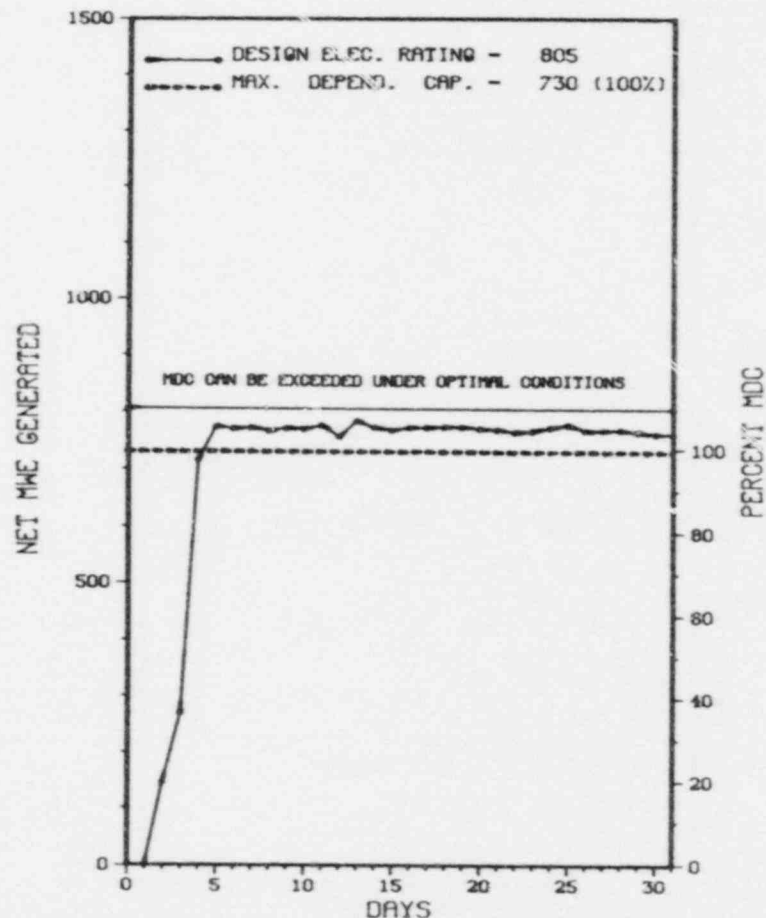
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-SEPTEMBER 9, 1988, 86 DAY DURATION.

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

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	04/27/88	F	28.6	A	4				CONTROL ROD NO. 6 DROPPED INTO THE CORE DUE TO FAILURE OF CRDM NO. 6.

* SUMMARY *

PALISADES ENTERED MAY IN A FORCED OUTAGE. SUBSEQUENTLY,
RETURNED TO POWER AND OPERATED ROUTINELY DURING THE
REMAINDER OF THE MONTH.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X PALISADES X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period MAY 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 EMER 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 APRIL 11-15 (88009): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: ACTIVATIONS OF THE EMERGENCY PLAN; LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; REVIEW OF EMERGENCY FACILITIES/EQUIPMENT AND REQUIRED DRILLS; ORGANIZATION AND MANAGEMENT CONTROL; TRAINING, INCLUDING INTERVIEWS/WALKTHROUGHS OF KEY EMERGENCY RESPONSE PERSONNEL; AND EXAMINATIONS OF INDEPENDENT REVIEWS/AUDITS OF THE EMERGENCY PREPAREDNESS PROGRAM. THE INSPECTION INVOLVED TWO NRC INSPECTORS. NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

10 CFR 50.59 REQUIRES THAT A SAFETY EVALUATION BE PERFORMED FOR CHANGES MADE IN THE FACILITY, AS DESCRIBED IN THE FSAR AND THAT THE BASES BE DOCUMENTED FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION (URSQ). OTHERWISE, PRIOR COMMISSION APPROVAL IS REQUIRED. CONTRARY TO THE ABOVE, IN 1982 THE LICENSEE IDENTIFIED A DISCREPANCY BETWEEN THE FSAR DESCRIPTION OF CONTAINMENT PENETRATION NUMBER 33 AND THE EXISTING METHOD OF SATISFYING A TECHNICAL SPECIFICATION (TS) SURVEILLANCE REQUIREMENT AND DID NOT IDENTIFY THE ISSUE AS AN URSQ. SUBSEQUENT INTENTIONS TO MODIFY THE PENETRATION OR SUBMIT A TS CHANGE REQUEST WERE DROPPED WITHOUT PROPER REVIEW. TECHNICAL SPECIFICATION 6.8.1.C REQUIRES THAT SURVEILLANCE AND TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT BE IMPLEMENTED AND MAINTAINED. SURVEILLANCE PROCEDURE MI-39 TESTS THE AUXILIARY FEEDWATER ACTUATION SYSTEM LOGIC IN ACCORDANCE WITH TECHNICAL SPECIFICATION 4.1.3.16. CONTRARY TO THE ABOVE, I&C TECHNICIANS PERFORMING TECHNICAL

ENFORCEMENT SUMMARY

SPECIFICATION SURVEILLANCE MI-39 ON APRIL 4, 1988, DID NOT IMPLEMENT THE PROCEDURE WHEN THEY DID NOT OBTAIN THE REQUIRED LOGIC CHANNEL TRIP INDICATIONS DUE TO INCORRECT TEST PERFORMANCE, AND YET THEY SIGNED THE DATA SHEET BELIEVING THEY HAD PROPERLY COMPLETED THE SURVEILLANCE TEST. TECHNICAL SPECIFICATIONS PARAGRAPH 6.5 STATES IN PART THAT "DETAILED WRITTEN PROCEDURES SHALL BE PREPARED AND FOLLOWED." AND PARAGRAPH 6.5.A.1 STATES AMONG OTHERS ". . . . PROCEDURES FOR NORMAL STARTUP. . . ." CONTRARY TO THE ABOVE, ON MARCH 13, 1988, STEP 5.21 IN STARTUP PROCEDURE C1.2 WAS INADVERTENTLY OMITTED. THIS IS A LEVEL IV VIOLATION, HOWEVER, CORRECTIVE ACTION WAS IMMEDIATELY TAKEN AND THIS VIOLATION MEETS THE TESTS OF 10 CFR 2. APPENDIX C, SECTION VA. THEREFORE NO NOV WILL BE ISSUED AND THIS MATTER IS CLOSED. 10 CFR 50, APPENDIX B, CRITERION V AND SMUD PROCEDURE QAP-17, DETERMINING MATERIAL CONTROL REQUIRED THE DOCUMENTATION AND DISPOSITION OF NONCONFORMING TEST. SMUD TEST, STP 961 LOSS OF OFFER POWER, WAS RUN ON FEBRUARY 28, 1988, AND A PORTION OF THE TEST FAILED IN THAT THE A2 EMERGENCY DIESEL GENERATOR FAILED TO HOLD START. (88014)

OTHER INFO

SYSTEMS WITH MAJOR PROBLEMS:

NONE

FAULT TREE ANALYSES AND PROCEDURES:

REFERENCE TO REPORT FOR 9/6/88

MANAGEMENT SYSTEMS:

NONE

PLANT STATUS:

OPERATED AT 100% ENTIRE MONTH.

LAST IE SITE INSPECTION DATE: 05/05/88

INSPECTION REPORT NO: 88013

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	042988	053188	PROCEDURAL INADEQUACY RESULTS IN AUXILIARY FEEDWATER ACTUATION SYSTEM ACTUATION

1. Docket: 50-528 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. L. HULL (602) 393-2679

4. Licensed Thermal Power (MWT): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 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>3,648.0</u>	<u>20,520.0</u>
13. Hours Reactor Critical	<u>642.8</u>	<u>1,858.8</u>	<u>11,836.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>634.9</u>	<u>1,777.2</u>	<u>11,494.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,371,300</u>	<u>6,339,129</u>	<u>41,371,966</u>
18. Gross Elec Ener (MWH)	<u>828,900</u>	<u>2,216,200</u>	<u>14,359,500</u>
19. Net Elec Ener (MWH)	<u>781,478</u>	<u>2,070,336</u>	<u>13,398,450</u>
20. Unit Service Factor	<u>85.3</u>	<u>48.7</u>	<u>56.0</u>
21. Unit Avail Factor	<u>85.3</u>	<u>48.7</u>	<u>56.0</u>
22. Unit Cap Factor (MDC Net)	<u>86.0</u>	<u>46.5</u>	<u>53.5</u>
23. Unit Cap Factor (DER Net)	<u>82.7</u>	<u>44.7</u>	<u>51.4</u>
24. Unit Forced Outage Rate	<u>14.7</u>	<u>47.2</u>	<u>33.8</u>
25. Forced Outage Hours	<u>109.1</u>	<u>1,586.3</u>	<u>5,858.0</u>

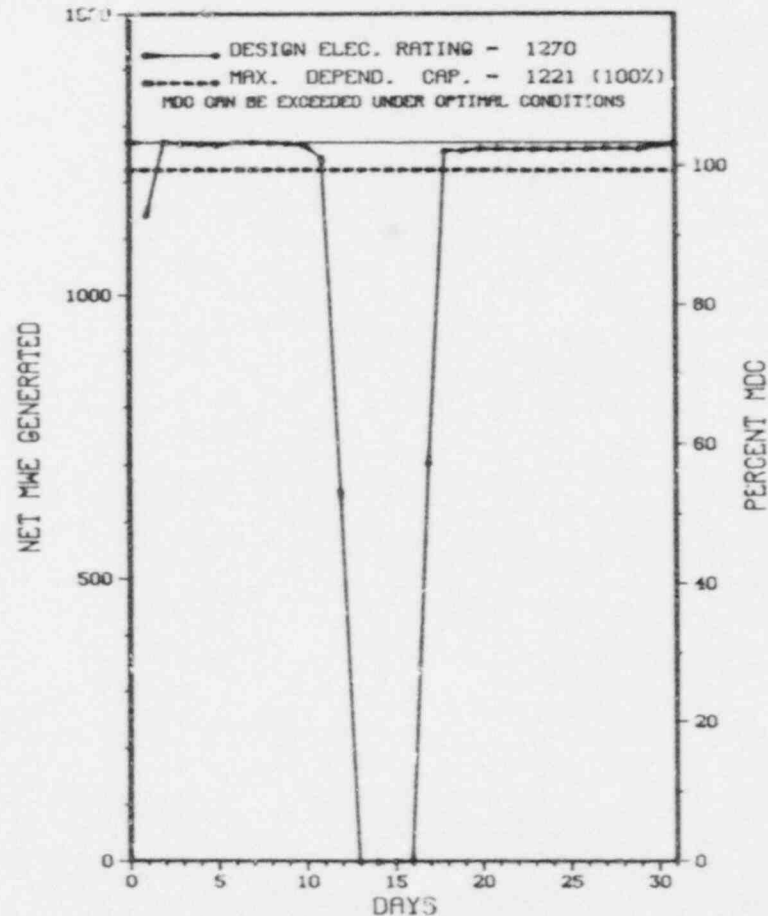
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLO.

PALO VERDE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	05/12/88	F	38.3	A	3	1-88-015	JC	JX	REACTOR TRIP RESULTING FROM A DEFECTIVE POWER SUPPLY. THE POWER SUPPLY WAS REPLACED AND AN EFFORT IS UNDERWAY TO REPLACE SIMILAR POWER SUPPLIES WITH A MORE RELIABLE MODEL.
6	05/14/88	F	70.8	F	7	1-88-016			REACTOR TRIP OCCURRED DURING A REACTOR STARTUP WHEN AN AUXILIARY TRIP WAS GENERATED BY THE CORE PROTECTION CALCULATORS WHEN THE INTEGRATED RADIAL PEAKING FACTOR EXCEEDED ALLOWABLE LIMITS.

***** PALO VERDE 1 INCURRED TWO FORCED OUTAGES DURING MAY AS
 * SUMMARY * DISCUSSED ABOVE.

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

* PALO VERDE 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA
COUNTY.....MARICOPA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MT 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.....59-528
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 MARCH 6 - APRIL 16, 1988 (REPORT NO. 59-528/88-10) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: REVIEW OF PLANT ACTIVITIES; PLANT TOURS; OPERATING LOGS AND RECORDS; MONITORING INSTRUMENTATION; SHIFT MANNING; EQUIPMENT LINEUPS; EQUIPMENT TAGGING; GENERAL PLANT EQUIPMENT CONDITIONS; FIRE PROTECTION; PLANT CHEMISTRY; SECURITY, PLANT HOUSEKEEPING, RADIATION PROTECTION CONTROLS, AND CONTROL ROOM ANNUNCIATORS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; INITIAL CRITICALITY AND LOW POWER PHYSICS TESTING FOLLOWING REFUELING OUTAGE; AUXILIARY FEEDWATER PUMP FAILURE; REFUELING ACTIVITIES; INTEGRATED SAFEGUARDS TESTING; INSERVICE INSPECTION; PIPING SUPPORT AND RESTRAINT SYSTEMS; OPERATIONS SUPPORT; INFORMATION NOTICE 87-34; WORK CONTROL; 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 APRIL 6 - 8, 1988 (REPORT NO. 59-528/88-12) AREAS INSPECTED: A SPECIAL ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS OF THE POST-ACCIDENT MONITORING SYSTEM AT THE PALO VERDE NUCLEAR GENERATING STATION UNIT 1. THIS INSPECTION ASSESSED THE CONFORMANCE OF PALO VERDE TO COMMITMENTS MADE TO REGULATORY GUIDE 1.97, REVISION 2. THIS REPORT ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM ISSUE NUMBER 67.3.3. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, ONE DEVIATION WAS IDENTIFIED.

Report Period MAY 1988

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

XX
X PALO VERDE 1 X
XX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-27-LO	07-28-87	01-05-88	CS PUMP SURV MISSED DUE TO PROCEDURE ERROR.
88-01-LO	01-04-88	02-03-88	SPECIAL REPORT SUBMITTED LATE FOR SEISMIC INSTRUMENTS BEING INOPERABLE.
88-02-LO	01-22-88	04-18-88	NONCONSERVATIVE SETPOINTS ON HI LOG POWER TRIP.
88-03-LO	01-16-88	02-16-88	CURRENT TRANSFORMER FAILURE CAUSES LOSS OF PWR TO UNITS 1 AND 2
88-04-LO	02-29-88	03-30-88	MODE 4 ENTRY IN HPSI INOPERABLE.
88-05-LO	01-23-88	02-19-88	FIRE WATER LOOP INOPERABLE - FIRE WATCH LATE.
88-06-LO	03-20-88	04-19-88	SURVEILLANCE INTERVAL EXCEEDED FOR INCORES.
88-07-LO	02 1-88	03-11-88	SURVEILLANCE PERFORMED LATE DUE TO PERSONNEL ERROR.

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1. Docket: 50-529 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. L. HULL (602) 393-2679

4. Licensed Thermal Power (Mwt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 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	YTD	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,618.0</u>	<u>14,904.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,202.0</u>	<u>10,477.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,202.0</u>	<u>10,328.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,508,600</u>	<u>37,715,767</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,588,100</u>	<u>13,249,370</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,437,775</u>	<u>12,424,657</u>
20. Unit Service Factor	<u>.0</u>	<u>32.9</u>	<u>69.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>32.9</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>33.4</u>	<u>68.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>32.1</u>	<u>65.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>637.1</u>

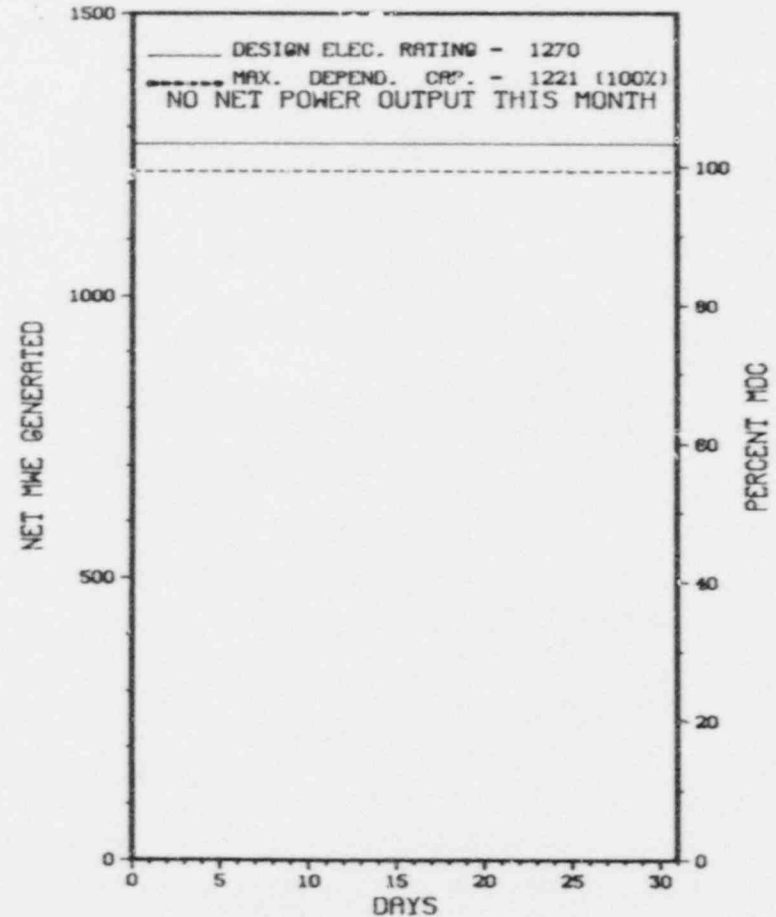
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/20/88

* PALO VERDE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/20/88	S	744.0	C	4				REFUELING OUTAGE UNDERWAY.

***** PALO VERDE 2 REMAINED SHUTDOWN FOR SCHEDULED REFUELING DURING MAY.
* 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		

* PALO VERDE 2 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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...APRIL 18, 1986
DATE ELEC ENER 1ST GENER...MAY 20, 1986
DATE COMMERCIAL OPEP...TE...SEPTEMBER 19, 1986
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...SEWAGE TREATMENT
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE
CORPCRATE 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.....Y. POLICH
LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-529
LICENSE & DATE ISSUANCE....NPF-51, APRIL 24, 1986
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 MARCH 6 - APRIL 16, 1988 (REPORT NO. 50-529/88-10) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: REVIEW OF PLANT ACTIVITIES; PLANT TOURS; OPERATING LOGS AND RECORDS; MONITORING INSTRUMENTATION; SHIFT MANNING; EQUIPMENT LINEUPS; EQUIPMENT TAGGING; GENERAL PLANT EQUIPMENT CONDITIONS; FIRE PROTECTION; PLANT CHEMISTRY; SECURITY, PLANT HOUSEKEEPING, RADIATION PROTECTION CONTROLS, AND CONTROL ROOM ANNUNCIATORS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; INITIAL CRITICALITY AND LOW POWER PHYSICS TESTING FOLLOWING REFUELING OUTAGE; AUXILIARY FEEDWATER PUMP FAILURE; REFUELING ACTIVITIES; INTEGRATED SAFEGUARDS TESTING; INSERVICE INSPECTION; PIPING SUPPORT AND RESTRAINT SYSTEMS; OPERATIONS SUPPORT; INFORMATION NOTICE 87-34; WORK CONTROL; 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 APRIL 4 - 8, 1988 (REPORT NO. 50-529/88-13) AREAS INSPECTED: A SPECIAL ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS OF THE POST-ACCIDENT MONITORING SYSTEM AT THE PALO VERDE NUCLEAR GENERATING STATION, UNIT 2. THIS INSPECTION ASSESSED THE CONFORMANCE OF PALO VERDE TO COMMITMENTS MADE TO REGULATORY GUIDE 1.97, REVISION 2. THIS REPORT ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM ISSUE NUMBER 67.3.3. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1988

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

* PALO VERDE 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-02-L0	01-16-88	02-16-88	SECTION XI SURVEILLANCE INTERVAL EXCEEDED
88-03-L0	01-20-88	02-16-88	OFFSITE PWR NOT VERIFIED WITHIN ONE HR OF REMOVING DIESEL FROM SERVICE
88-03-X0	03-24-88	04-22-88	GAS EFFLUENT MONITORS RU-145/146 00S>72 HRS-PASP IMPLEMENTED (SPECIAL REPORT)
88-04-L0	02-20-88	03-11-88	AFW PUMP AFN-P01 INOPERABLE
88-05-L0	02-21-88	02-26-88	INADVERTENT SI
88-08-L0	03-19-88	04-07-88	FUEL POOL AREA MONITOR RU-31 TRIPPED

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1. Docket: 50-530 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J.M. COLVILLE 602-393-2679

4. Licensed Thermal Power (MWT): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 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>744.0</u>	<u>3,480.0</u>	<u>3,480.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,480.0</u>	<u>3,480.0</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>3,480.0</u>	<u>3,480.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,813,930</u>	<u>12,945,565</u>	<u>12,945,565</u>
18. Gross Elec Ener (MWH)	<u>992,400</u>	<u>4,569,200</u>	<u>4,569,200</u>
19. Net Elec Ener (MWH)	<u>937,278</u>	<u>4,318,115</u>	<u>4,318,115</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>103.2</u>	<u>101.6</u>	<u>101.6</u>
23. Unit Cap Factor (DER Net)	<u>99.2</u>	<u>97.7</u>	<u>97.7</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):

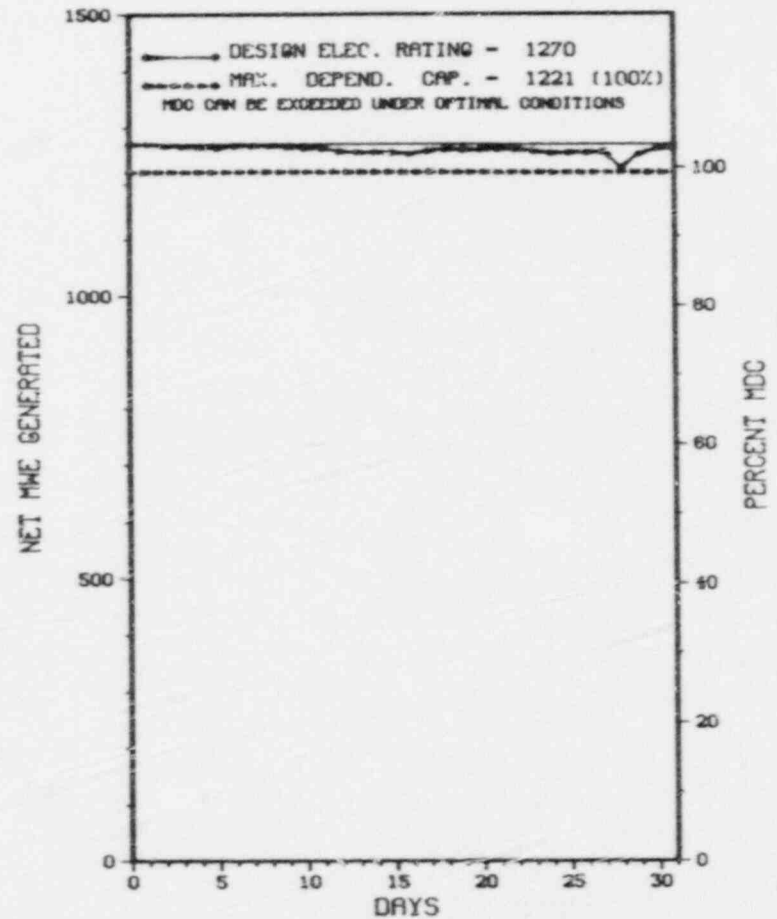
NONE

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

 * PALO VERDE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* PALO VERDE 3 *

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

NONE

* SUMMARY *

PALO VERDE 3 OPERATED ROUTINELY DURING MAY 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)

* PALO VERDE 3 *

FACILITY DATA

Report Period MAY 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...OCTOBER 25, 1987
DATE ELEC ENER 1ST GENER...NOVEMBER 28, 1987
DATE COMMERCIAL OPERATE...JANUARY 8, 1988
CONDENSER COOLING METHOD...COOLING TOWERS
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.....M. DAVIS
DOCKET NUMBER.....50-530
LICENSE & DATE ISSUANCE...NPF-74, NOVEMBER 25, 1987
PUBLIC DOCUMENT ROOM.....MS STEFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST McDOWELL ROAD
PHOENIX, ARIZONA 85004

INSPECTION STATS

INSPECTION SUMMARY

+ INSPECTION ON MARCH 6 - APRIL 16, 1988 (REPORT NO. 50-530/88-10) AREAS INSPECTED: ROUTINE, ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THE THREE RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED: REVIEW OF PLANT ACTIVITIES; PLANT TOURS; OPERATING LOGS AND RECORDS; MONITORING INSTRUMENTATION; SHIFT MANNING; EQUIPMENT LINEUPS; EQUIPMENT TAGGING; GENERAL PLANT EQUIPMENT CONDITIONS; FIRE PROTECTION; PLANT CHEMISTRY; SECURITY, PLANT HOUSEKEEPING, RADIATION PROTECTION CONTROLS, AND CONTROL ROOM ANNUNCIATORS; ENGINEERED SAFETY FEATURE SYSTEM WALKDOWNS; SURVEILLANCE TESTING; PLANT MAINTENANCE; INITIAL CRITICALITY AND LOW POWER PHYSICS TESTING FOLLOWING REFUELING OUTAGE; AUXILIARY FEEDWATER PUMP FAILURE; REFUELING ACTIVITIES; INTEGRATED SAFEGUARDS TESTING; INSERVICE INSPECTION; PIPING SUPPORT AND RESTRAINT SYSTEMS; OPERATIONS SUPPORT; INFORMATION NOTICE 87-34; WORK CONTROL; 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 APRIL 4 - 8, 1988 (REPORT NO. 50-530/88-12) AREAS INSPECTED: A SPECIAL ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS OF THE POST-ACCIDENT MONITORING SYSTEM AT THE PALO VERDE NUCLEAR GENERATING STATION, UNIT 3. THIS INSPECTION ASSESSED THE CONFORMANCE OF PALO VERDE TO COMMITMENTS MADE TO REGULATORY GUIDE 1.97, REVISION 2. THIS REPORT ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM ISSUE NUMBER 67.3.3. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1988

REPORTS FROM LICENSEE

* PALO VERDE 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-01-LO	02-04-88	03-04-88	PAM CONT PRESS XMTR FOUND ISOLATED
88-02-LO	01-09-88	04-21-88	1ST INTERVAL NOT ADJUSTED FOR VALVE STROKE TIME
88-03-LO	02-04-88	03-07-88	SECTION XI REVIEW LATE
88- -LO	04-06-88	05-05-88	ESF ACTUATION DUE TO PROCEDURE ERROR

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1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,697.0</u>	<u>121,919.0</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>-3,457</u>	<u>-20,166</u>	<u>67,020,950</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>58.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>58.9</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>51.6</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>

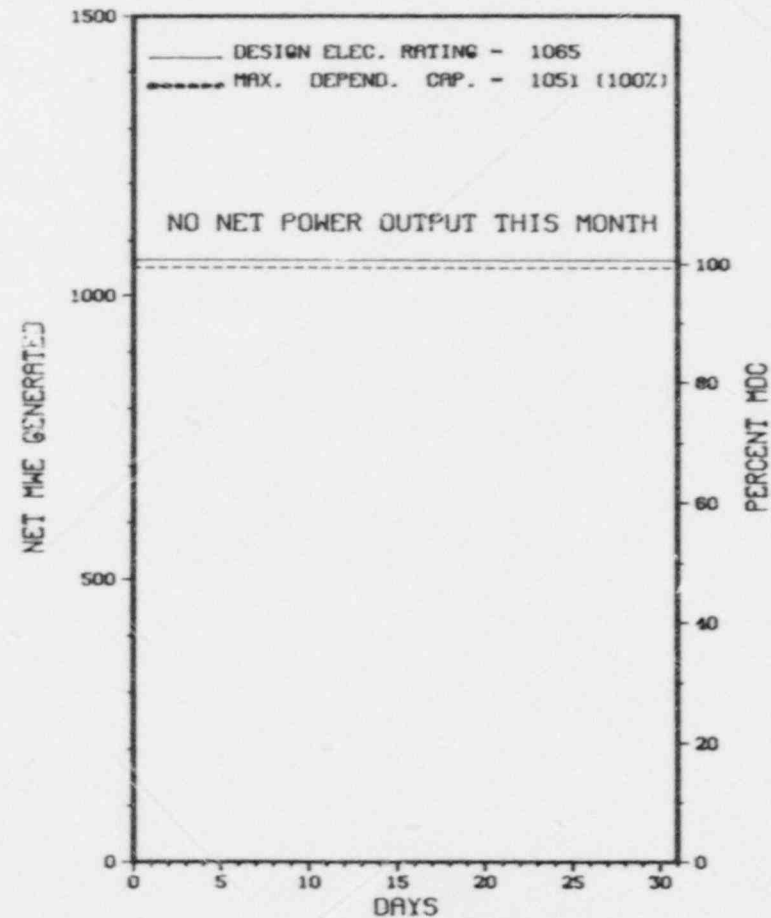
26. Shutdowns Sched Over Next 6 Montns (Type, Date, Duration):
NONE

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

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



MAY 1986

Report Period MAY 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	NRC REQUIRED SHUTDOWN.

* SUMMARY *

PEACH BOTTOM 2 REMAINED SHUTDOWN DURING MAY UNDER NRC ORDER.
RESTART ACTIVITIES CONTINUED.

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

* PEACHT BOTTOM 2 *

FACILITY DATA

Report Period MAY 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
NRC 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 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)

* P E A C H B O T T O M 2 *

OTHER ITEMS

SO 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. Dock#: 50-278 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>117,815.0</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>-3,457</u>	<u>-20,166</u>	<u>67,681,989</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>62.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>62.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>53.9</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):

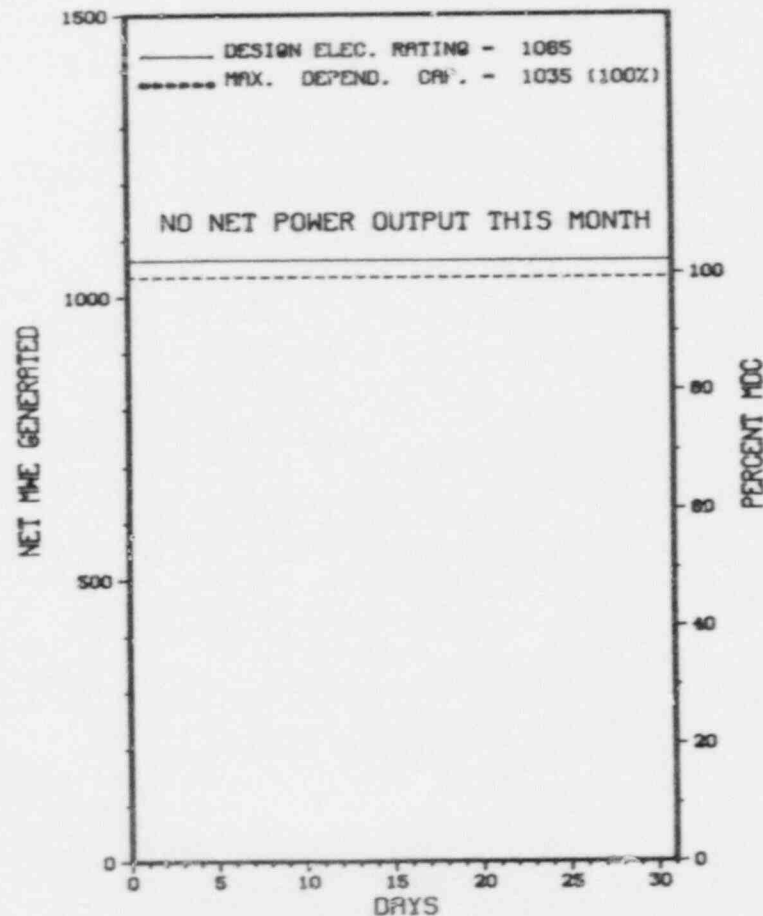
NONE

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

 * PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* PEACH BOTTOM 3 *
XX

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	PIPE REPLACEMENT OUTAGE.

XXXXXXXXXXXX PEACH BOTTOM 3 REMAINED SHUTDOWN UNDER NRC ORDER. REFUEL AND
* SUMMARY * PIPE REPLACEMENT IN PROGRESS.
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)
	F-Admin		
	G-Oper Error		
	H-Other		

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period MAY 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...D# 9-56, 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 MAY 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)

* PEACH BOTTOM 3 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

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1. Docket: 50-440 OPERATING STATUS

2. Reporting Period: 05/01/88 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): 1230

8. Maximum Dependable Capacity (Net MWe): 1205

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

ITEMS 7/8-VALUES REFLECT SEAS. DERATE COND.

10. 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>3,647.0</u>	<u>4,691.0</u>
13. Hours Reactor Critical	<u>454.0</u>	<u>2,624.7</u>	<u>3,436.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>399.0</u>	<u>2,485.5</u>	<u>3,258.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,302,408</u>	<u>8,349,523</u>	<u>10,911,042</u>
18. Gross Elec Ener (MWH)	<u>445,846</u>	<u>2,884,496</u>	<u>3,762,958</u>
19. Net Elec Ener (MWH)	<u>418,414</u>	<u>2,723,147</u>	<u>3,551,631</u>
20. Unit Service Factor	<u>53.6</u>	<u>68.2</u>	<u>69.5</u>
21. Unit Avail Factor	<u>53.6</u>	<u>68.2</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>47.5</u>	<u>67.2</u>	<u>63.9</u>
23. Unit Cap Factor (DER Net)	<u>46.7</u>	<u>62.0</u>	<u>62.8</u>
24. Unit Forced Outage Rate	<u>46.4</u>	<u>17.7</u>	<u>19.8</u>
25. Forced Outage Hours	<u>345.0</u>	<u>535.6</u>	<u>806.2</u>

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

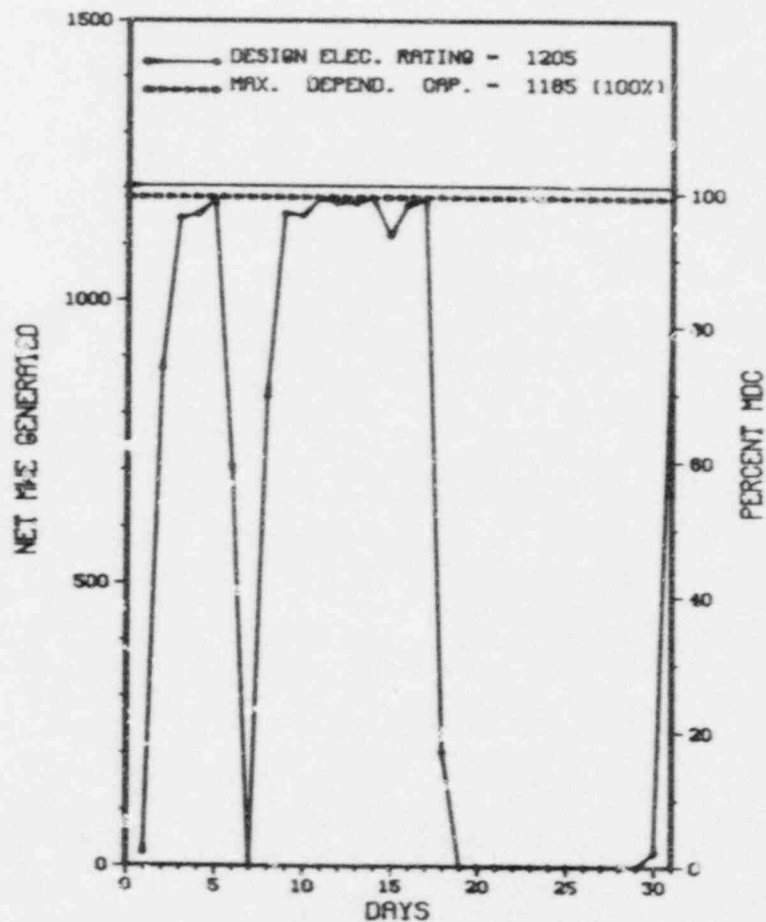
MAINTENANCE-OCTOBER 1988, 10 DAY DURATION.

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

* PERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PERRY 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * PERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-7	04/30/88	F	17.9	E	4	88015	SB	ISV	CONTINUED OUTAGE FROM 4/30/88, CAUSED BY PROCEDURAL DEFICIENCY DURING REACTOR STARTUP.
88-8	05/06/88	F	29.8	A	3	88017	JC	FJ	A BLOWN FUSE IN THE REACTOR PROTECTION SYSTEM CAUSED AN UNEXPECTED REACTOR SCRAM DURING SURVEILLANCE TESTING. CAUSE OF THE BLOWN FUSE IS BEING DETERMINED THROUGH VENDOR FAILURE ANALYSIS.
88-9	05/18/88	F	297.3	A	1				SHUTDOWN TO REPAIR FAULTY FLOAT TRAP IN HYDROGEN SEAL OIL SYSTEM. DURING REPAIRS, GENERATOR INSPECTION REVEALED A STATOR COOLING SYSTEM LEAK. NECESSARY REPAIRS WERE COMPLETED AND THE PLANT WAS RESTARTED.

 * SUMMARY *

 PERRY 1 RETURNED TO OPERATION FOLLOWING A SHUTDOWN ON 4/30/88. AFTER REACHING FULL POWER, THE UNIT INCURRED 2 FORCED OUTAGES DUE TO EQUIPMENT FAILURE.

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

* PERRY 1 *

FACILITY DATA

Report Period MAY 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 ON APRIL 4-8 AND 13 (88005): FOLLOWUP ON SECURITY LER; SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; DETECTION AIDS-PROTECTED AND VITAL AREAS; ACCESS CONTROL-PERSONNEL; ALARM STATIONS; TRAINING AND QUALIFICATION REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN AND PROTECTION OF SAFEGUARDS INFORMATION. ONE LER (87001) WAS CLOSED. TWO POTENTIAL VIOLATIONS AND AN OPEN ITEM WERE IDENTIFIED IN THIS INSPECTION AND ARE DESCRIBED BELOW: PROTECTION OF SAFEGUARD INFORMATION: 1. LICENSEE FAILED ON TWO OCCASIONS TO ADEQUATELY PROTECT SAFEGUARDS INFORMATION. 2. LICENSEE FAILED TO FOLLOW INTERNAL PROCEDURE REGARDING SAFEGUARDS REQUIREMENTS. AN OPEN ITEM WAS ALSO IDENTIFIED AS A RESULT OF SOIL EROSION UNDER THE LICENSEE'S PROTECTED AREA BARRIER.

INSPECTION ON APRIL 11-15, 20, 26, AND 28 (88008): ROUTINE, ANNOUNCED INSPECTION OF: (1) THE CHEMISTRY PROGRAM, INCLUDING PROCEDURES, ORGANIZATION, AND TRAINING; (2) REACTOR SYSTEMS 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 ON MAY 4-6 (88007; 88004): ROUTINE, ANNOUNCED INSPECTION (IP 82301) OF THE PERRY NUCLEAR POWER PLANT EMERGENCY PREPAREDNESS EXERCISE, INVOLVING OBSERVATIONS BY SIX NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. NO VIOLATIONS, DEFICIENCIES, DEVIATIONS OR EXERCISE WEAKNESSES WERE IDENTIFIED. THE LICENSEE'S OVERALL PERFORMANCE WAS VERY GOOD. SEVERAL IMPROVEMENTS WERE SUGGESTED REGARDING PROCEDURAL PROVISIONS FOR TRANSITIONING FROM AN EMERGENCY TO A RECOVERY PHASE OF OPERATIONS.

Report Period MAY 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 MAY FOR SCHEDULED 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-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)

* PILGRIM 1 *

FACILITY DATA

Report Period MAY 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.

1. Docket: 50-266 OPERATING STATUS

2. Reporting Period: 05/01/88 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

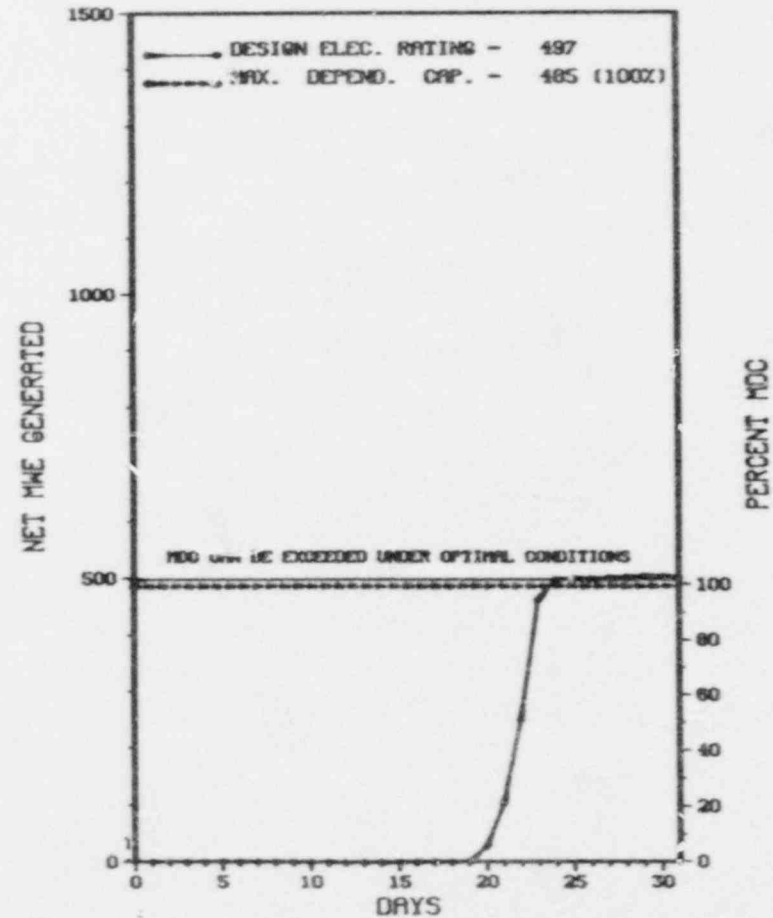
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744,0</u>	<u>3,647,0</u>	<u>134,007,0</u>
13. Hours Reactor Critical	<u>331,3</u>	<u>2,710,7</u>	<u>125,478,5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>652,7</u>
15. Hrs Generator On-Line	<u>273,4</u>	<u>2,650,8</u>	<u>122,695,5</u>
16. Unit Reserve Shtdwn Hrs	<u>.6</u>	<u>.6</u>	<u>837,9</u>
17. Gross Therm Ener (MWH)	<u>360,277</u>	<u>3,940,784</u>	<u>169,567,838</u>
18. Gross Elec Ener (MWH)	<u>122,090</u>	<u>1,346,820</u>	<u>57,170,170</u>
19. Net Elec Ener (MWH)	<u>113,772</u>	<u>1,286,501</u>	<u>54,454,929</u>
20. Unit Service Factor	<u>36,7</u>	<u>72,7</u>	<u>79,7</u>
21. Unit Avail Factor	<u>36,8</u>	<u>72,7</u>	<u>80,2</u>
22. Unit Cap Factor (MDC Net)	<u>31,5</u>	<u>72,7</u>	<u>72,4*</u>
23. Unit Cap Factor (DER Net)	<u>30,8</u>	<u>71,0</u>	<u>71,1</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):
NONE

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

XX
* POINT BEACH 1 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	04/09/88	S	470.0	C	4		ZZ	ZZZZZZ	SHUTDOWN FOR ANNUAL REFUELING AND MAINTENANCE.
2	05/21/88	S	0.6	B	9		ZZ	ZZZZZZ	GENERATOR TAKEN OFF LINE TO COMPLETE POST-OUTAGE TURBINE OVERSPEED TESTS.

 * SUMMARY *

 POINT BEACH 1 ENTERED MAY SHUTDOWN FOR ANNUAL REFUELING AND MAINTENANCE. SUBSEQUENTLY, RETURNED TO POWER GENERATION DURING THE MONTH WHILE INCURRING ONE SCHEDULED OUTAGE FOR TURBINE OVERSPEED TESTS.

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

* POINT BEACH 1 *

FACILITY DATA

Report Period MAY 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
INTERGOV'L 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 FROM MARCH 16 THROUGH APRIL 30 (88009; 88009): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; LICENSEE EVENT REPORT FOLLOWUP; OUTAGES; AND SPENT FUEL POOL ACTIVITIES. ONE VIOLATION WAS IDENTIFIED (SEVERITY LEVEL IV) FOR FAILURE TO FOLLOW PROCEDURES IN REQUESTING EQUIPMENT ISOLATION. THIS LED TO THE LOSS OF THE AUTOMATIC ISOLATION CAPABILITY ON THE CONTAINMENT VENT SYSTEM. ALL OTHER INSPECTION RESULTS INDICATED ACCEPTABLE LICENSEE PERFORMANCE.

INSPECTION ON APRIL 18-22 (88013; 88012): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION IMPLEMENTATION DURING A REFUELING OUTAGE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, AND PROCEDURES (IP 83727, 83729); PLANNING AND PREPARATION (IP 83729); TRAINING AND QUALIFICATIONS OF CONTRACTOR PERSONNEL (IP 83723); INTERNAL AND EXTERNAL EXPOSURE CONTROL (IP 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729); AND THE ALARA PROGRAM (IP 83728). ONE PROCEDURAL VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED (FAILURE TO HAVE A FLASHING RED LIGHT AS A WARNING DEVICE IN A HRA; FAILURE TO POST AND CONTROL TWO HRAS DURING FUEL TRANSFER). THE VIOLATION IS NOT INDICATIVE OF PROGRAMMATIC PROBLEMS. THE LICENSEE'S RADIATION PROTECTION PROGRAM CONTINUES TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF OCCUPATIONAL WORKERS. THE LICENSEE'S ALARA MEASURES APPEARED EFFECTIVE FOR REDUCING PERSONNEL EXPOSURES.

ENFORCEMENT SUMMARY

NONE

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: 05/05/88

INSPECTION REPORT NO: 88011

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
-----
88-04    041588    051388    CONTAINMENT ISOLATION VALVE LEAKAGE IN EXCESS OF TS LIMITS
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1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 05/01/88 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 Capa (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

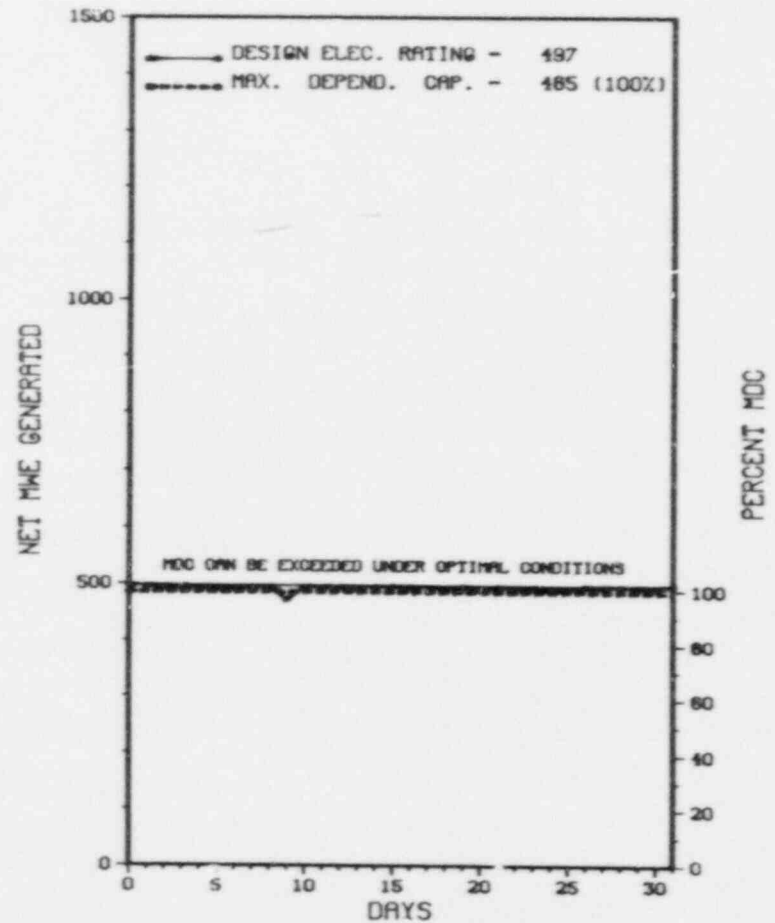
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>138,792.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,627.6</u>	<u>122,022.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1.1</u>	<u>216.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,584.2</u>	<u>120,054.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>5.0</u>	<u>297.4</u>
17. Gross Therm Ener (MWH)	<u>1,127,476</u>	<u>5,382,918</u>	<u>169,953,513</u>
18. Gross Elec Ener (MWH)	<u>384,230</u>	<u>1,841,660</u>	<u>57,621,880</u>
19. Net Elec Ener (MWH)	<u>367,122</u>	<u>1,760,604</u>	<u>54,905,018</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>86.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.4</u>	<u>86.7</u>
22. Unit Cap Factor (MDC Net)	<u>101.7</u>	<u>99.5</u>	<u>80.7*</u>
23. Unit Cap Factor (DER Net)	<u>99.3</u>	<u>97.1</u>	<u>79.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>1.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>23.6</u>	<u>874.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - OCTOBER 8, 1988 - 7 WEEK DURATION.

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

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 2



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

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

* SUMMARY *

POINT BEACH 2 OPERATED ROUTINELY IN MAY 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 MAY 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...C.W. THRU
CONDENSER COOLING WATER...LAKES 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.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
516 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 FROM MARCH 16 THROUGH APRIL 30 (88009; 88009): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; LICENSEE EVENT REPORT FOLLOWUP; OUTAGES; AND SPENT FUEL POOL ACTIVITIES. ONE VIOLATION WAS IDENTIFIED (SEVERITY LEVEL IV) FOR FAILURE TO FOLLOW PROCEDURES IN REQUESTING EQUIPMENT ISOLATION. THIS LED TO THE LOSS OF THE AUTOMATIC ISOLATION CAPABILITY ON THE CONTAINMENT VENT SYSTEM. ALL OTHER INSPECTION RESULTS INDICATED ACCEPTABLE LICENSEE PERFORMANCE.

INSPECTION ON APRIL 18-22 (88013; 88012): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION IMPLEMENTATION DURING A REFUELING OUTAGE, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); CHANGES IN ORGANIZATION, PERSONNEL, FACILITIES, EQUIPMENT, AND PROCEDURES (IP 83727, 83729); PLANNING AND PREPARATION (IP 83729); TRAINING AND QUALIFICATIONS OF CONTRACTOR PERSONNEL (IP 83723); INTERNAL AND EXTERNAL EXPOSURE CONTROL (IP 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729); AND THE ALARA PROGRAM (IP 83728). ONE PROCEDURAL VIOLATION WITH TWO EXAMPLES WAS IDENTIFIED (FAILURE TO HAVE A FLASHING RED LIGHT AS A WARNING DEVICE IN A HRA; FAILURE TO POST AND CONTROL TWO HRAS DURING FUEL TRANSFER). THE VIOLATION IS NOT INDICATIVE OF PROGRAMMATIC PROBLEMS. THE LICENSEE'S RADIATION PROTECTION PROGRAM CONTINUES TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF OCCUPATIONAL WORKERS. THE LICENSEE'S ALARA MEASURES APPEARED EFFECTIVE FOR REDUCING PERSONNEL EXPOSURES.

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1988

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

* POINT BEACH 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 05/05/88

INSPECTION REPORT NO: 88010

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	040788	050788	RX TRIP DUE TO MALFUNCTION OF INSTR. BUS POWER SUPPLY MECH. INTERLOCK

1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 1050

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>3,697.0</u>	<u>126,743.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,565.4</u>	<u>106,108.6</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>3,561.8</u>	<u>104,669.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,216,672</u>	<u>5,778,930</u>	<u>164,832,854</u>
18. Gross Elec Ener (MWH)	<u>392,520</u>	<u>1,920,630</u>	<u>53,994,640</u>
19. Net Elec Ener (MWH)	<u>368,178</u>	<u>1,814,906</u>	<u>50,652,571</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.7</u>	<u>82.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.7</u>	<u>82.6</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>98.9</u>	<u>79.5</u>
23. Unit Cap Factor (DER Net)	<u>93.4</u>	<u>93.9</u>	<u>75.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,715.2</u>

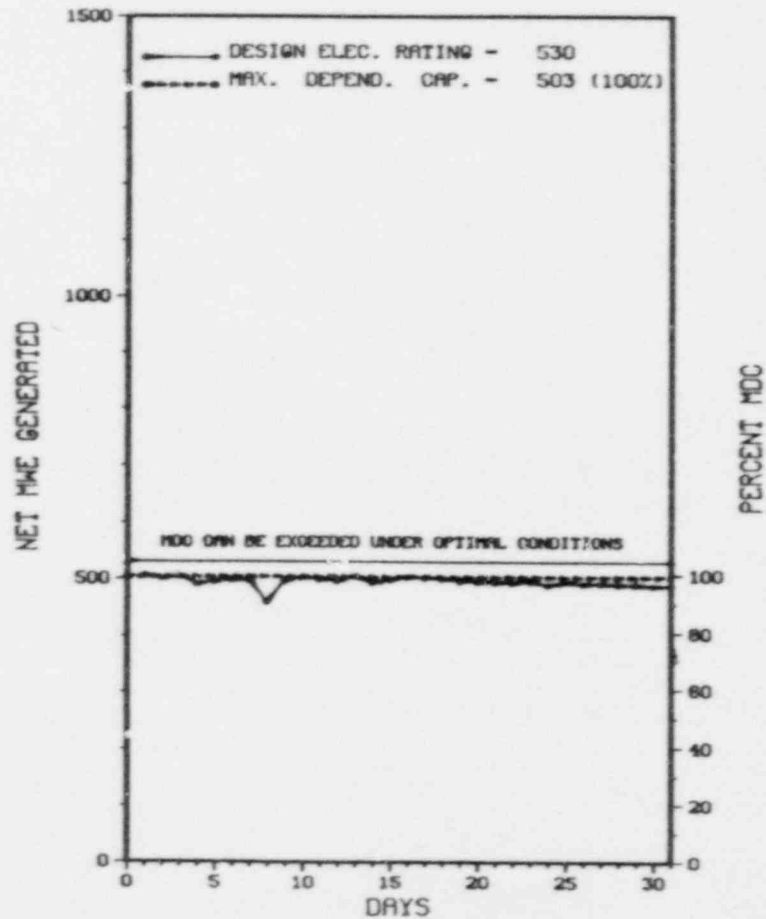
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - AUGUST 24, 1988

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* PRAIRIE ISLAND 1 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-05	05/08/88	S	0.0	B	5				TURBINE VALVES TESTING.

XXXXXXXXXXXX PRAIRIE ISLAND 1 INCURRED 1 POWER REDUCTION IN MAY FOR TURBINE
* SUMMARY * VALVES TESTING.
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)

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 1, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973

CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD

LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282

LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974

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MINNEAPOLIS 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

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATED CONTINUOUSLY FOR ENTIRE MONTH.

LAST IE SITE INSPECTION DATE: 04/02/88

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    DATE OF    SUBJECT
          EVENT    REPORT
-----
88-02    042188    052388    AUTO START OF DIESEL-DRIVEN COOLING WATER PUMPS
88-03    042688    052688    ONE VOLTAGE RESOTORING SCHEME INADVERTANTLY MADE INPERABLE DURING RELAY TESTING
=====

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1. Docket: 50-306 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>117,861.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,748.7</u>	<u>102,983.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,729.2</u>	<u>101,924.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,218,063</u>	<u>4,354,270</u>	<u>160,507,347</u>
18. Gross Elec Ener (MWH)	<u>393,790</u>	<u>1,424,150</u>	<u>52,256,480</u>
19. Net Elec Ener (MWH)	<u>370,642</u>	<u>1,342,844</u>	<u>49,122,267</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.8</u>	<u>86.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.8</u>	<u>86.5</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>73.6</u>	<u>83.4</u>
23. Unit Cap Factor (DER Net)	<u>94.0</u>	<u>69.5</u>	<u>78.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>1.1</u>	<u>3,360.1</u>

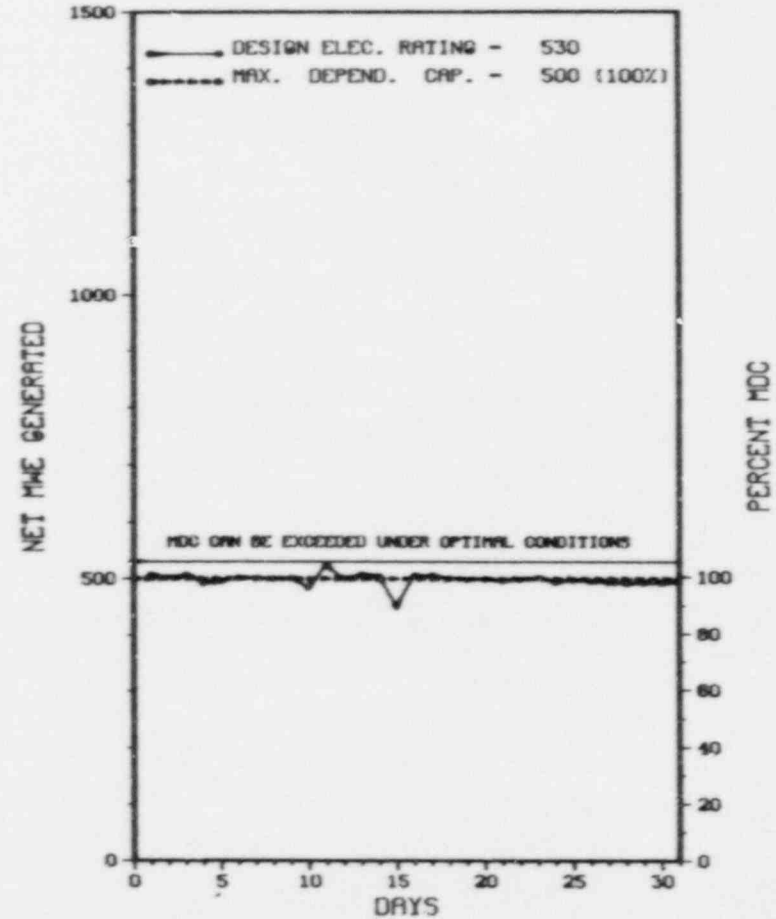
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-05	05/15/88	S	0.0	B	5				TURBINE VALVES TESTING.

 * SUMMARY *

 PRAIRIE ISLAND 2 INCURRED 1 POWER REDUCTION IN MAY FOR
 TURBINE VALVES TESTING.

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)

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 17, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974
DATE COMMERCIAL OPERATE...DECEMBER 21, 1974
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....415 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

Report Period MAY 1988

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

* FRAIRIE ISLAND 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATED CONTINUALLY THROUGHOUT MONTH.

LAST IE SITE INSPECTION DATE: 04/02/88

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
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NONE

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1. Docket: 50-254 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X2147

4. Licensed Thermal Power (MWT): 2511

5. Nameplate Rating (Gross MWe): 920 X 0.9 = 823

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>3,647.0</u>	<u>140,735.0</u>
13. Hours Reactor Critical	<u>537.4</u>	<u>3,440.4</u>	<u>112,504.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>508.9</u>	<u>3,345.2</u>	<u>108,802.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,133,162</u>	<u>2,902,731</u>	<u>231,243,488</u>
18. Gross Elec Ener (MWH)	<u>364,610</u>	<u>2,574,649</u>	<u>75,000,287</u>
19. Net Elec Ener (MWH)	<u>346,653</u>	<u>2,459,338</u>	<u>70,363,408</u>
20. Unit Service Factor	<u>68.4</u>	<u>91.7</u>	<u>77.3</u>
21. Unit Avail Factor	<u>68.4</u>	<u>91.7</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>60.6</u>	<u>87.7</u>	<u>65.0</u>
23. Unit Cap Factor (DER Net)	<u>59.1</u>	<u>85.5</u>	<u>63.4</u>
24. Unit Forced Outage Rate	<u>2.6</u>	<u>2.3</u>	<u>5.1</u>
25. Forced Outage Hours	<u>13.8</u>	<u>80.5</u>	<u>3,516.9</u>

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

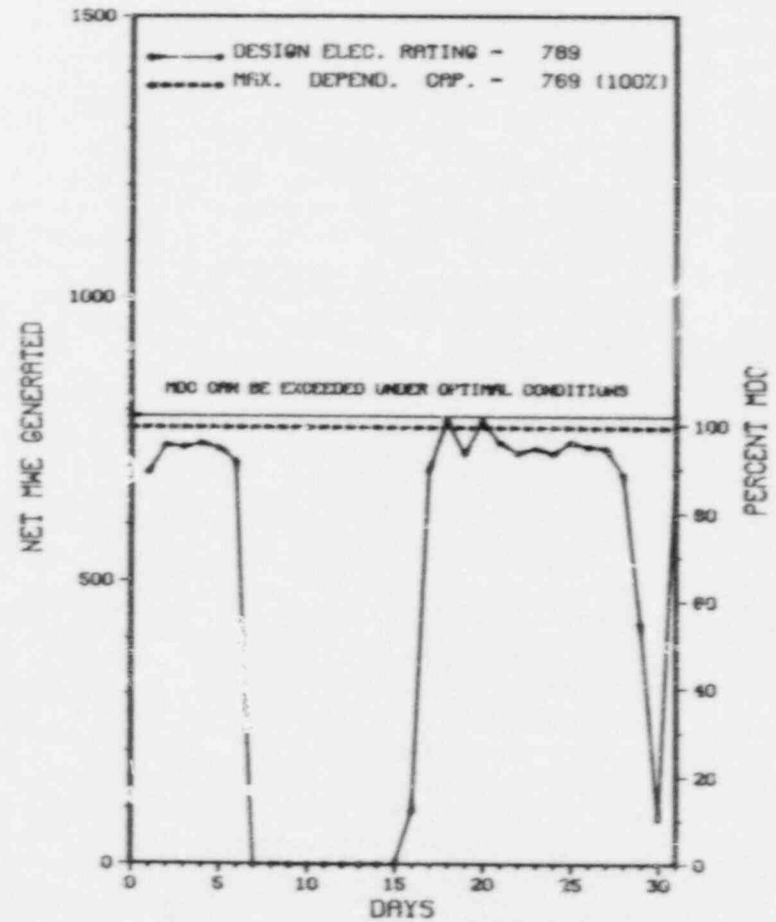
NONE

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

XXX
* QUAD CITIES 1 *
XXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-4	05/07/88	S	220.5	B	1		ZZ	ZZZZZZ	DUAL UNIT OUTAGE.
88-5	05/16/88	S	0.8	B	9		HA	TURBIN	TURBINE TRIPPED FOR OVERSPEED TEST.
88-6	05/28/88	F	13.8	A	9	88-036	HA	VALVEX	TURBINE TRIPPED DUE TO NO. 4 TURBINE FAST CLOSE VALVE FAILURE.

 * SUMMARY *

 QUAD CITIES 1 INCURRED 3 OUTAGES DURING MAY 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
	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
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	H-Other		
	E-Operator Training		
	& License Examination		

* QUAD CITIES 1 *

FACILITY DATA

Report Period MAY 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.....GENEPAL 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 MARCH 28 THROUGH APRIL 17 (88007; 88008): SPECIAL ANNOUNCED INSPECTION ON HPCI AND RCIC OPERATING PROBLEMS. AREAS INSPECTED INCLUDED HPCI/RCIC HISTORY AND MANAGEMENT ACTIVITIES, ROOT CAUSE DETERMINATION AND CORRECTIVE ACTION, MAINTENANCE ACTIVITIES RELATED TO HPCI AND RCIC, SYSTEM WALKDOWNS, AND HPCI AND RCIC SURVEILLANCES. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. HOWEVER, TWO OPEN ITEMS WERE IDENTIFIED TO TRACK LICENSEE COMMITTED CORRECTIVE ACTIONS OF INSPECTOR CONCERNS.

INSPECTION ON APRIL 4-8 (88008; 88009): ROUTINE INSPECTION OF: (1) QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSES; (2) VERIFICATION OF THERMOLUMINESCENT DOSIMETER (TLD) COLLOCATION; AND (3) ACTION ON AN OPEN ITEM IDENTIFIED DURING A PREVIOUS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAY 1988

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* QUA D C I T I E S 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING AT LOW POWER WHILE LOOKING FOR CONDENSER IN LEAKAGE.

LAST IE SITE INSPECTION DATE: 04/08/88

INSPECTION REPORT NO: 88008

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

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>139,845.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,289.8</u>	<u>106,947.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.3</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,261.9</u>	<u>103,797.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,138,743</u>	<u>222,509,310</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,669,730</u>	<u>71,227,504</u>
19. Net Elec Ener (MWH)	<u>-2,322</u>	<u>1,597,023</u>	<u>67,148,454</u>
20. Unit Service Factor	<u>.0</u>	<u>62.0</u>	<u>74.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>62.0</u>	<u>74.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.9</u>	<u>62.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>55.5</u>	<u>60.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.2</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>150.5</u>	<u>5,433.7</u>

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

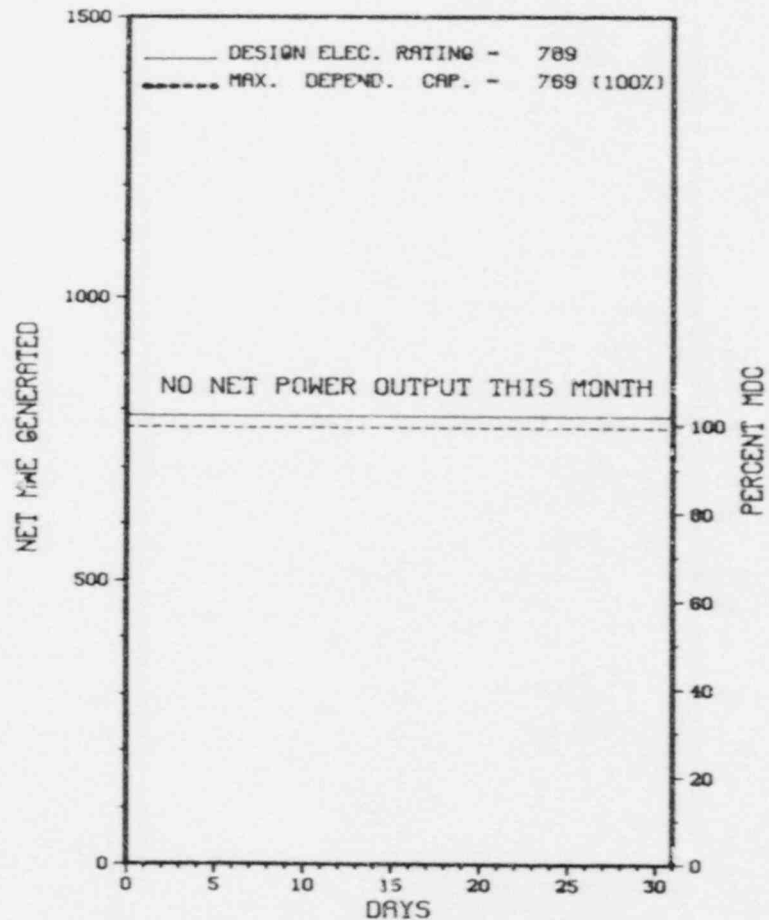
NONE

27. If Currently Shutdown Estimated Startup Date: 06/18/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-5	04/10/88	S	744.0	C	4		RC	FUELXX	END OF CYCLE NINE REFUELING OUTAGE.

* SUMMARY *

QUAD CITIES 2 CONTINUED SCHEDULED REFUELING OUTAGE DURING MAY.

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-Continuod
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-0161)

* QUAD CITIES 2 *

FACILITY DATA

Report Period MAY 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
DOCKET 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 MARCH 28 THROUGH APRIL 17 (88007; 88008): SPECIAL ANNOUNCED INSPECTION ON HPCI AND RCIC OPERATING PROBLEMS. AREAS INSPECTED INCLUDED HPCI/RCIC HISTORY AND MANAGEMENT ACTIVITIES, ROOT CAUSE DETERMINATION AND CORRECTIVE ACTION, MAINTENANCE ACTIVITIES RELATED TO HPCI AND RCIC, SYSTEM WALKDOWNS, AND HPCI AND RCIC SURVEILLANCES. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. HOWEVER, TWO OPEN ITEMS WERE IDENTIFIED TO TRACK LICENSEE COMMITTED CORRECTIVE ACTIONS OF INSPECTOR CONCERNS.

INSPECTION ON APRIL 4-8 (88008; 88009): ROUTINE INSPECTION OF: (1) QUALITY ASSURANCE AND CONFIRMATORY MEASUREMENTS FOR IN-PLANT RADIOCHEMICAL ANALYSES; (2) VERIFICATION OF THERMOLUMINESCENT DOSIMETER (TLD) COLLOCATION; AND (3) ACTION ON AN OPEN ITEM IDENTIFIED DURING A PREVIOUS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT S/D FOR REFUELING ON 4/10/88.

LAST IE SITE INSPECTION DATE: 04/08/88

INSPECTION REPORT NO: 88009

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
88-06	040488	050288	UNIT TWO FLUED HEAD ANCHORS OUTSIDE SAFETY ANALYSIS DESIGN REQUIREMENTS DUE TO ANALYSIS DEFICIENCY
88-08	050488	052488	LINEAR INDICATIONS ON REACTOR WATER CLEANUP SYSTEM WELD DUE TO POSTULATED STRESS CORROSION CRACKING
88-09	050788	052688	UNIT TWO 125 VOLT BATTERY DISCHARGE TEST FAILURE DUE TO APPARENT HIGH RESISTANCE CABLE CONNECTIONS
88-10	051088	053188	PRIMARY CONTAINMENT STRUCTURAL STEEL CONNECTIONS OUTSIDE FINAL SAFETY ANALYSIS REPORT DESIGN CRITERIA DUE TO APPARENT ORIGINAL CONSTRUCTION OVERSIGHT

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 05/01/88 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): 873

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>115,032.0</u>
13. Hours Reactor Critical	<u>561.7</u>	<u>1,253.3</u>	<u>53,818.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>552.1</u>	<u>1,001.9</u>	<u>51,365.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>586,845</u>	<u>963,925</u>	<u>125,192,460</u>
18. Gross Elec Ener (MWH)	<u>184,440</u>	<u>297,183</u>	<u>41,825,332</u>
19. Net Elec Ener (MWH)	<u>156,954</u>	<u>202,523</u>	<u>39,191,718</u>
20. Unit Service Factor	<u>74.2</u>	<u>27.5</u>	<u>44.7</u>
21. Unit Avail Factor	<u>74.2</u>	<u>27.5</u>	<u>45.7</u>
22. Unit Cap Factor (MDC Net)	<u>24.2</u>	<u>6.4</u>	<u>39.0</u>
23. Unit Cap Factor (DER Net)	<u>23.0</u>	<u>6.0</u>	<u>37.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>68.1</u>	<u>44.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>2,143.0</u>	<u>41,048.5</u>

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

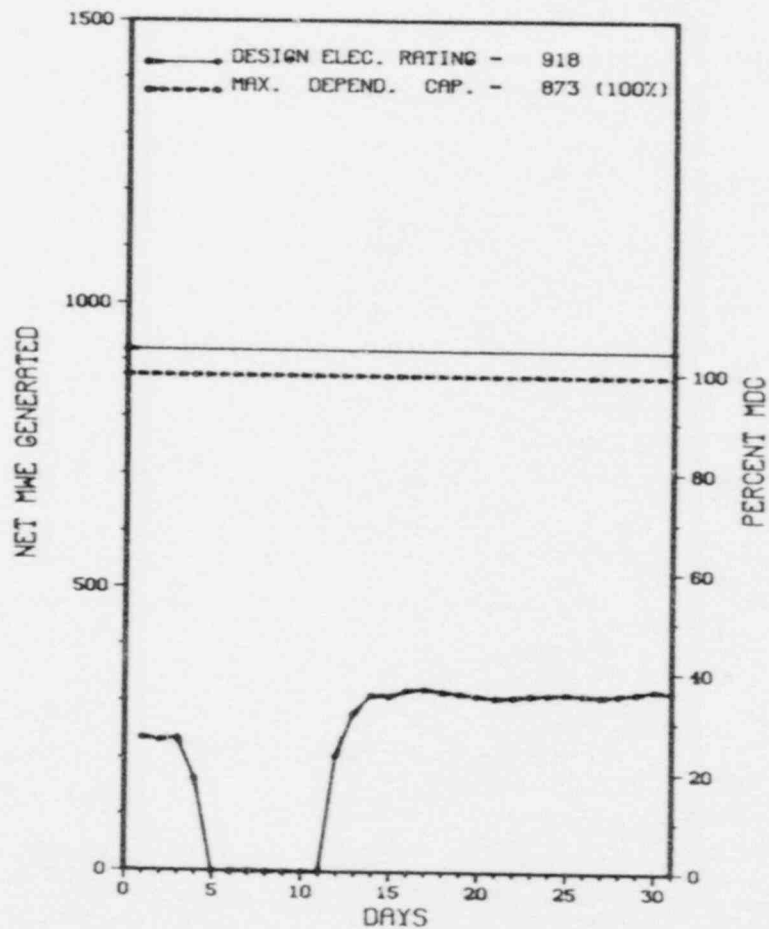
POWER ASCENSION TESTING PROGRAM, JULY 13-15.

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

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	05/04/88	S	191.9	B	3				THE TURBINE WAS TRIPPED AS PART OF THE POWER ASCENSION TESTING PROGRAM.

 * SUMMARY *

 RANCHO SECO INCURRED ONE SCHEDULED OUTAGE DURING MAY AS PART OF THE POWER ASCENSION TEST PROGRAM.

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

* RANCHO SECO 1 *

FACILITY DATA

Report Period MAY 1988

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. DANGELO
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 JANUARY 4 - MARCH 10, 1988 (REPORT NO. 50-312/88-02) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON FEBRUARY 4 - MARCH 29, 1988 (REPORT NO. 50-312/88-05) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS AND IN PART BY A REGIONAL INSPECTOR, INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, SECURITY AND HP ROUTINE MODULES AND FOLLOWUP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: OF THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED PERTAINING TO THE FAILURE TO DOCUMENT A NONCONFORMING TEST RESULT. ONE NEAR UNRESOLVED ITEM RELATED TO ENVIRONMENTAL QUALIFICATION OF MODIFIED SAFETY RELATED MOTOR OPERATED VALVES WAS IDENTIFIED.
- + INSPECTION ON MARCH 20 - APRIL 8, 1988 (REPORT NO. 50-312/88-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MARCH 30 - MAY 2, 1988 (REPORT NO. 50-312/88-12) 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: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. NO MAJOR PROGRAMMATIC STRENGTHS OR WEAKNESSES WERE OBSERVED DURING THIS INSPECTION PERIOD.

INSPECTION SUMMARY

+ INSPECTION ON APRIL 4 - 19, 1988 (REPORT NO. 50-312/88-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, SOLID WASTES, TRANSPORTATION, AND FACILITY TOURS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED THE LICENSEE'S PROGRAMS APPEARED ADEQUATE TO ACCOMPLISH THEIR SAFETY OBJECTIVES, AND THE LICENSEE APPEARED TO BE MAINTAINING THEIR PREVIOUS LEVEL OF PERFORMANCE IN THESE AREAS. TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA: 49 CFR 173.415(A), FAILURE TO MAINTAIN RECORDS AND 10 CFR 30.41 (C), FAILURE TO OBTAIN WRITTEN CERTIFICATION.

+ INSPECTION ON APRIL 25 - 28, 1988 (REPORT NO. 50-312/88-14) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTOR ITEMS, LICENSEE PLANS FOR COPING WITH STRIKES, AND NON-LICENSED STAFF TRAINING. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. HOWEVER, THE FOLLOWING SPECIFIC WEAKNESSES IN THE LICENSEE'S PROGRAMS WERE OBSERVED: THE LICENSEE WAS UNABLE TO PROVIDE ANY PLANS FOR COPING WITH A STRIKE (INSPECTOR FOLLOW-UP ITEM 88-14-02); THE LICENSEE CONTINUED TO SHOW WEAKNESS IN THE TIMELINESS OF LICENSED AND NON-LICENSED OPERATOR READING ASSIGNMENTS AND A DEPENDENCY ON CONTRACT PERSONNEL STAFFING IN THE OPERATIONS TRAINING SECTION OF THE TRAINING DEPARTMENT.

* INSPECTION ON MAY 3 - 30, 1988 (REPORT NO. 50-312/88-15) REPORT BEING PREPARED: TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

10 CFR PART 71.5(A) STATES THAT "EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE THE CONFINES OF THE PLANT OR OTHER PLACE OF USE OR WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49 CFR PARTS 170 THROUGH 178." 49 CFR 173.415(A) REQUIRES, IN PART, THAT EACH SHIPPER OF A SPECIFICATION 7A PACKAGE MUST MAINTAIN ON FILE FOR AT LEAST 1 YEAR AFTER THE LAST SHIPMENT, A COMPLETE CERTIFICATION AND SUPPORTING SAFETY ANALYSIS DEMONSTRATING THAT THE CONSTRUCTION METHODS, PACKAGE DESIGN, AND MATERIALS ARE IN COMPLIANCE WITH THE SPECIFICATIONS. CONTRARY TO THE STATED REQUIREMENTS, ON APRIL 6, 1988, THE LICENSEE DID NOT MAINTAIN ON FILE THE SPECIFICATION 7A PACKAGE CERTIFICATION FOR RADIOACTIVE MATERIAL TRANSPORTED IN A PACKAGE ON THE PUBLIC HIGHWAYS IN THE STATE OF CALIFORNIA ON FEBRUARY 18, 1988. 10 CFR 30.41(C), "TRANSFER OF BY PRODUCT MATERIAL," REQUIRES THAT, PRIOR TO TRANSFERRING OF LICENSED MATERIAL, EACH LICENSEE SHALL VERIFY THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BY PRODUCT MATERIAL TO BE TRANSFERRED. 10 CFR 30.41(D)(3) STATES, IN PART, THAT FOR EMERGENCY SHIPMENTS THE TRANSFEREE MAY ACCEPT CERTIFICATION IS CONFIRMED IN WRITING WITHIN 10 DAYS. CONTRARY TO THE STATED REQUIREMENTS, AS OF APRIL 6, 1988, THE LICENSEE HAD NOT OBTAINED THE REQUIRED WRITTEN CERTIFICATION FOR AN EMERGENCY SHIPMENT OF 50 UCI OF COBALT-60, TRANSFERRED TO AN OUT OF STATE LABORATORY ON FEBRUARY 26, 1988.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ PLANT IS PERFORMING VARIOUS TESTING IN CONJUNCTION WITH STEPPED INCREASES TO COMMERCIAL OPERATION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

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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: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: R. H. MARTIN (504) 635-6094 X4836

4. Licensed Thermal Power (Mwt): 2894

5. Nameplate Rating (Gross MWe): 2894

6. Design Electrical Rating (Net MWe): 936

7. Maximum Dependable Capacity (Gross MWe): 936

8. Maximum Dependable Capacity (Net MWe): 936

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>21,863.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,479.7</u>	<u>15,193.8</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>3,422.3</u>	<u>13,954.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,053,827</u>	<u>9,538,141</u>	<u>35,008,025</u>
18. Gross Elec Ener (MWH)	<u>706,587</u>	<u>3,296,378</u>	<u>11,917,252</u>
19. Net Elec Ener (MWH)	<u>661,597</u>	<u>3,091,492</u>	<u>11,116,697</u>
20. Unit Service Factor	<u>100.0</u>	<u>93.8</u>	<u>63.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.8</u>	<u>63.8</u>
22. Unit Cap Factor (MDC Net)	<u>95.0</u>	<u>90.6</u>	<u>54.3</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>90.6</u>	<u>54.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.4</u>	<u>12.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>193.5</u>	<u>1,991.0</u>

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

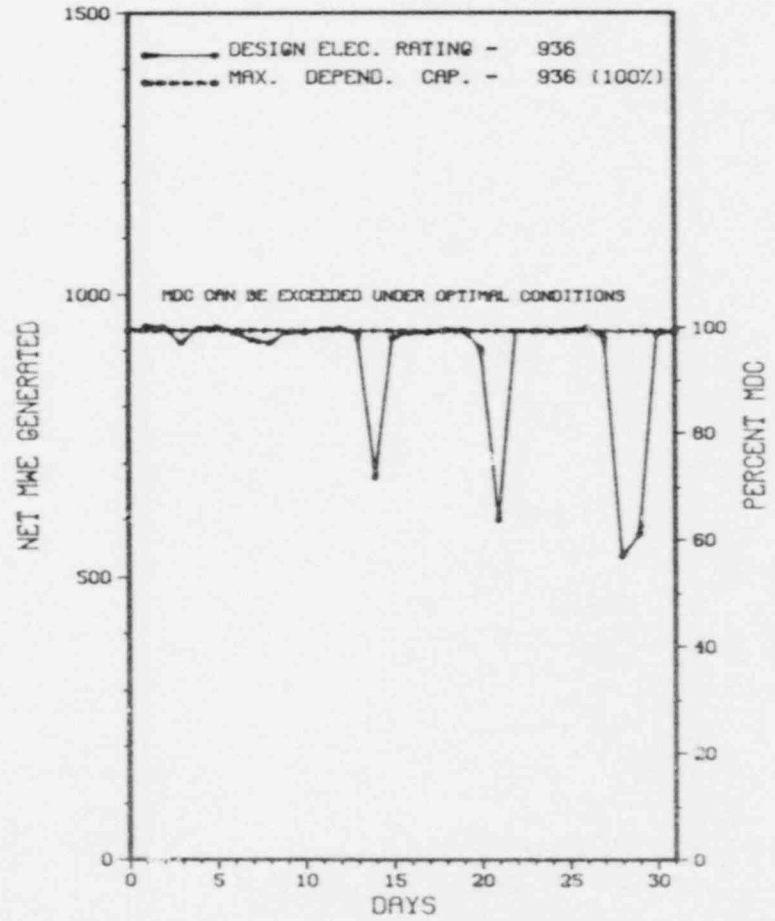
NONE

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

* RIVER BEND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RIVER BEND 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * RIVER BEND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	05/13/88	S	0.0	A	5				REDUCED POWER TO 75% TO PERFORM TURBINE TESTING AND REPAIR 'B' FEEDWATER REGULATOR VALVE.
88-08	05/20/88	S	0.0	A	5				REDUCED POWER TO 70% TO PERFORM TURBINE TESTING AND REPAIR OF 'B' STEAM JET AIR EJECTOR STRAINER.
88-09	05/27/88	S	0.0	A	5				REDUCED POWER TO 55% TO REPAIR CONDENSER TUBE LEAKS AND STEAM JET AIR EJECTOR SUCTION FLANGE.

 * SUMMARY *

 RIVER BEND 1 INCURRED 3 LOAD REDUCTIONS DURING MAY 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
	B-Maint or Test	3-Auto Scram	Preparation of
	C-Refueling	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* RIVER BEND 1 *

FACILITY DATA

Report Period MAY 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 3, 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

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

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

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

2. Reporting Period: 05/01/88 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): 420

11. Reasons for Restrictions, If Any: ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>151,157.0</u>
13. Hours Reactor Critical	<u>596.7</u>	<u>2,484.7</u>	<u>108,013.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,159.6</u>
15. Hrs Generator On-Line	<u>588.5</u>	<u>2,436.8</u>	<u>105,461.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>796,420</u>	<u>3,846,567</u>	<u>211,999,128</u>
18. Gross Elec Ener (MWH)	<u>244,440</u>	<u>1,240,176</u>	<u>68,623,513</u>
19. Net Elec Ener (MWH)	<u>224,791</u>	<u>1,159,445</u>	<u>64,837,374</u>
20. Unit Service Factor	<u>79.1</u>	<u>66.8</u>	<u>69.8</u>
21. Unit Avail Factor	<u>79.1</u>	<u>66.8</u>	<u>69.8</u>
22. Unit Cap Factor (MDC Net)	<u>45.4</u>	<u>47.8</u>	<u>64.5</u>
23. Unit Cap Factor (DER net)	<u>43.2</u>	<u>45.4</u>	<u>61.3</u>
24. Unit Forced Outage Rate	<u>20.9</u>	<u>33.2</u>	<u>14.0</u>
25. Forced Outage Hours	<u>155.5</u>	<u>1,209.3</u>	<u>11,412.0</u>

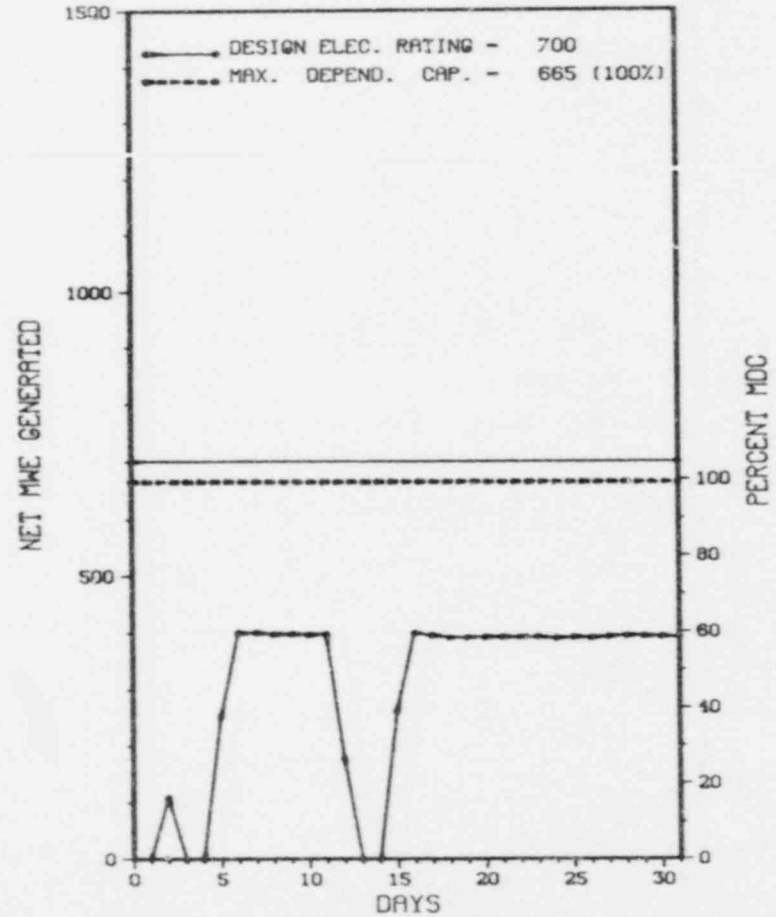
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINT, NOVEMBER 12, 1988, 49 DAY DURATION.

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

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0402	04/30/88	F	32.9	A	4		CB	VALVEX	THE UNIT WAS TAKEN TO HOT SHUTDOWN DUE TO RCS LEAK IN CV. THE LEAK WAS DETERMINED TO BE FROM "C" RTD BYPASS LOOP ISOLATION VALVE PACKING. MAINTENANCE WAS PERFORMED, AND THE UNIT RETURNED TO 60% REACTOR POWER ON 05/02/88.
0501	05/02/88	F	60.4	A	3	88-010	HA	INSTRU	TURBINE CONTROL SYSTEM INADVERTENTLY SHUT 4 GOVERNOR VALVES CAUSING A GENERATOR LOCKOUT WHICH RESULTED IN A REACTOR TRIP. INVESTIGATION FOUND THE EH OIL SYSTEM TO HAVE A FAULTY TIMING DEVICE AND A LOOSE CONNECTION IN THE GOVERNOR VALVE POSITION LIMITER CONTROL CIRCUITRY. REPAIRS TO BOTH PROBLEMS HAVE BEEN COMPLETED AND TESTED, THE SYSTEM RETURNED TO OPERATION, AND THE UNIT RETURNED TO 60% REACTOR POWER.
0502	05/12/88	F	62.2	B	3	88-011	HA	INSTRU	WHILE PERFORMING MAINTENANCE TEST (MST-552), A TURBINE TRIP SIGNAL WAS INADVERTENTLY GENERATED WHEN ONE OF THE 3 CHANNELS WAS PLACED INTO TEST MODE AND A SECOND CHANNEL FAILED. THIS RESULTED IN A TURBINE TRIP AND SUBSEQUENT REACTOR TRIP. ROOT CAUSE WAS THE FAILURE OF SPEED PICKUP COILS IN THE TROTS CIRCUITRY. REPAIRS TO THE COILS ALONG WITH UNRELATED COMPONENTS IN THE SAME SYSTEM WERE COMPLETED. THE SYSTEM WAS TESTED AND RETURNED TO SERVICE.

 * SUMMARY *

 ROBINSON 2 INCURRED 3 FORCED OUTAGES IN MAY FOR REASONS STATED ABOVE WHILE OPERATING AT AN ADMINISTRATIVELY IMPOSED POWER LEVEL OF 60 PERCENT.

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

* ROBINSON 2 *

FACILITY DATA

Report Period MAY 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. L9
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 JANUARY 11-29 (88-01): THIS SPECIAL, ANNOUNCED QUALITY VERIFICATION INSPECTION WAS CONDUCTED IN THE AREAS OF MAINTENANCE, DESIGN CONTROL, OPERATIONS, COMMERCIAL GRADE PROCUREMENT, AND QUALITY ASSURANCE/ QUALITY CONTROL. FOUR VIOLATIONS WERE IDENTIFIED INVOLVING FAILURE TO MEET REPORTABILITY REQUIREMENTS, FAILURE TO PERFORM POST-MODIFICATION TESTING, FAILURE TO MAINTAIN RECORDS, AND FAILURE TO FOLLOW PROCEDURES RELATING TO TEMPORARY REPAIRS, WORK REQUESTS, AND THE TREND ANALYSIS PROGRAM. ONE UNRESOLVED ITEM WAS IDENTIFIED RELATED TO USE OF COMMERCIAL GRADE PROCURED ITEMS AND USE OF COMMERCIAL GRADE PROCURED ITEMS IN EQ APPLICATIONS.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.72, PARAGRAPH B.1.II.C, ON FOUR OCCASIONS THE LICENSEE REPORTED THE INOPERABILITY OF ALL DIESEL GENERATORS WHILE OPERATING AT 100 PERCENT POWER, AND OUTSIDE THE BOUNDS OF THE EXISTING PLANT OPERATING AND EMERGENCY PROCEDURES, UNDER THE PARAGRAPH B.2.III, FOUR-HOUR CRITERIA. CONTRARY TO 10 CFR 50, APPENDIX B CRITERION XI, ALTHOUGH A POST-MODIFICATION TEST PROGRAM WAS ESTABLISHED, IT DID NOT ASSURE THAT ALL TESTING REQUIRED TO DEMONSTRATE THAT SYSTEMS WILL PERFORM SATISFACTORILY IN SERVICE. CONTRARY TO 10 CFR 50, APPENDIX B CRITERION XVII, RECORDS FOR THE ACTIVITIES AFFECTING QUALITY RELATED TO THE DIESEL GENERATORS, INCLUDING THE ENTRIES INTO TS LCOS WERE NOT ADEQUATELY MAINTAINED FOR THE PERIOD OF 08/26/87, THROUGH 09/10/87 AND 11/04/87 AND 11/05/87.
(8800 4)

1. Docket: 50-272 OPERATING STATUS
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: BRYAN W. GORMAN (609) 339-3400
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>3,647.0</u>	<u>95,736.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,968.3</u>	<u>59,663.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,885.2</u>	<u>57,676.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,539,056</u>	<u>6,305,890</u>	<u>178,777,103</u>
18. Gross Elec Ener (MWH)	<u>857,330</u>	<u>2,120,730</u>	<u>59,313,018</u>
19. Net Elec Ener (MWH)	<u>823,718</u>	<u>2,010,158</u>	<u>56,406,867</u>
20. Unit Service Factor	<u>100.0</u>	<u>51.7</u>	<u>60.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.7</u>	<u>60.2</u>
22. Unit Cap Factor (MDC Net)	<u>100.1</u>	<u>49.8</u>	<u>53.3</u>
23. Unit Cap Factor (DER Net)	<u>99.3</u>	<u>49.4</u>	<u>52.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.0</u>	<u>25.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>38.2</u>	<u>19,498.0</u>

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

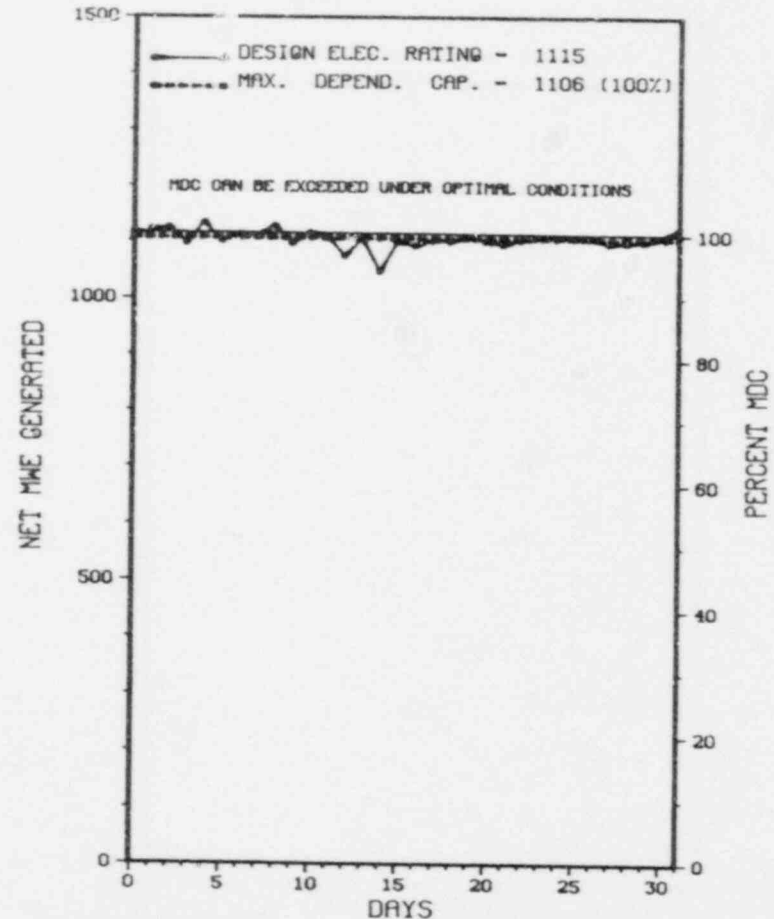
NONE

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

 * SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* SALEM 1 *
XX

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

NONE

XXXXXXXXXXXX SALEM 1 OPERATED ROUTINELY DURING MAY WITH NO OUTAGES OR
* SUMMARY * SIGNIFICANT LOAD REDUCTIONS.
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
	F-Admin	3-Auto Scram	Preparation
	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		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SALEM 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period MAY 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.....UNIFIED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMP. NTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-3400

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>58,152.0</u>
13. Hours Reactor Critical	<u>692.2</u>	<u>3,565.5</u>	<u>35,943.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>686.8</u>	<u>3,531.1</u>	<u>34,828.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,323,214</u>	<u>11,893,632</u>	<u>108,659,361</u>
18. Gross Elec Ener (MWH)	<u>777,090</u>	<u>3,967,560</u>	<u>35,597,030</u>
19. Net Ele Ener (MWH)	<u>744,708</u>	<u>3,807,148</u>	<u>33,826,616</u>
20. Unit Service Factor	<u>92.3</u>	<u>96.8</u>	<u>59.9</u>
21. Unit Avail Factor	<u>91.3</u>	<u>96.8</u>	<u>59.9</u>
22. Unit Cap Factor (MDC Net)	<u>91.2</u>	<u>94.4</u>	<u>52.6</u>
23. Unit Cap Factor (DER Net)	<u>89.8</u>	<u>93.6</u>	<u>52.6</u>
24. Unit Forced Outage Rate	<u>7.7</u>	<u>3.2</u>	<u>31.0</u>
25. Forced Outage Hours	<u>57.2</u>	<u>115.9</u>	<u>15,633.8</u>

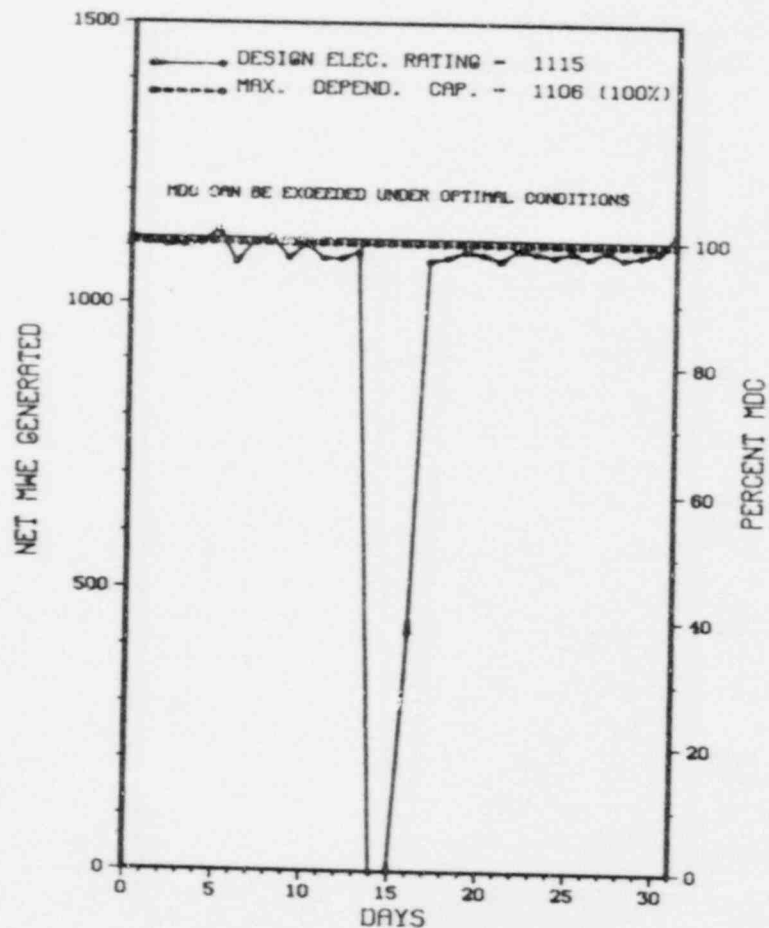
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING-09/01/88-DURATION 52 DAYS.

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

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* SALEM 2 *
XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0098	05/13/88	F	57.2	A	3		RB	CONROD	CONTROL ROD DRIVE PROBLEMS.

XXXXXXXXXX SALEM 2 INCURRED ONE FORCED OUTAGE DURING MAY DUE TO CONTROL
* SUMMARY * ROD DRIVE PROBLEMS.
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)

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: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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 TO CONTROL S.G. TUBE CORROSION.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>183,751.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,068.7</u>	<u>107,540.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,063.1</u>	<u>103,493.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,304,993</u>	<u>130,434,853</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>430,200</u>	<u>44,107,926</u>
19. Net Elec Ener (MWH)	<u>-2,139</u>	<u>400,151</u>	<u>41,643,416</u>
20. Unit Service Factor	<u>.0</u>	<u>29.1</u>	<u>56.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>29.1</u>	<u>56.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>25.2</u>	<u>52.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>25.2</u>	<u>52.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>19.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>13,140.4</u>

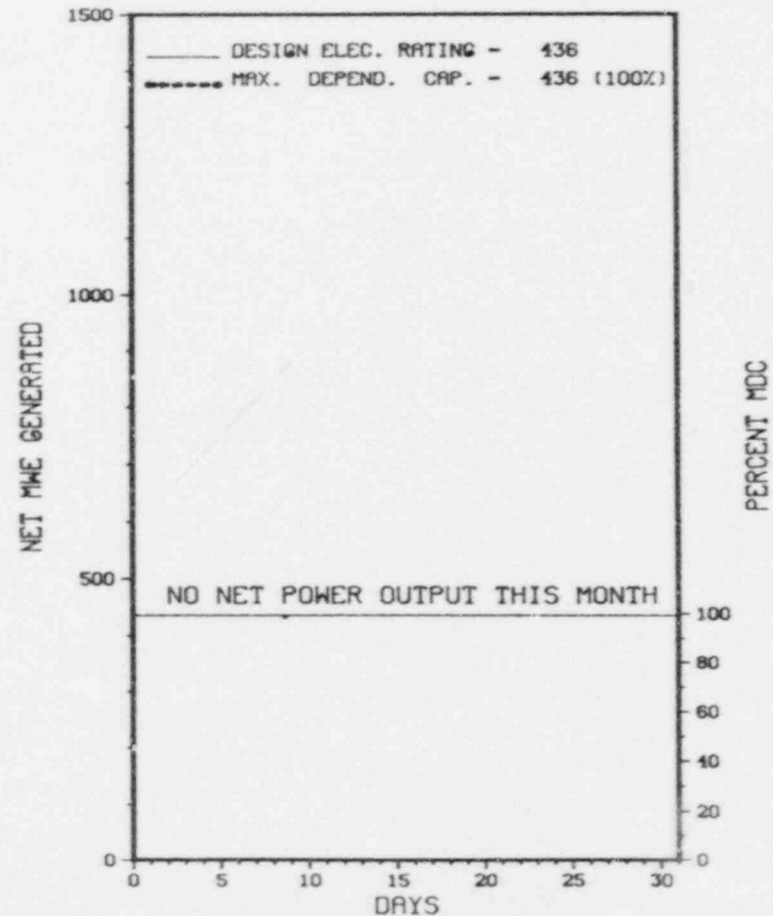
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

 * SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



MAY 1988

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
118	03/28/88	S	744.6	H	4	88-001	BA	ISV	MID-CYCLE MAINTENANCE OUTAGE EXTENDED TO UPGRADE CERTAIN COMPONENTS IN ORDER TO MEET 10CFR 50.49 REQUIREMENTS.

 * SUMMARY *

 SAN ONOFRE 1 REMAINED SHUTDOWN DURING MAY DUE TO MID-CYCLE MAINTENANCE OUTAGE AS DISCUSSED ABOVE.

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

* SAN ONOFRE 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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 FEBRUARY 28 - APRIL 9, 1988 (REPORT NO. 50-206/88-08) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF UNIT 1 OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: THE INSPECTORS NOTED AN EXAMPLE OF LICENSEE WEAKNESS IN IMPLEMENTING THE REQUIREMENTS OF STATION RIGGING PROCEDURES; THE INSPECTORS NOTED SEVERAL APPARENT EXAMPLES OF MAINTENANCE PROGRAM DEFICIENCIES; AND DURING PLANT WALKDOWNS, THE INSPECTORS NOTED SEVERAL PLANT MATERIAL CONDITION DEFICIENCIES.
- + INSPECTION ON APRIL 10 - MAY 4, 1988 (REPORT NO. 50-206/88-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-206/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-206/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 15 - JUNE 18, 1988 (REPORT NO. 50-206/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ON FEBRUARY 25, 1988, SOUTHERN CALIFORNIA EDISON IDENTIFIED TO THE NRC THAT THEY HAD IDENTIFIED SOME ENVIRONMENTAL QUALIFICATION (EQ) PROBLEMS WITH VARIOUS COMPONENTS. THESE COMPONENTS WERE PRIMARILY SOLENOID VALVES IN THE AUXILIARY FEEDWATER, CHEMICAL AND VOLUME CONTROL, SAFETY INJECTION, AND CONTAINMENT ISOLATION SYSTEMS. IN A POSTULATED HARSH ENVIRONMENT, THESE COMPONENTS COULD BECOME INOPERABLE OR CAUSE SECONDARY ELECTRICAL PROBLEMS. THE LICENSEE IDENTIFIED THAT THESE DEFICIENCIES WOULD BE CORRECTED PRIOR TO STARTUP OR JUSTIFICATION WOULD BE PROVIDED FOR CONTINUED OPERATION.

+ DURING THE OUTAGE, THE LICENSEE ALSO IDENTIFIED THAT THE CALCULATED LOADS ON THE #1 AND #2 DIESEL GENERATORS EXCEED THEIR DESIGN CAPACITY. THE LICENSEE IDENTIFIED THAT THEY WOULD RESOLVE THIS DISCREPANCY PRIOR TO STARTUP.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT HAS REMAINED SHUT DOWN SINCE FEBRUARY 13, 1988, FOR A 45-DAY PLANNED MAINTENANCE OUTAGE (NO REFUELING). THE OUTAGE WAS EXTENDED TO RESOLVE THE ENVIRONMENTAL QUALIFICATION DEFICIENCIES IDENTIFIED ABOVE.

LAST IE SITE INSPECTION DATE: 05/15 - 06/18/88+

INSPECTION REPORT NO: 50-206/88-16+

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-L0	02-25-88	03-03-88	EQ PROGRAM DEFICIENCIES
88-04-L0	02-15-88	03-25-88	FAILURE OF SAFETY INJECTION SOLENOID VALVE

1. Docket: 50-361 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: E. R. SIACOR (714) 368-6223
4. Licensed Thermal Power (MWt): 3590
5. Nameplate Rating (Gross MWe): 1127
6. Design Electrical Rating (Net MWe): 1070
7. Maximum Dependable Capacity (Gross MWe): 1127
8. Maximum Dependable Capacity (Net MWe): 1070
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>42,216.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,197.6</u>	<u>28,990.1</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>3,160.0</u>	<u>28,345.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,513,806</u>	<u>10,506,967</u>	<u>91,473,390</u>
18. Gross Elec Ener (MWH)	<u>869,974</u>	<u>3,619,013</u>	<u>30,881,587</u>
19. Net Elec Ener (MWH)	<u>830,510</u>	<u>3,442,194</u>	<u>29,231,074</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.6</u>	<u>67.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.6</u>	<u>67.1</u>
22. Unit Cap Factor (MDC Net)	<u>104.3</u>	<u>88.2</u>	<u>64.7</u>
23. Unit Cap Factor (DER Net)	<u>104.3</u>	<u>88.2</u>	<u>64.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,183.5</u>

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

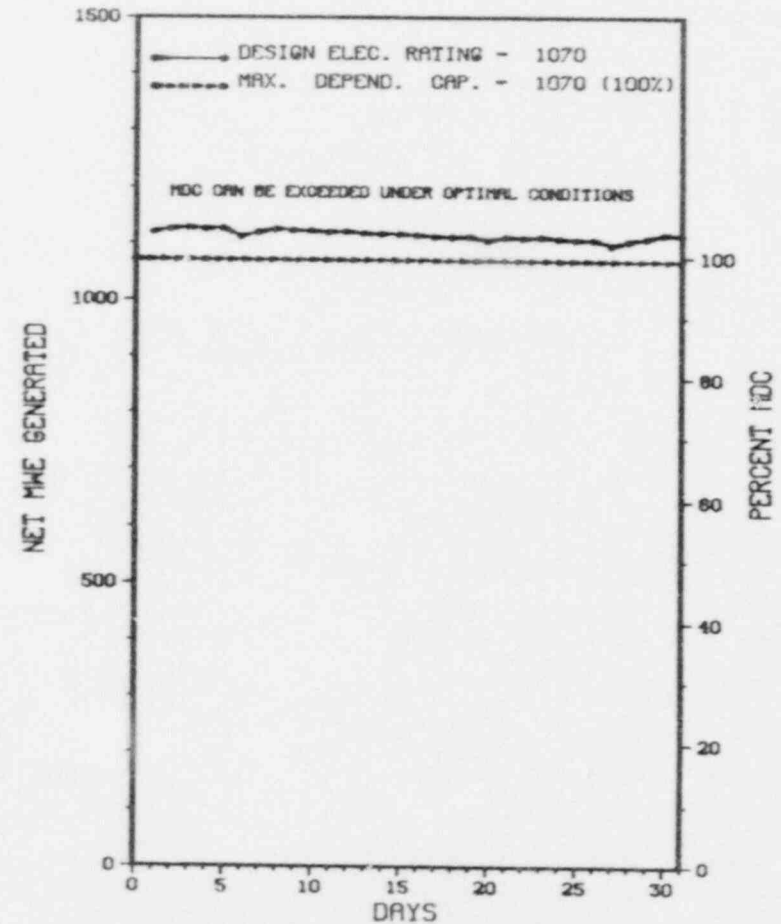
NONE

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 2 *

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

NONE

* SUMMARY *

SAN ONOFRE 2 OPERATED ROUTINELY DURING MAY
WITH NO OUTAGES OR SIGNIFICANT LOAD 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)

* SAN ONOFRE 2 *

FACILITY DATA

Report Period MAY 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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IRVINE, CA. 92713

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

INSPECTION SUMMARY

+ INSPECTION ON FEBRUARY 28 - APRIL 9, 1988 (REPORT NO. 50-361/88-08) AREAS AREA: ROUTINE RESIDENT INSPECTION OF UNIT 2 OPERATING PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: THE INSPECTORS NOTED AN EXAMPLE OF LICENSEE WEAKNESS IN IMPLEMENTING THE REQUIREMENTS OF STATION RIGGING PROCEDURES; THE INSPECTORS NOTED SEVERAL APPARENT EXAMPLES OF MAINTENANCE PROGRAM DEFICIENCIES; AND DURING PLANT WALKDOWNS, THE INSPECTORS NOTED SEVERAL PLANT MATERIAL CONDITION DEFICIENCIES.

+ INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-361/88-10) EPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 10 - MAY 14, 1988 (REPORT NO. 50-361/88-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-361/88-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 5 - 12, 1988 (REPORT NO. 50-361/88-13) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-361/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

INSPECTION SUMMARY

+ INSPECTION ON MAY 15 - JUNE 18, 1988 (REPORT NO. 50-361/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ UNIT 2 CONTINUED FULL POWER OPERATION DURING MAY.

LAST IE SITE INSPECTION DATE: 05/15 - 06/18/88+

INSPECTION REPORT NO: 50-361/88-15+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-02-10	01-19-88	02-17-88	INADVERTENT TGIS ACTUATION DUE TO HUMAN ERROR
88-03-10	01-20-88	02-18-88	INADVERTENT TGIS ACTUATION WHILE USING CLEANING SOLVENTS
88-04-10	03-10-88	04-11-88	SPURIOUS CRIS DUE TO SPIKE ON RAD MANITOR
88-04-50	03-30-88	04-29-88	10 CFR 73.71 (C) PRT RE: PARTIAL LOSS OF SCTY COMPUTER (SAFEGUARDS EVENT))
88-05-10	02-20-88	03-13-88	SPURIOUS TRAIN 'A' TGIS ACTUATION DUE TO EQUIPMENT FAILURE

1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>36,527.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,632.3</u>	<u>26,354.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,580.8</u>	<u>25,454.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,593,478</u>	<u>78,049,239</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,952,875</u>	<u>26,430,769</u>
19. Net Elec Ener (MWH)	<u>-4,084</u>	<u>2,792,477</u>	<u>24,880,143</u>
20. Unit Service Factor	<u>.0</u>	<u>70.8</u>	<u>69.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>70.8</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>70.9</u>	<u>63.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>70.9</u>	<u>63.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.4</u>	<u>9.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>299.8</u>	<u>2,708.6</u>

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

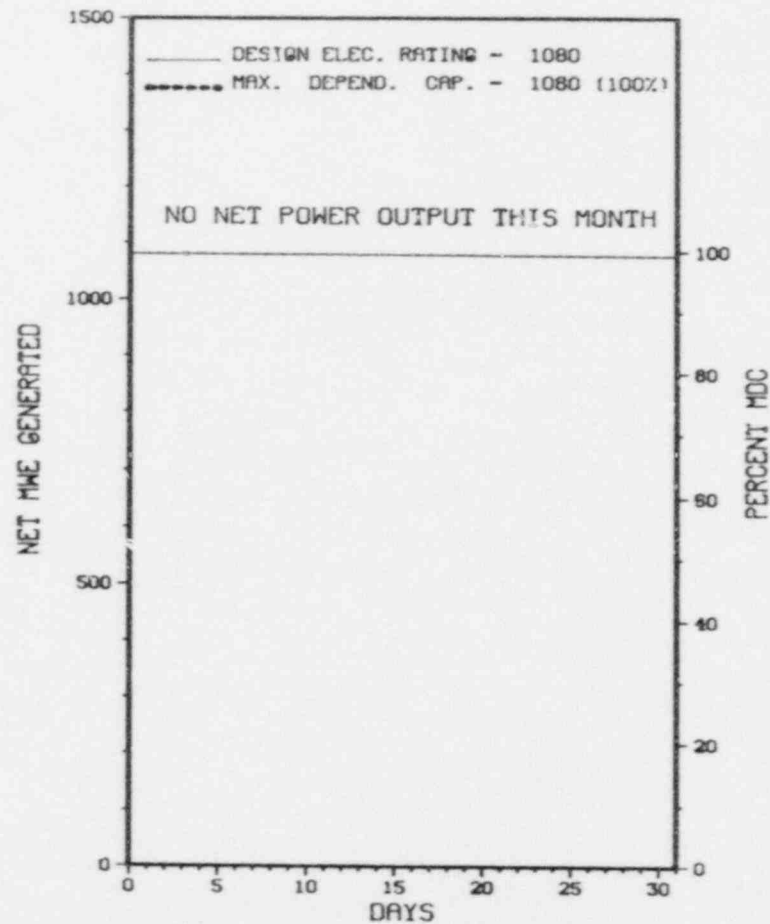
NONE

27. If Currently Shutdown Estimated Startup Date: 07/16/88

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SAN ONOFRE 3 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause / Corrective Action to Prevent Recurrence
41	04/30/88	S	744.0	C	4			CYCLE 4 REFUELING OUTAGE.

* SUMMARY *

SAN ONOFRE 3 REMAINED SHUTDOWN DURING MAY
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)

* SAN ONDFRE 3 *

FACILITY DATA

Report Period MAY 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...AUGUST 29, 1983
DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983
DATE COMMERCIAL OPERATE...APRIL 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER.....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 FEBRUARY 28 - APRIL 9, 1988 (REPORT NO. 50-362/88-08) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF UNIT 3 OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS REVIEW, AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
- RESULTS: THE INSPECTORS NOTED AN EXAMPLE OF LICENSEE WEAKNESS IN IMPLEMENTING THE REQUIREMENTS OF STATION RIGGING PROCEDURES; THE INSPECTORS NOTED SEVERAL APPARENT EXAMPLES OF MAINTENANCE PROGRAM DEFICIENCIES; AND DURING PLANT WALKDOWNS, THE INSPECTORS NOTED SEVERAL PLANT MATERIAL CONDITION DEFICIENCIES.
- + INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-362/88-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 10 - MAY 14, 1988 (REPORT NO. 50-362/88-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-362/88-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 2 - 20, 1988 (REPORT NO. 50-362/88-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JUNE 5 - 12, 1988 (REPORT NO. 50-362/88-14) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 05/01/88 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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>60,648.0</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>-3,328</u>	<u>-26,468</u>	<u>24,827,855</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>39.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>35.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>35.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>53.6</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>27,538.1</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,647.0</u>	<u>27,538.1</u>

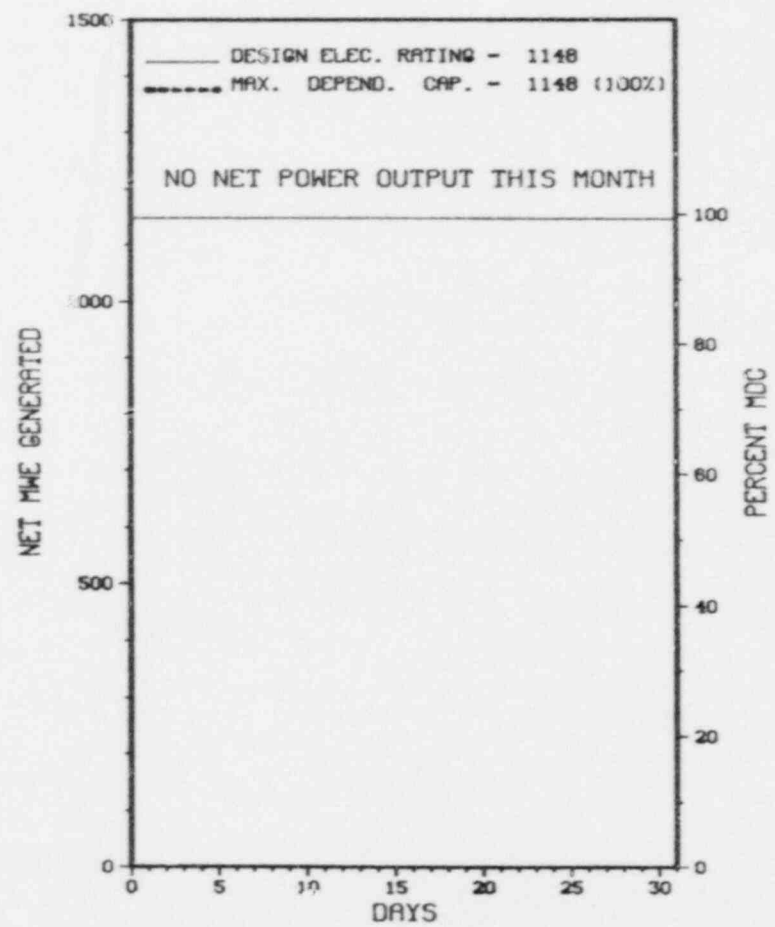
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SEQUOYAH 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SEQUOYAH 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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.

* SUMMARY *

SEQUOYAH 1 REMAINED SHUTDOWN IN MAY 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-0151)

* SEQUOYAH 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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

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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 17-21 (87-57): ANNOUNCED INSPECTION TO COMPLETE THE REVIEW OF TVA'S IMPLEMENTATION OF A PROGRAM PER THE REQUIREMENTS OF 10 CFR 50.49 FOR ESTABLISHING AND MAINTAINING THE QUALIFICATION OF ELECTRIC EQUIPMENT WITHIN THE SCOPE OF 10 CFR 50.49. THE INSPECTION IDENTIFIED NO DEFICIENCIES IN THE SQN IMPLEMENTATION OF A PROGRAM TO MEET THE REQUIREMENTS OF 50.49. BASED ON THE INSPECTORS REVIEWS AND EVALUATIONS, INSPECTION FOLLOW-UP ITEMS 50-327, 328/87-22-02 AND -03 WERE CLOSED. WHILE NO DEFICIENCIES WERE IDENTIFIED IN EQUIPMENT QUALIFICATION PROGRAM IMPLEMENTATION, SQN NEEDS TO COMPLETE THE REPLACEMENT ITEMS PROJECT (RIP) BEFORE SQN IS IN COMPLIANCE WITH 10 CFR 50.49. THIS PROJECT IS THE SUBJECT OF A SEPARATE NRC INSPECTION (INSPECTION 50-327, 328/87-40, JULY 13-24, 1987); THEREFORE, COMPLETION OF RIP IS NOT IDENTIFIED FOR FOLLOW-UP IN THIS INSPECTION REPORT.

INSPECTION DECEMBER 6 - FEBRUARY 5 (87-76): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED ON SITE 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. TWO VIOLATIONS (VIOS) WERE IDENTIFIED. FAILURE TO PERFORM ADEQUATE POST MAINTENANCE TESTING. FAILURE TO FOLLOW PROCEDURE, TWO EXAMPLES. ONE UNRESOLVED ITEM (URI) WAS IDENTIFIED DURING THIS INSPECTION. URIS ARE MATTERS ABOUT WHICH MORE INFORMATION IS REQUIRED TO DETERMINE WHETHER THEY ARE ACCEPTABLE OR MAY INVOLVE VIOLATIONS OR DEVIATIONS. FIFTH VITAL BATTERY CONCERNS. TWO INSPECTOR FOLLOWUP ITEMS (IFIS) WERE IDENTIFIED. ANUBAR FLOW INSTRUMENTS AND VERIFICATION OF HEAT EXCHANGER DIFFERENTIAL PRESSURE. CABLE ROUTING DEFICIENCIES ON UNIT 1 CABLES 1V1936A AND 1V1881A.

INSPECTION JANUARY 6-13 (88-01): THIS ANNOUNCED SPECIAL INSPECTION WAS CONDUCTED IN THE CORPORATE OFFICES IN CHATTANOOGA TO

INSPECTION SUMMARY

REVIEW THE LICENSEE'S CORRECTIVE MEASURES IN RESPONSE TO UNRESOLVED ITEM NO. 50-259,260 AND 296/86-37-01 AND 50-327 AND 328/86-58-01. THE UNRESOLVED ITEM IS CLOSED.

INSPECTION FEBRUARY 8-12 (88-14): THIS SPECIAL ANNOUNCED INSPECTION WAS CONDUCTED TO EVALUATE LICENSEE RESOLUTIONS OF INSPECTOR FOLLOWUP ITEMS RELATED TO EMERGENCY OPERATING PROCEDURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 7-18 (88-18): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED REVIEW AND EVALUATION OF THE LICENSEE'S EMERGENCY PREPAREDNESS PROGRAM. ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROVIDE REQUIRED EMERGENCY RESPONSE TRAINING FOR AN INDIVIDUAL DESIGNATED AS TECHNICAL SUPPORT CENTER COMMUNICATOR.

INSPECTION MARCH 19 - APRIL 2 (88-22): THIS ANNOUNCED INSPECTION INVOLVED ONSHIFT AND ONSITE INSPECTIONS BY THE NRC RESTART TASK FORCE. THE MAJORITY OF EXPENDED INSPECTION EFFORT WAS IN THE AREAS OF EXTENDED CONTROL ROOM OBSERVATION AND OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, AND SAFEGUARDS AND HOUSEKEEPING INSPECTIONS. OTHER AREAS INSPECTED INCLUDED MAINTENANCE OBSERVATIONS, REVIEW OF PREVIOUS INSPECTION FINDINGS FOLLOW-UP OF EVENTS, REVIEW OF LICENSEE IDENTIFIED ITEMS, AND REVIEW OF INSPECTOR FOLLOW-UP ITEMS. DURING THIS PERIOD THERE WAS EXTENSIVE CONTROL ROOM AND PLANT ACTIVITY COVERAGE BY NRC INSPECTORS AND MANAGERS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50.59, AS DOCUMENTED ON CONDITION ADVERSE TO QUALITY REPORT (CAQR SQP871738) REV. 0, THE LICENSEE EITHER FAILED TO PERFORM OR FAILED TO ADEQUATELY PERFORM WRITTEN SAFETY EVALUATIONS FOR 15 MODIFICATIONS TO THE FACILITY WHICH INVOLVED COMPENSATORY ACTIONS FOR DEFEATED SAFETY FUNCTIONS.

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, SURVEILLANCE INSTRUCTION 153.4 AND ADMINISTRATIVE INSTRUCTION -3, ON DECEMBER 14, 1987, THE LICENSEE FAILED TO ADEQUATELY IMPLEMENT SI-153.4 ON HYDROGEN RECOMBINER 2A-A, IN THAT THE REQUIREMENT TO VISUALLY VERIFY THE RECOMBINER'S ORIFICE CLEAR OF OBSTRUCTION WAS NOT ADEQUATELY CONDUCTED. ON NOVEMBER 25, 1987, THE LICENSEE FAILED TO IMPLEMENT AI-3 IN THAT A SECTION OF PIPING IN THE UNIT 2 AUXILIARY FEEDWATER SYSTEM WAS NOT DRAINED AND DEPRESSURIZED PRIOR TO ISSUING THE ASSOCIATED CLEARANCE. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, POST MAINTENANCE TESTING ON THE 2A-A EMERGENCY DIESEL GENERATOR IN SUPPORT OF THE VOLTAGE REGULATOR CARD REPLACEMENT OF NOVEMBER 8, 1986, WAS INADEQUATE IN THAT THE POST MAINTENANCE TEST CONDUCTED DID NOT TEST OPERATION OF THE VOLTAGE REGULATOR UNDER RAPID LOADING/REJECTION CONDITIONS. AS A RESULT, THE REPLACEMENT VOLTAGE REGULATOR CARD WAS NOT FOUND TO BE DEFECTIVE UNTIL OCTOBER 1987.
(8707 4)

CONTRARY TO 10 CFR 50.54(Q), 10 CFR 50.47(B)(15), SECTION 15.1 OF THE LICENSEE'S RADIOLOGICAL EMERGENCY PLAN (REP), AN INDIVIDUAL ASSIGNED TO THE POSITION OF TECHNICAL SUPPORT CENTER COMMUNICATOR HAD LAST RECEIVED REQUIRED REP TRAINING IN AUGUST 1986 (I.E., MORE THAN 18 MONTHS EARLIER), ACCORDING TO LICENSEE RECORDS.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

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1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>52,608.0</u>
13. Hours Reactor Critical	<u>380.9</u>	<u>380.9</u>	<u>22,365.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>366.0</u>	<u>366.0</u>	<u>21,860.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>780,704</u>	<u>780,704</u>	<u>69,908,678</u>
18. Gross Elec Ener (MWH)	<u>249,540</u>	<u>249,540</u>	<u>23,786,320</u>
19. Net Elec Ener (MWH)	<u>227,907</u>	<u>176,156</u>	<u>22,684,302</u>
20. Unit Service Factor	<u>49.2</u>	<u>10.0</u>	<u>41.6</u>
21. Unit Avail Factor	<u>49.2</u>	<u>10.0</u>	<u>41.6</u>
22. Unit Cap Factor (MDC Net)	<u>26.7</u>	<u>4.2</u>	<u>37.6</u>
23. Unit Cap Factor (DER Net)	<u>26.7</u>	<u>4.2</u>	<u>37.6</u>
24. Unit Forced Outage Rate	<u>50.7</u>	<u>90.0</u>	<u>54.3</u>
25. Forced Outage Hours	<u>376.6</u>	<u>3,279.6</u>	<u>25,922.9</u>

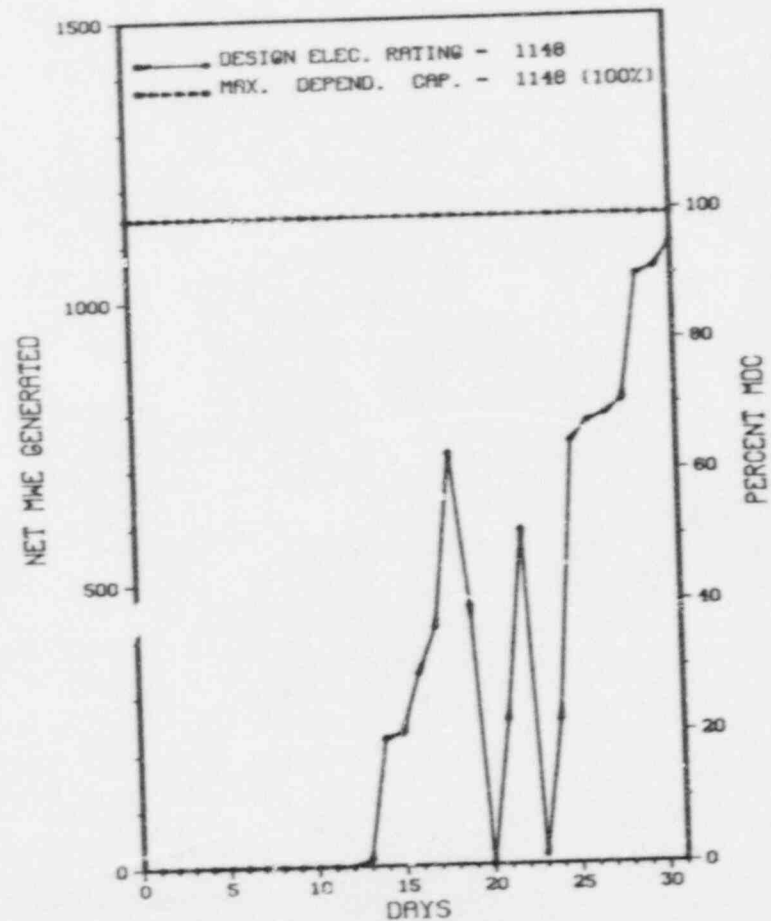
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SEQUOYAH 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
 X SEQUOYAH 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	04/30/88	F	309.1	B	4			MAINTENANCE ON PRESSURIZER.
4	05/14/88	S	1.4	B	1			TURBINE OVERSPEED TEST.
5	05/19/88	F	57.9	A	3			STEAM FLOW/FEEDFLOW MISMATCH. LO-LO S/G NO. 3.
6	05/23/88	F	29.6	F	3			LOW FLOW CAUSED BY MAINTENANCE RECALIBRATING LEVEL INDICATORS ON LOOP (RCS).

XXXXXXXXXX SEQUOYAH 2 BEGAN MAY IN AN OUTAGE. WHILE
 * SUMMARY * RETURNING TO POWER OPERATION INCURRED 3
 XXXXXXXXXXXX OUTAGES.

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

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1. Docket: 50-498 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C.A. AYALA (512) 972-8628

4. Licensed Thermal Power (Mwt): 3800

5. Nameplate Rating (Gross MWe): _____

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1250

8. Maximum Dependable Capacity (Net MWe): 1250

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>1,502.1</u>	<u>1,502.1</u>
13. Hours Reactor Critical	<u>117.4</u>	<u>795.7</u>	<u>795.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>78.2</u>	<u>680.8</u>	<u>680.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>41,693</u>	<u>708,247</u>	<u>708,247</u>
18. Gross Elec Ener (MWH)	<u>23,250</u>	<u>190,563</u>	<u>190,563</u>
19. Net Elec Ener (MWH)	<u>-11,843</u>	<u>107,572</u>	<u>107,572</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>165.3</u>	<u>278.4</u>	<u>278.4</u>

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

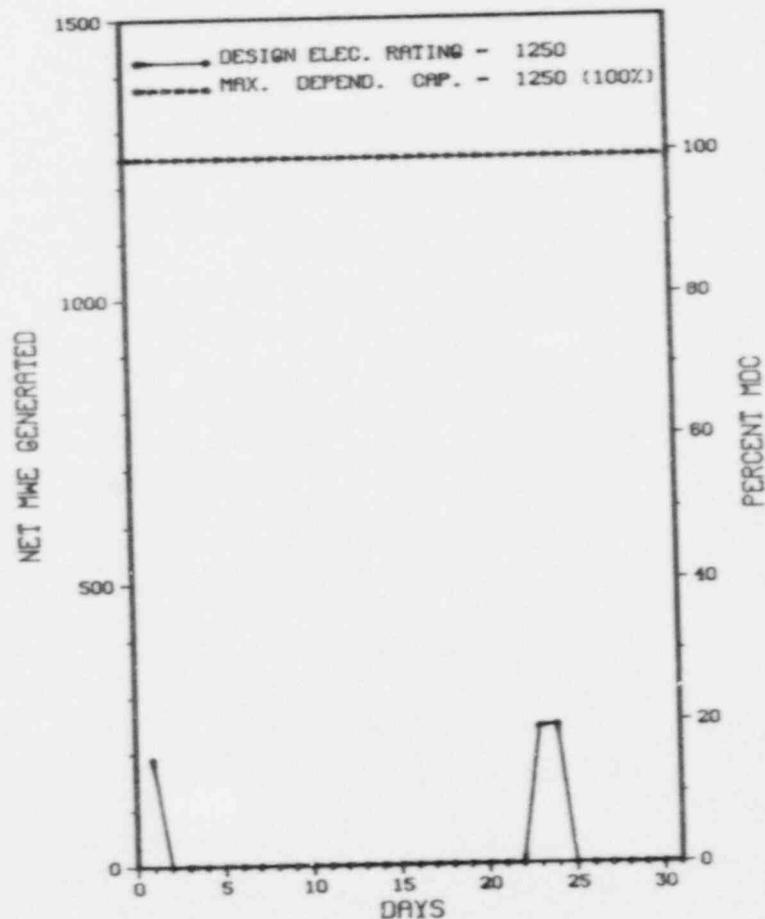
MAINTENANCE - SEPTEMBER 5, 1988 - 7 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 06/12/88

 * SOUTH TEXAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SOUTH TEXAS 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SOUTH TEXAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	05/01/88	S	500.5	B	1				SCHEDULED MAINTENANCE OUTAGE.
88-08	05/24/88	F	13.0	B	9		TA	TRB	MAIN TURBINE TRIPPED WHILE PERFORMING A SOLID STATE PROTECTION SYSTEM FUNCTIONAL TEST (RX CRITICAL).
88-09	05/25/88	F	152.3	A	1		SJ	P	STEAM GENERATOR FEED PUMP FAILURE WHILE PERFORMING THE LOSS OF OFFSITE POWER TEST.

 * SUMMARY *

 SOUTH TEXAS INCURRED 3 OUTAGES IN MAY 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 DATA

Report Period MAY 1988

FACILITY DESCRIPTION

LOCATION
STATE.....TEXAS
COUNTY.....MATAGORDA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...1? MI SSW OF
BAY CITY, TEX
TYPE OF REACTOR.....PHR
DATE INITIAL CRITICALITY...MARCH 8, 1988
DATE ELEC ENER 1ST GENER...MARCH 30, 1988
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC
CONDENSER COOLING WATER...COLORADO RIVER
ELECTRIC RELIABILITY
COUNCIL.....ELECTRIC RELIABILITY
COUNCIL OF TEXAS

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....HOUSTON LIGHTING & POWER COMPANY
CORPORATE ADDRESS.....P.O. BOX 1700
HOUSTON, TEXAS 77001
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....C. JOHNSON
LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-498
LICENSE & DATE ISSUANCE...NPF-76, MARCH 22, 1988
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BERNARD AND HIGHWAY 144
P.O. BOX 417
GLEN ROSE, TX. 76043

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: 50-335 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>100,319.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,626.1</u>	<u>76,177.9</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>3,620.0</u>	<u>74,590.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>2,000,193</u>	<u>9,729,319</u>	<u>107,495.6</u>
18. Gross Elec Ener (MWH)	<u>668,030</u>	<u>3,269,360</u>	<u>62,792,945</u>
19. Net Elec Ener (MWH)	<u>634,548</u>	<u>3,105,933</u>	<u>59,297,522</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.3</u>	<u>74.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.3</u>	<u>74.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.7</u>	<u>101.5</u>	<u>70.5</u>
23. Unit Cap Factor (DER Net)	<u>102.8</u>	<u>102.6</u>	<u>71.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>3.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>27.0</u>	<u>2,967.9</u>

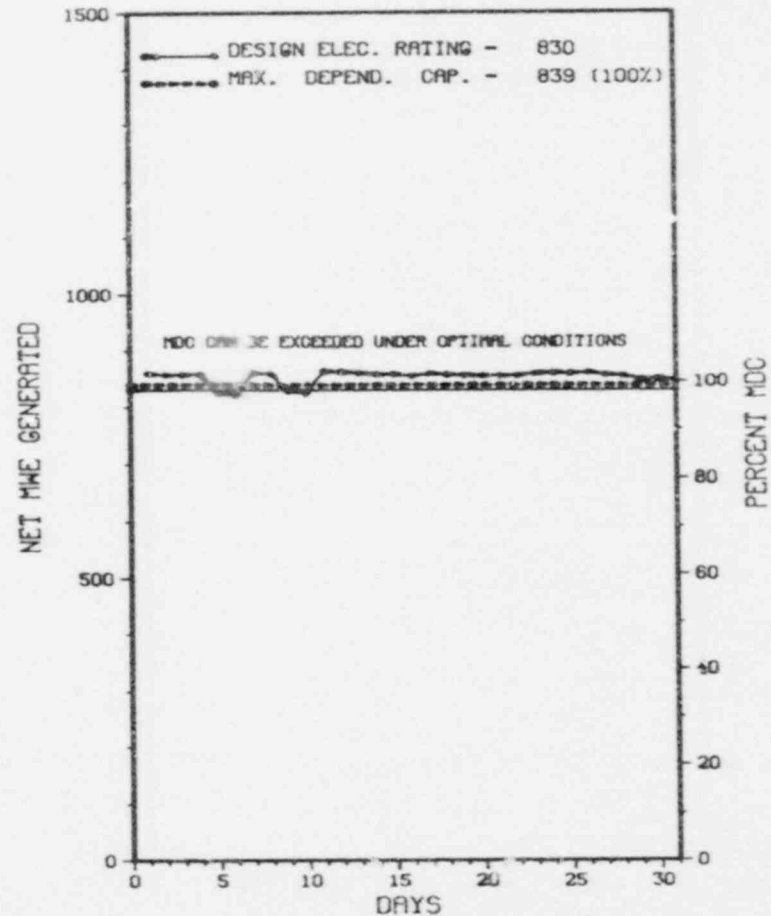
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 7/23/88 - DURATION 63 DAYS.

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

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

NONE

* SUMMARY *

ST. LUCIE 1 OPERATED ROUTINELY DURING MAY 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)

* ST LUCIE 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....SI 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...GNCE THRU

CONDENSER COOLING WATER...ATLANTIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 8-12 (88-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS: ACCESS CONTROL - PACKAGES; PROTECTION AIDS - VITAL AREAS; AND ALARM STATIONS. TWO VIOLATIONS OF REGULATORY REQUIREMENTS AND ONE INSPECTOR FOLLOWUP ITEM WERE IDENTIFIED WITHIN THE AREAS INSPECTED.

INSPECTION MARCH 14-18 (88-04): THIS SPECIAL, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS RADWASTE SYSTEMS, OFFSITE DOSE CALCULATION METHODOLOGY, AND EFFLUENT MONITORING AND SAMPLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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: MARCH 14-18, 1988 +

INSPECTION REPORT NO: 50-335/88-04 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-389 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>42,216.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>36,404.9</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>3,647.0</u>	<u>35,684.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,007,863</u>	<u>9,799,100</u>	<u>92,795,742</u>
18. Gross Elec Ener (MWH)	<u>670,860</u>	<u>3,293,540</u>	<u>30,992,200</u>
19. Net Elec Ener (MWH)	<u>636,870</u>	<u>3,127,454</u>	<u>29,295,242</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>84.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>84.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.0</u>	<u>102.2</u>	<u>82.7</u>
23. Unit Cap Factor (DER Net)	<u>103.1</u>	<u>103.3</u>	<u>83.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>6.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,511.7</u>

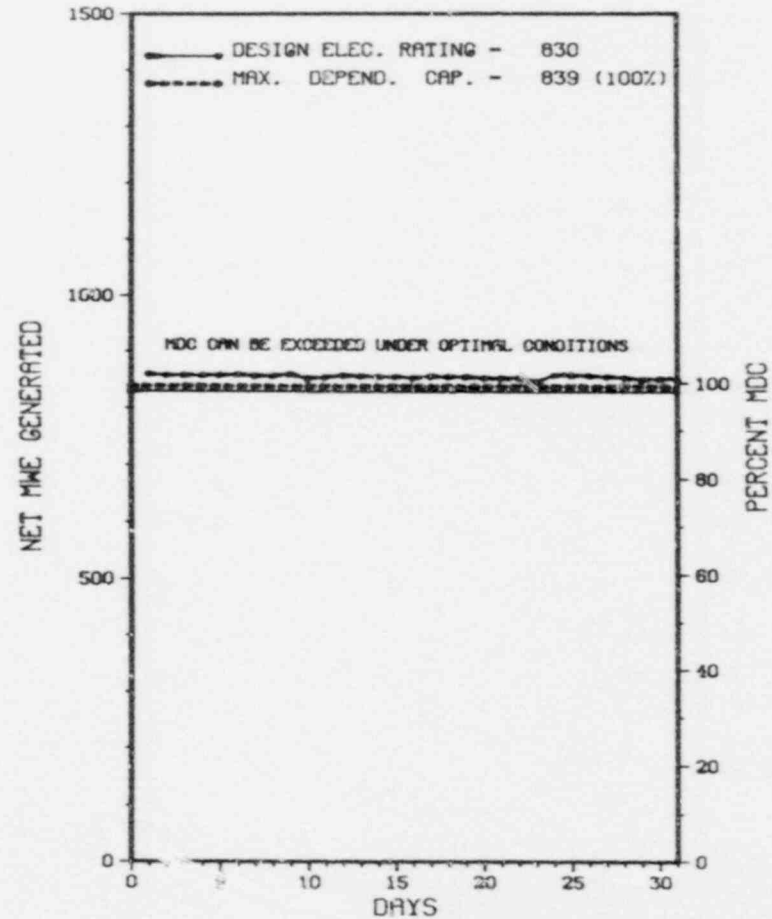
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XX
* ST LUCIE 2 *
XX

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

NONE

XXXXXXXXXX ST. LUCIE 2 OPERATED ROUTINELY DURING MAY
* SUMMARY * WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.
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)

* ST LUCIE 2 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-389
LICENSE & DATE ISSUANCE...NPF-16, JUNE 10, 1983
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 8-12 (88-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PACKAGES; DETECTION AIDS - VITAL AREAS; AND ALARM STATIONS. TWO VIOLATIONS OF REGULATORY REQUIREMENTS AND ONE INSPECTOR FOLLOWUP ITEM WERE IDENTIFIED WITHIN THE AREAS INSPECTED.

INSPECTION MARCH 14-18 (88-04): THIS SPECIAL, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS RADWASTE SYSTEMS, OFFSITE DOSE CALCULATION METHODOLOGY, AND EFFLUENT MONITORING AND SAMPLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-395 OPERATING STATUS

2. Reporting Period: 0-01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. W. HALTIWANGER (805) 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): _____

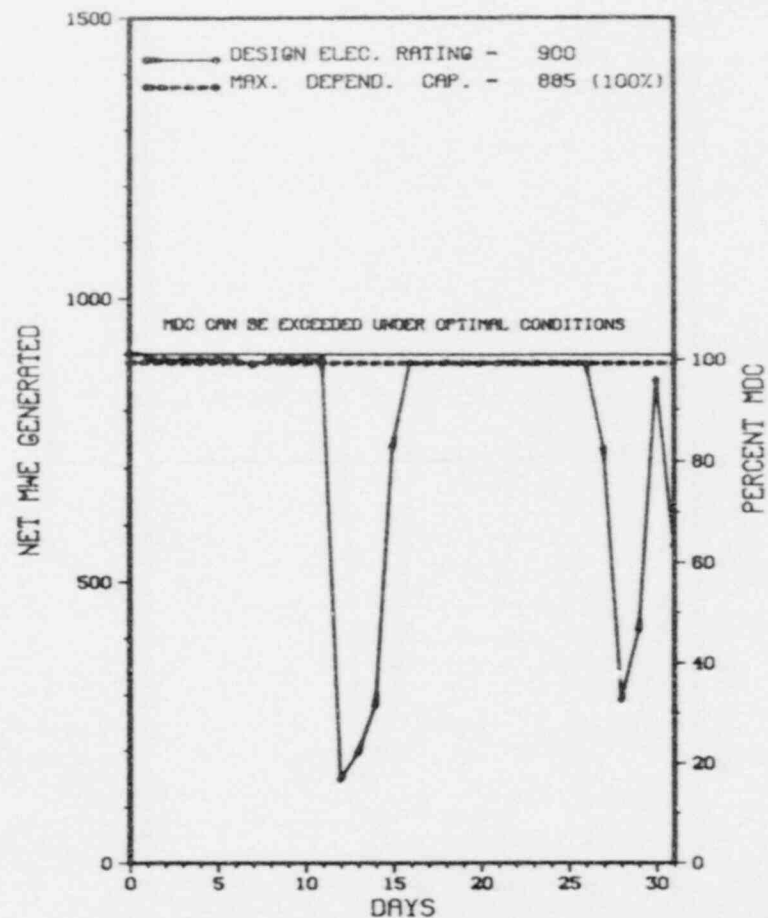
11. Reasons for Restrictions, If Any: _____

NONE

XX
 * SUMMER 1 *
 XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



MAY 1988

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>38,711.0</u>
13. Hours Reactor Critical	<u>727.7</u>	<u>3,595.8</u>	<u>30,264.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>723.7</u>	<u>3,583.6</u>	<u>29,711.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,810,598</u>	<u>9,711,256</u>	<u>78,494,936</u>
18. Gross Elec Ener (MWH)	<u>597,000</u>	<u>3,238,660</u>	<u>26,068,073</u>
19. Net Elec Ener (MWH)	<u>570,111</u>	<u>3,104,669</u>	<u>24,844,252</u>
20. Unit Service Factor	<u>97.3</u>	<u>98.3</u>	<u>76.8</u>
21. Unit Avail Factor	<u>97.3</u>	<u>98.3</u>	<u>76.8</u>
22. Unit Cap Factor (MDC Net)	<u>86.6</u>	<u>96.2</u>	<u>72.5</u>
23. Unit Cap Factor (DER Net)	<u>85.1</u>	<u>94.6</u>	<u>71.3</u>
24. Unit Forced Outage Rate	<u>2.7</u>	<u>1.7</u>	<u>6.0</u>
25. Forced Outage Hours	<u>20.3</u>	<u>63.4</u>	<u>1,886.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, SEPTEMBER 16, 1988, 85 DAY DURATION.

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

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	05/12/88	F	20.3	A	3				REPAIR SWITCH FOR MSIV.
3	05/27/88	F	0.0	B	5				REPAIR CONDENSER TUBE LEAKS.
4	05/31/88	F	0.0	H	5				SECONDARY CHEMISTRY OUT OF SPEC.

 * SUMMARY *

 SUMMER 1 INCURRED 2 LOAD REDUCTIONS AND 1 FORCED OUTAGE 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: 50-280 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647,0</u>	<u>135,359,0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,312,6</u>	<u>87,052,2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774,5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,297,6</u>	<u>85,268,4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736,2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,322,810</u>	<u>197,550,076</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,794,685</u>	<u>64,169,858</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,705,504</u>	<u>60,857,666</u>
20. Unit Service Factor	<u>.0</u>	<u>63,0</u>	<u>63,0</u>
21. Unit Avail Factor	<u>.0</u>	<u>63,0</u>	<u>65,8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>59,9</u>	<u>57,6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>59,3</u>	<u>57,1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3,3</u>	<u>17,6</u>
25. Forced Outage Hours	<u>.0</u>	<u>79,2</u>	<u>14,499,5</u>

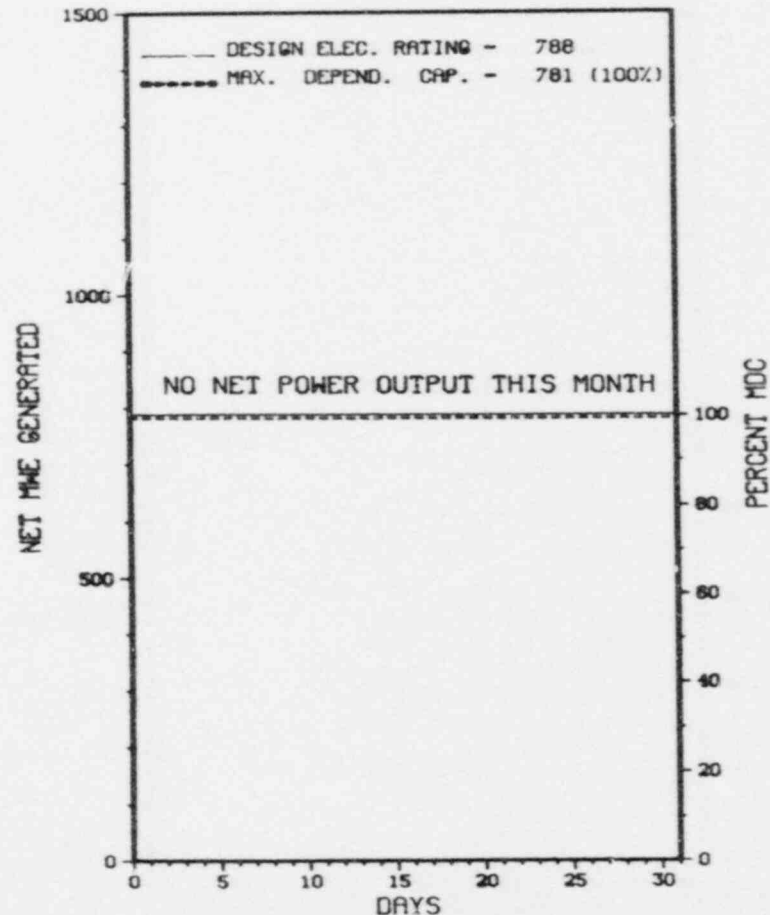
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 06/24/88

 * SURRY 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-05	04/09/88	S	744.0	C	4			UNIT SHUTDOWN FOR REFUELING OUTAGE.

* SUMMARY *

SURRY 1 REMAINED SHUTDOWN DURING MAY FOR SCHEDULED REFUELING.

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

* SURRY 1 *

FACILITY DATA

Report Period MAY 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-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION MARCH 7-11 (88-08): THIS ROUTINE, UNANNOUNCED SECURITY INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED.

INSPECTION FEBRUARY 28 - APRIL 2 (88-09): THIS ROUTINE, RESIDENT INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF PLANT OPERATIONS, PLANT MAINTENANCE, PLANT SURVEILLANCE, AND LICENSEE EVENT REPORT REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS INSPECTION REPORT.

INSPECTION MARCH 5-11 (88-10): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW POTENTIAL RADIATION EXPOSURES IN EXCESS OF NRC LIMITS ASSOCIATED WITH THE FREEING OF AN INCORE DETECTOR WHICH HAD BECOME LODGED IN A THIMBLE TUBE IN THE CORE OF THE UNIT 2 REACTOR. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ADEQUATELY EVALUATE THE RADIATION HAZARDS PRESENT DURING WORK ON AN INCORE DETECTOR, INADEQUATE PROCEDURES FOR FREEING THE INCORE DETECTOR AND FOR BRIEFING THOSE INVOLVED IN THE WORK AND FAILURE TO CONDUCT OPERATIONS IN ACCORDANCE WITH APPROVED PROCEDURES.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>132,239.0</u>
13. Hours Reactor Critical	<u>363.4</u>	<u>3,048.2</u>	<u>87,716.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>363.4</u>	<u>3,020.3</u>	<u>86,318.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>872,882</u>	<u>7,301,877</u>	<u>202,472,226</u>
18. Gross Elec Ener (MWH)	<u>290,075</u>	<u>2,433,760</u>	<u>65,801,584</u>
19. Net Elec Ener (MWH)	<u>276,123</u>	<u>2,316,598</u>	<u>62,395,379</u>
20. Unit Service Factor	<u>48.8</u>	<u>82.8</u>	<u>65.3</u>
21. Unit Avail Factor	<u>48.8</u>	<u>82.8</u>	<u>65.3</u>
22. Unit Cap Factor (MDC Net)	<u>47.5</u>	<u>81.3</u>	<u>60.4</u>
23. Unit Cap Factor (DER Net)	<u>47.1</u>	<u>80.6</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>51.2</u>	<u>17.2</u>	<u>14.1</u>
25. Forced Outage Hours	<u>380.6</u>	<u>626.7</u>	<u>11,485.8</u>

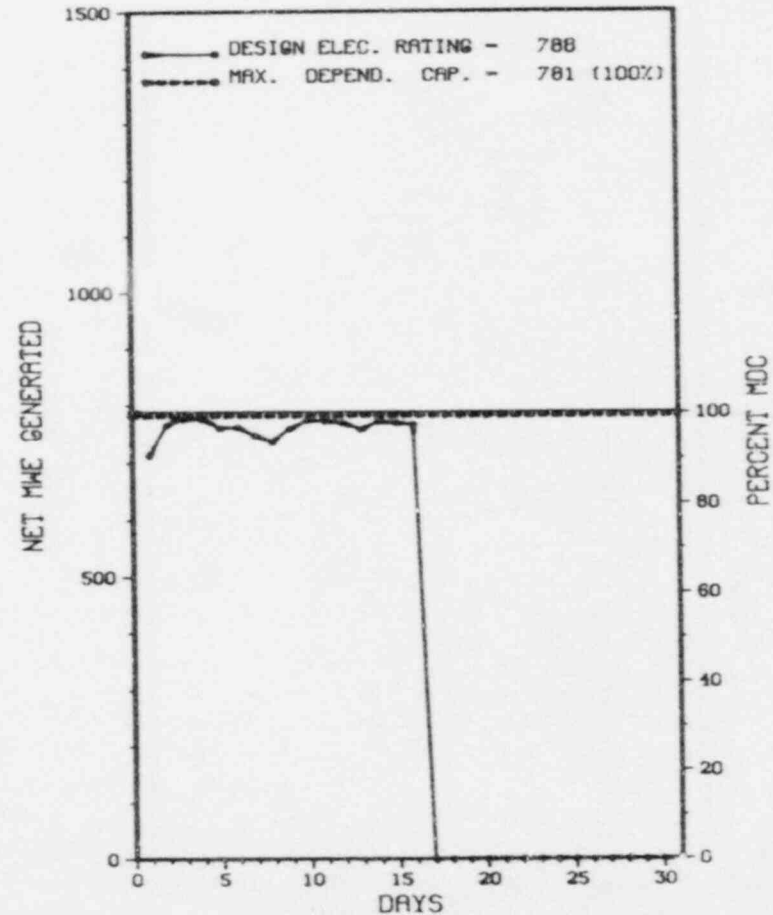
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 09/02/88, 62 DAY DURATION.

27. If Currently Shutdc.in Estimated Startup Date: 06/01/88

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



MAY 1988

* SURRY 2 *

FACILITY DATA

Report Period MAY 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 MARCH 7 (88-9): THIS ROUTINE, UNANNOUNCED SECURITY INSPECTION INVOLVED A REVIEW OF THE FOLLOWING AREAS: RECORDS AND REPORTS; TESTING MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT OF ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED.

INSPECTION FEBRUARY 28 - APRIL 2 (88-09): THIS ROUTINE, RESIDENT INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF PLANT OPERATIONS, PLANT MAINTENANCE, PLANT SURVEILLANCE, AND LICENSEE EVENT REPORT REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIS INSPECTION REPORT.

INSPECTION MARCH 5-11 (88-10): THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED TO REVIEW POTENTIAL RADIATION EXPOSURES IN EXCESS OF NRC LIMITS ASSOCIATED WITH THE FREEING OF AN INCORE DETECTOR WHICH HAD BECOME LODGED IN A THIMBLE TUBE IN THE CORE OF THE UNIT 2 REACTOR. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ADEQUATELY EVALUATE THE RADIATION HAZARDS PRESENT DURING WORK ON AN INCORE DETECTOR, INADEQUATE PROCEDURES FOR FREEING THE INCORE DETECTOR AND FOR BRIEFING THOSE INVOLVED IN THE WORK AND FAILURE TO CONDUCT OPERATIONS IN ACCORDANCE WITH APPROVED PROCEDURES.

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: 05/01/88 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): 1230 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

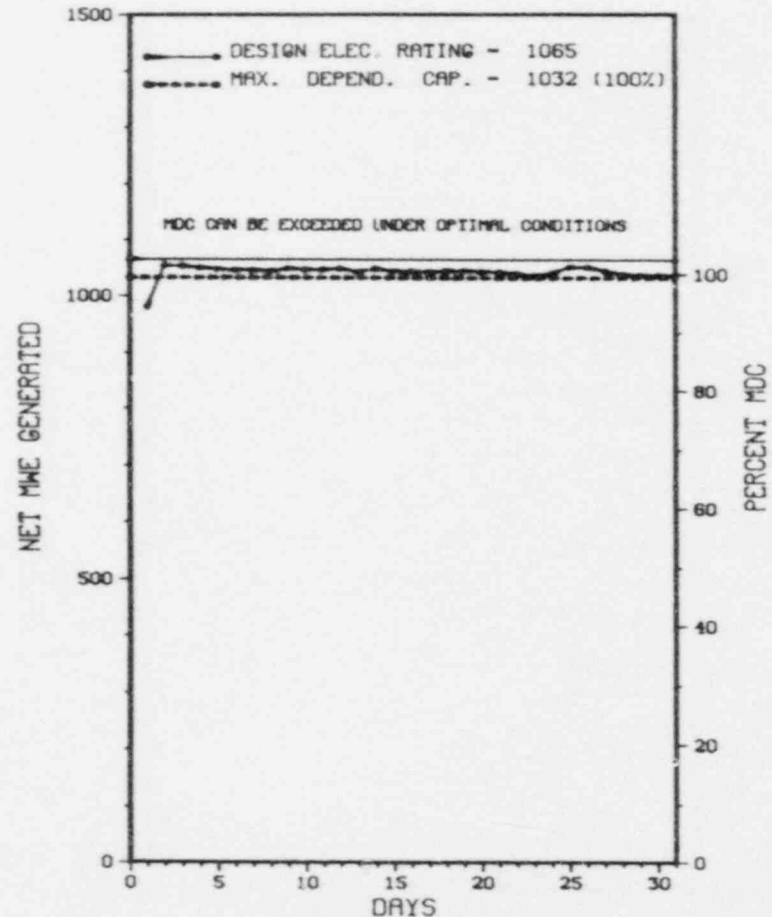
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>43,680.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,372.0</u>	<u>32,026.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>773.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,328.4</u>	<u>31,277.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,446,779</u>	<u>10,701,440</u>	<u>96,747,865</u>
18. Gross Elec Ener (MWH)	<u>801,890</u>	<u>3,578,002</u>	<u>31,538,601</u>
19. Net Elec Ener (MWH)	<u>775,857</u>	<u>3,406,019</u>	<u>30,253,415</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.3</u>	<u>71.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.3</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>101.0</u>	<u>90.5</u>	<u>67.1</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>87.7</u>	<u>65.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>10.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>149.0</u>	<u>3,565.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 1 *

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

NONE

* SUMMARY *

SUSQUEHANNA 1 OPERATED ROUTINELY DURING MAY
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)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period MAY 1983

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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.....F. YOUNG
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.

REPORTS FROM LICENSEE

=====

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

=====

1. Docket: 50-388 O P E R A T I N G S T A T U S
 2. Reporting Period: 05/01/88 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:

 * SUSQUEHANNA 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2

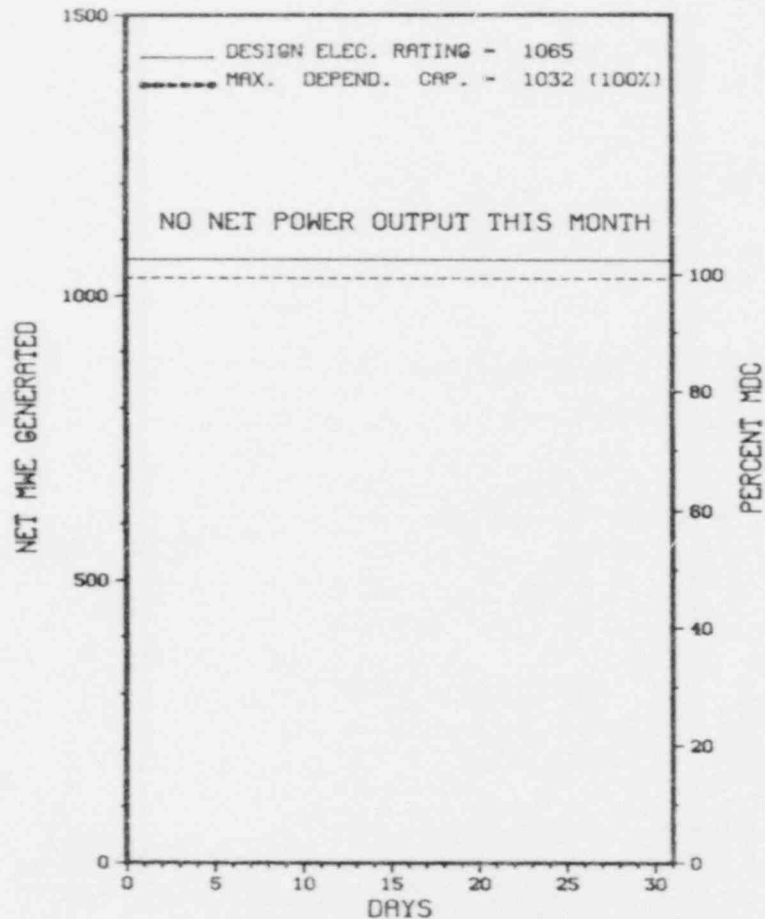
10. Power Level To Which Restricted, If Any (Net MWe): _____
 11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>28,919.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,560.0</u>	<u>23,111.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>693.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,536.5</u>	<u>22,697.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,798,980</u>	<u>71,424,698</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,572,662</u>	<u>23,379,424</u>
19. Net Elec Ener (MWH)	<u>-10,710</u>	<u>1,500,975</u>	<u>22,501,939</u>
20. Unit Service Factor	<u>.0</u>	<u>42.1</u>	<u>78.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>42.1</u>	<u>78.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.9</u>	<u>75.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.6</u>	<u>73.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>8.6</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):

NONE

27. If Currently Shutdown Estimated Startup Date: 06/18/88



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/05/88	S	744.0	C	4		ZZZ	ZZZZZ	UNIT TWO IS CURRENTLY SHUTDOWN FOR ITS SECOND REFUELING AND INSPECTION OUTAGE. THE END OF THE OUTAGE IS PROJECTED TO BE JUNE 18, 1988.

* SUMMARY *

SUSQUEHANNA 2 REMAINED SHUTDOWN DURING MAY FOR SCHEDULED REFUELING AND INSPECTION OUTAGE.

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

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period MAY 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.....F. YOUNG
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 * / 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
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NO INPUT PROVIDED.

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1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>120,504.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,585.4</u>	<u>50,105.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>61.6</u>	<u>1,947.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,583.4</u>	<u>49,183.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,881,781</u>	<u>9,042,649</u>	<u>119,530,349</u>
18. Gross Elec Ener (MWH)	<u>641,626</u>	<u>3,108,846</u>	<u>39,977,067</u>
19. Net Elec Ener (MWH)	<u>606,588</u>	<u>2,936,683</u>	<u>37,440,966</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>40.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.3</u>	<u>40.8</u>
22. Unit Cap Factor (MDC Net)	<u>105.1</u>	<u>103.8</u>	<u>39.8*</u>
23. Unit Cap Factor (DER Net)	<u>99.5</u>	<u>98.3</u>	<u>37.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.7</u>	<u>54.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>63.6</u>	<u>59,376.5</u>

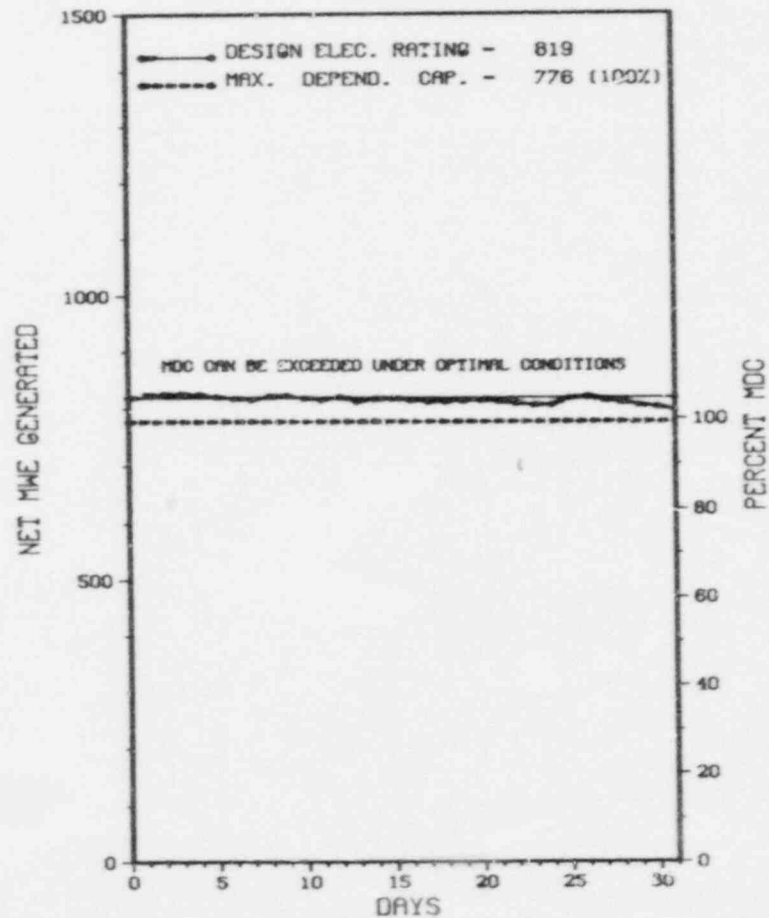
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, JUNE 17, 1988 DURATION 64 DAYS.

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



MFY 1988

* Item calculated with a Weighted Average

Report Period MAY 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 DURING
 MAY WITH NO OUTAGES OR SIGNIFICANT LOAD
 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 *

FACILITY DATA

Report Period MAY 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):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>102,983.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,344.6</u>	<u>64,689.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,342.2</u>	<u>63,013.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>7,955,428</u>	<u>201,300,792</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,692,463</u>	<u>65,580,534</u>
19. Net Elec Ener (MWH)	<u>-2,419</u>	<u>2,565,938</u>	<u>62,065,215</u>
20. Unit Service Factor	<u>.0</u>	<u>64.2</u>	<u>61.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>64.2</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>64.3</u>	<u>55.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>62.3</u>	<u>53.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.2</u>	<u>13.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>129.1</u>	<u>9,932.6</u>

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

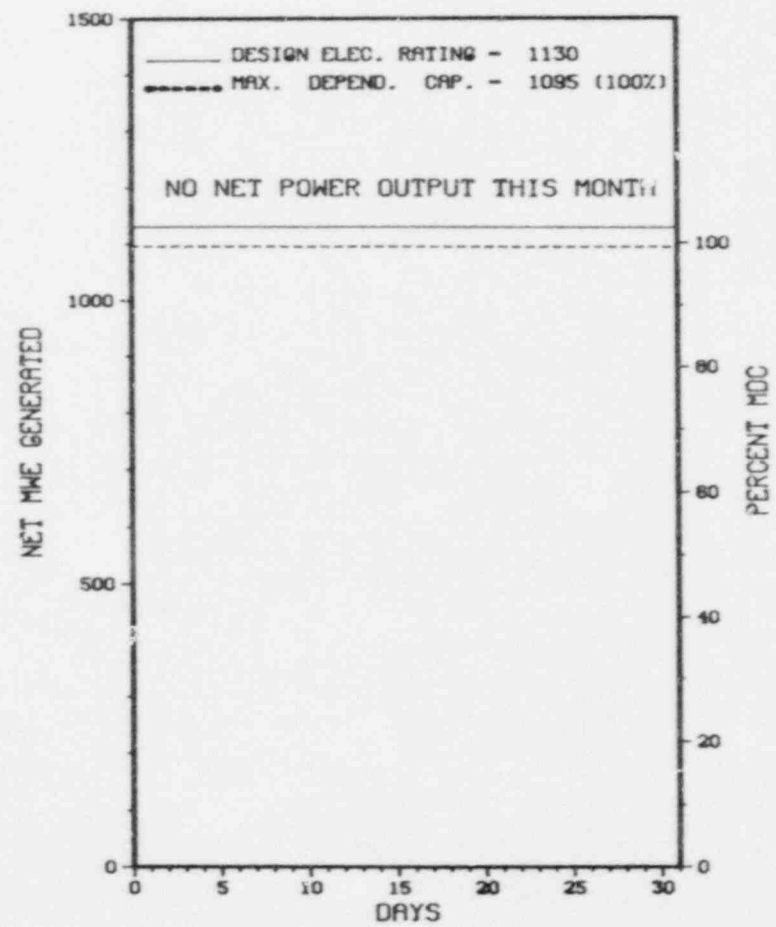
NONE

27. If Currently Shutdown Estimated Startup Date: 06/15/88

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * TROJAN *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXX
* TROJAN *
XXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/13/88	S	744.0	C	4				ANNUAL REFUELING/MAINTENANCE OUTAGE.

XXXXXXXXXXXX TROJAN REMAINED SHUTDOWN IN MAY FOR SCHEDULED REFUELING OUTAGE.
* 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)

* TROJAN *

FACILITY DATA

Report Period MAY 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 MARCH 27 - MAY 7, 1988 (REPORT NO. 50-344/88-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 25 - 29, 1988 (REPORT NO. 50-344/88-15) AREAS INSPECTED: THIS ROUTINE, UNANNOUNCED INSPECTION BY THE PROJECT INSPECTOR INVOLVED THE EVALUATION OF THE DESIGN BASES OF THE DIESEL GENERATORS, REVIEW OF THE TESTS AND EXPERIMENTS PROGRAM, REVIEW OF THE QUALITY ASSURANCES PROGRAM OF MEASURING AND TEST EQUIPMENT, AND ONSITE FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.
RESULTS: NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE DESIGN BASES DOCUMENT OF THE DIESEL GENERATORS WAS EXTENSIVE AND THOROUGH. REFERENCES WERE COMPLETE AND IN ORDER. THE TESTS AND EXPERIMENT PROGRAM WAS ADEQUATE; HOWEVER, THE ADMINISTRATIVE ORDER PROCEDURE CONTROLLING IT NEEDED TO BE REVISED TO BECOME CURRENT WITH THE INTENDED REFERENCES. THE MEASURING AND TEST EQUIPMENT PROGRAM WAS EXTENSIVE AND INDICATED A THOROUGH AND KNOWLEDGEABLE STAFF FOR PERFORMING THE CALIBRATIONS.
- + INSPECTION ON APRIL 21 - MAY 20, 1988 (REPORT NO. 50-344/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 18 - 21, 1988 (REPORT NO 50-344/88-17) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S FIRE PROTECTION PROGRAM IMPLEMENTATION AND ACTION ON PREVIOUS NRC INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 05/01/88 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

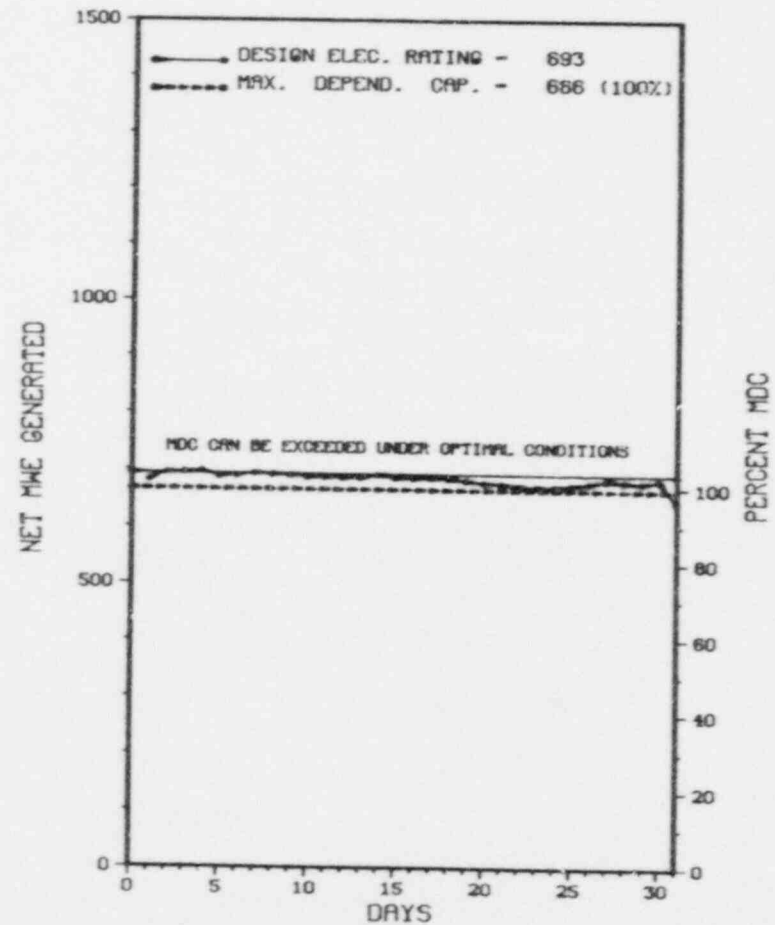
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>135,776.6</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,458.4</u>	<u>92,153.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,373.0</u>	<u>89,168.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,638,874</u>	<u>4,974,546</u>	<u>184,778,811</u>
18. Gross Elec Ener (MWH)	<u>533,200</u>	<u>1,615,975</u>	<u>59,213,976</u>
19. Net Elec Ener (MWH)	<u>508,705</u>	<u>1,521,069</u>	<u>55,999,855</u>
20. Unit Service Factor	<u>100.0</u>	<u>65.1</u>	<u>65.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>65.1</u>	<u>65.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>62.6</u>	<u>63.3*</u>
23. Unit Cap Factor (DER Net)	<u>98.7</u>	<u>60.2</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>34.6</u>	<u>11.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,258.1</u>	<u>10,505.4</u>

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

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 3



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 3 *

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

 * SUMMARY *

 TURKEY POINT 3 OPERATED ROUTINELY DURING MAY
 WITH NO OUTAGES OR SIGNIFICANT LOAD 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)

* TURKEY POINT 3 *

FACILITY DATA

Report Period MAY 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. BUTCHER

LICENSING PROJ MANAGER....G. EDISON
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 22-25 (88-01): THIS SPECIAL, ANNOUNCED INSPECTION WAS AN EMERGENCY RESPONSE FACILITIES (ERF) APPRAISAL. AREAS EXAMINED DURING THE APPRAISAL INCLUDED A REVIEW OF SELECTED PROCEDURES AND REPRESENTATIVE RECORDS, THE ERF'S AND RELATED EQUIPMENT, AND INTERVIEWS WITH LICENSEE PERSONNEL. SELECTED ACTIVITIES WERE OBSERVED DURING THE 1988 ANNUAL EXERCISE TO DETERMINE THE ADEQUACY OF THE ERF'S AND RELATED EQUIPMENT. TWO VIOLATIONS WERE IDENTIFIED, NAMELY: FAILURE TO PROVIDE ADEQUATE METHODS, SYSTEMS AND EQUIPMENT FOR ASSESSING AND MONITORING ACTUAL OR POTENTIAL OFFSITE CONSEQUENCES OF A RADIOLOGICAL EMERGENCY CONDITION, FAILURE TO PROVIDE WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES TO CONTROL THE COMPUTER BASED DOSE CALCULATION MODEL.

INSPECTION JANUARY 18 - FEBRUARY 25 (88-02): 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, FACILITY MODIFICATIONS AND PLANT EVENTS. ONE VIOLATION WITH THREE EXAMPLES FOR FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 6.8.1 WAS IDENTIFIED.

INSPECTION MARCH 21-25 (88-05): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS WASTE PROCESSING, LIQUID AND GASEOUS EFFLUENTS, EFFLUENT MONITORING, POST ACCIDENT SAMPLING, CONFIRMATORY MEASUREMENTS AND ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 25 - MARCH 25 (88-07): 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, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS AND PLANT EVENTS. ONE VIOLATION WITH THREE EXAMPLES FOR

INSPECTION SUMMARY

FAILURE TO MEET THE REQUIREMENTS OF TS 6.8.1 WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, ANSI N18.7-1972, SECTION 5.1.2, ADMINISTRATIVE PROCEDURE 0103.41, ADMINISTRATIVE PROCEDURE 0-ADM-503, AND APPENDIX A, OF REGULATORY GUIDE 1.33 AND OPERATIONS SURVEILLANCE PROCEDURES 0-OSP-201.4, ENTITLED AUXILIARY NUCLEAR PLANT OPERATOR (ANPO) DAILY LOGS, REVISION DATED NOVEMBER 17, 1987: (A) ON FEBRUARY 5, 1988, VALVE 3-50-449 WAS FOUND CLOSED AND ICW STRAINER 1402 HAD NOT BEEN CLEANED. CONSEQUENTLY, DPI 3-1402 WAS READING OFF-SCALE HIGH. (B) PRIOR TO MARCH 1987, TWO UNIT 3 FLOW INDICATORS, FI-3-1407 AND FI-3-1409, WERE REMOVED FROM THE ICW SYSTEM WITHOUT ADMINISTRATIVE AUTHORIZATION. THEY REMAINED ABSENT UNTIL FEBRUARY 1988, WHEN FI-3-1407 WAS REINSTALLED AND TEMPORARY SYSTEM ALTERATION CONTROLS WERE IMPOSED ON THE REMOVAL OF FI-3-1409. (C) PROCEDURE 0-OSP-201.4 WAS NOT ADEQUATE, IN THAT IT CONTAINED NON-CONSERVATIVE ACCEPTANCE CRITERIA. IF ICW PUMP DISCHARGE PRESSURE EXCEEDED APPROXIMATELY 40 PSIG THEN SYSTEM FLOW WOULD NOT HAVE BEEN SUFFICIENT TO MEET DESIGN BASIS ASSUMPTIONS.
(8800 4)

CONTRARY TO 6.8.1, REGULATORY GUIDE 1.33, APPENDIX A, ITEM 8.8.(1).(R), OPERATING PROCEDURE 0204.2, ENTITLED PERIODIC TESTS, CHECKS, AND OPERATING EVOLUTIONS, REVISION DATED FEBRUARY 11, 1988, AP 0103.4, ENTITLED IN-PLANT EQUIPMENT CLEARANCE ORDERS, REVISION DATED FEBRUARY 2, 1988, SECTION 4.21: (1) CONTRARY TO THE ABOVE, ON FEBRUARY 24, 1988, VALVE 3-40-1688, VENT VALVE TRAIN 1 BOTTLE 1, AFW N2 BACKUP WAS FOUND LOCKWIRED OPEN AND MECHANICALLY CAPPED. (2) ON THREE OCCASIONS, CLEARANCE ORDER 4-87-11-23 FOR VALVE 4-349 G, THE 4B BORIC ACID TRANSFER PUMP (BATP) DISCHARGE PRESSURE INDICATION ISOLATION VALVE, WAS NOT BEING MAINTAINED: (A) ON FEBRUARY 11, 1988, VALVE 4-349 G WAS FOUND OPENED ON A TEMPORARY LIFT DATED JANUARY 26, 1988, FOR THE INSERVICE TESTING (IST) OF THE 4B BATP. THE TEMPORARY LIFT WAS NOT RELEASED UPON COMPLETION OF THE IST, THUS THE VALVE WAS LEFT OPEN. (B) ON FEBRUARY 17, 1988, VALVE 4-349 G WAS FOUND OPEN AND CLEARANCE TAG 4-87-11-23 WAS MISSING. THERE WAS NO RECORD OF A TEMPORARY LIFT WHICH WOULD OPEN THE VALVE. (C) ON MARCH 3, 1988, VALVE 4-349G WAS AGAIN FOUND OPEN ON A TEMPORARY LIFT DATED FEBRUARY 29, 1988. (3) ON MARCH 19, 1988, VALVE 4-371 WAS FOUND ONLY TO BE APPROXIMATELY ONE-FOURTH OPEN FOLLOWING REMOVAL OF CLEARANCE 3-88-061, THEREFORE REDUCING THE REQUIRED INTAKE COOLING WATER FLOW THROUGH THE HEAT EXCHANGER.
(8800 5)

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: FEBRUARY 25 - MARCH 25, 1988 +

OTHER ITEMS

INSPECTION REPORT NO: 50-250/88-07 +

REPORTS FROM LICENSEE

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-003	03/04/88	04/07/88	CONTAINMENT VENTILATION AND CONTROL ROOM VENTILATION ISOLAT WHILE CONTAIN PARTICULATE RAD MONITOR SETPOINT WAS BEING CHECK
88-004	03/18/88	04/15/88	AUXILIARY FEEDWATER INITIATION ON LOW S/G LEVEL DUE TO INADEQUATE MONITORING OF STEAM GENERATOR LEVEL; PERSONNEL ERROR

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1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (MWh): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

11. Reasons for Restrictions, If Any: NONE

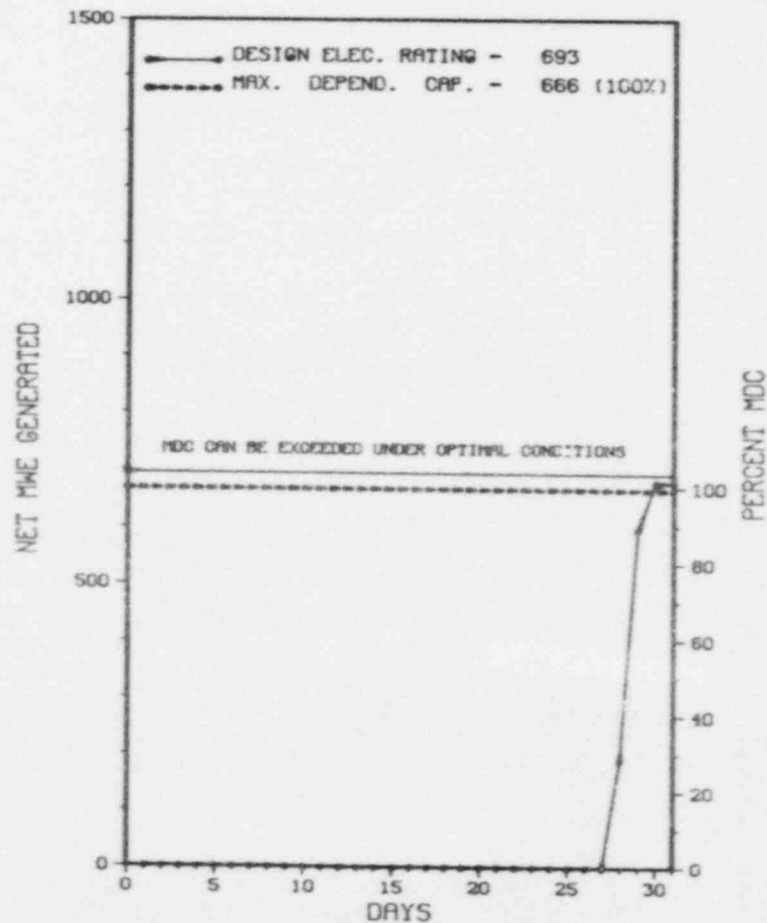
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>129,504.0</u>
13. Hours Reactor Critical	<u>98.1</u>	<u>2,525.9</u>	<u>87,712.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>87.7</u>	<u>2,471.3</u>	<u>84,684.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>171,287</u>	<u>5,259,712</u>	<u>178,724,335</u>
18. Gross Elec Ener (MWH)	<u>54,475</u>	<u>1,730,975</u>	<u>57,030,799</u>
19. Net Elec Ener (MWH)	<u>43,158</u>	<u>1,636,845</u>	<u>53,958,676</u>
20. Unit Service Factor	<u>11.8</u>	<u>67.8</u>	<u>65.4</u>
21. Unit Avail Factor	<u>11.8</u>	<u>67.8</u>	<u>65.4</u>
22. Unit Cap Factor (MDC Net)	<u>8.7</u>	<u>67.4</u>	<u>63.9*</u>
23. Unit Cap Factor (DER Net)	<u>8.4</u>	<u>64.8</u>	<u>60.1</u>
24. Unit Forced Outage Rate	<u>88.2</u>	<u>32.2</u>	<u>11.6</u>
25. Forced Outage Hours	<u>656.3</u>	<u>1,174.5</u>	<u>10,755.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - 9/17/88 - DURATION 105 DAYS.

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



MAY 1988

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
08	04/27/88	F	656.3	A	4		PC	VALVEX	UNIT #4 REMAINED SHUTDOWN TO COMPLETE REPAIRS OF THE PRESSURIZER SPRAY VALVES. ADDITIONAL REPAIRS TO THE CONTAINMENT PURGE ISOLATION VALVES WERE PERFORMED TO RETURN THE STROKE TIME TO WITHIN SPECIFICATION AND THE RESIDUAL HEAT REMOVAL SUCTION ISOLATION VALVE TO CORRECT BINDING PROBLEMS. ADDITIONAL MISCELLANEOUS REPAIRS WERE PERFORMED AND THE UNIT WAS RETURNED TO FULL POWER OPERATION FOLLOWING MINOR POWER ASCENSION HOLDS FOR SECONDARY CHEMISTRY, REACTOR FLUX MAPPING, AND REPAIRS TO THE B MAIN FEEDWATER PUMP.

 * SUMMARY *

 TURKEY POINT 4 ENTERED MAY SHUTDOWN, AS DISCUSSED ABOVE, AND RETURNED TO POWER AT END OF MONTH.

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

* TURKEY POINT 4 *

FACILITY DATA

Report Period MAY 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...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. BUTCHER
LICENSING PROJ MANAGER.....G. EDISON
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
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MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 22-25 (88-01): THIS SPECIAL, ANNOUNCED INSPECTION WAS AN EMERGENCY RESPONSE FACILITIES (ERF) APPRAISAL. AREAS EXAMINED DURING THE APPRAISAL INCLUDED A REVIEW OF SELECTED PROCEDURES AND REPRESENTATIVE RECORDS, THE ERFS AND RELATED EQUIPMENT, AND INTERVIEWS WITH LICENSEE PERSONNEL. SELECTED ACTIVITIES WERE OBSERVED DURING THE 1988 ANNUAL EXERCISE TO DETERMINE THE ADEQUACY OF THE ERFS AND RELATED EQUIPMENT. TWO VIOLATIONS WERE IDENTIFIED, NAMELY: FAILURE TO PROVIDE ADEQUATE METHODS, SYSTEMS AND EQUIPMENT FOR ASSESSING AND MONITORING ACTUAL OR POTENTIAL OFFSITE CONSEQUENCES OF A RADIOLOGICAL EMERGENCY CONDITION, FAILURE TO PROVIDE WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES TO CONTROL THE COMPUTER BASED DOSE CALCULATION MODEL.

INSPECTION JANUARY 18 - FEBRUARY 25 (88-02): 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, FACILITY MODIFICATIONS AND PLANT EVENTS. ONE VIOLATION WITH THREE EXAMPLES FOR FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 6.8.1 WAS IDENTIFIED.

INSPECTION MARCH 21-25 (88-05): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS WASTE PROCESSING, LIQUID AND GASEOUS EFFLUENTS, EFFLUENT MONITORING, POST ACCIDENT SAMPLING, CONFIRMATORY MEASUREMENTS AND ENVIRONMENTAL MONITORING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 25 - MARCH 25 (88-07): 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, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS AND PLANT EVENTS. ONE VIOLATION WITH THREE EXAMPLES FOR

INSPECTION SUMMARY

FAILURE TO MEET THE REQUIREMENTS OF TS 6.8.1 WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, ANSI N18.7-1972, SECTION 5.1.2, ADMINISTRATIVE PROCEDURE 0103.41, ADMINISTRATIVE PROCEDURE 0-ADM-503, AND APPENDIX A, OF REGULATORY GUIDE 1.33 AND OPERATIONS SURVEILLANCE PROCEDURES 0-OSP-201.4, ENTITLED AUXILIARY NUCLEAR PLANT OPERATOR (ANPO) DAILY LOGS, REVISION DATED NOVEMBER 17, 1987: (A) ON FEBRUARY 5, 1988, VALVE 3-50-449 WAS FOUND CLOSED AND ICW STRAINER 1402 HAD NOT BEEN CLEANED. CONSEQUENTLY, DPI 3-1402 WAS READING OFF-SCALE HIGH. (B) PRIOR TO MARCH 1987, TWO UNIT 3 FLOW INDICATORS, FI-3-1407 AND FI-3-1409, WERE REMOVED FROM THE ICW SYSTEM WITHOUT ADMINISTRATIVE AUTHORIZATION. THEY REMAINED ABSENT UNTIL FEBRUARY 1988, WHEN FI-3-1407 WAS REINSTALLED AND TEMPORARY SYSTEM ALTERATION CONTROLS WERE IMPOSED ON THE REMOVAL OF FI-3-1409. (C) PROCEDURE 0-OSP-201.4 WAS NOT ADEQUATE, IN THAT IT CONTAINED NON-CONSERVATIVE ACCEPTANCE CRITERIA. IF ICW PUMP DISCHARGE PRESSURE EXCEEDED APPROXIMATELY 40 PSIG THEN SYSTEM FLOW WOULD NOT HAVE BEEN SUFFICIENT TO MEET DESIGN BASIS ASSUMPTIONS.
(8800 4)

CONTRARY TO 6.8.1, REGULATORY GUIDE 1.33, APPENDIX A, ITEM 8.B.(1).(R), OPERATING PROCEDURE 0204.2, ENTITLED PERIODIC TESTS, CHECKS, AND OPERATING EVOLUTIONS, REVISION DATED FEBRUARY 11, 1988, AP 0103.4, ENTITLED IN-PLANT EQUIPMENT CLEARANCE ORDERS, REVISION DATED FEBRUARY 2, 1988, SECTION 4.21: (1) CONTRARY TO THE ABOVE, ON FEBRUARY 24, 1988, VALVE 3-40-1688, VENT VALVE TRAIN 1 BOTTLE 1, AFW N2 BACKUP WAS FOUND LOCKWIRED OPEN AND MECHANICALLY CAPPED. (2) ON THREE OCCASIONS, CLEARANCE ORDER 4-87-11-23 FOR VALVE 4-349 G, THE 4B BORIC ACID TRANSFER PUMP (BATP) DISCHARGE PRESSURE INDICATION ISOLATION VALVE, WAS NOT BEING MAINTAINED: (A) ON FEBRUARY 11, 1988, VALVE 4-349 G WAS FOUND OPENED ON A TEMPORARY LIFT DATED JANUARY 26, 1988, FOR THE INSERVICE TESTING (IST) OF THE 4B BATP. THE TEMPORARY LIFT WAS NOT RELEASED UPON COMPLETION OF THE IST, THUS THE VALVE WAS LEFT OPEN. (B) ON FEBRUARY 17, 1988, VALVE 4-349 G WAS FOUND OPEN AND CLEARANCE TAG 4-87-11-23 WAS MISSING. THERE WAS NO RECORD OF A TEMPORARY LIFT WHICH WOULD OPEN THE VALVE. (C) ON MARCH 3, 1988, VALVE 4-349G WAS AGAIN FOUND OPEN ON A TEMPORARY LIFT DATED FEBRUARY 29, 1988. (3) ON MARCH 19, 1988, VALVE 4-371 WAS FOUND ONLY TO BE APPROXIMATELY ONE-FOURTH OPEN FOLLOWING REMOVAL OF CLEARANCE 3-88-061, THEREFORE REDUCING THE REQUIRED INTAKE COOLING WATER FLOW THROUGH THE HEAT EXCHANGER. 10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED IN THE LICENSEE'S APPROVED QUALITY ASSURANCE TOPICAL REPORT, CE-1-A, REQUIRES THAT DESIGN CHANGES BE TREATED WITH THE SAME DESIGN CONTROL MEASURES AS THE ORIGINAL DESIGN, INCLUDING APPROPRIATE APPROVALS. COMMONWEALTH EDISON QUALITY ASSURANCE MANUAL PROCEDURE 3-51, ATTACHMENT A, STATES THAT MODIFICATIONS WHICH ARE TEMPORARY ALTERATIONS, SUCH AS BLIND FLANGES, WILL BE ADMINISTRATIVELY CONTROLLED OUTSIDE THE SCOPE OF QP 3-51. ZION STATION ADMINISTRATIVE PROCEDURE ZAP-0, CONDUCT OF OPERATIONS, PARAGRAPH 5.3.10, STATES THAT TEMPORARY ALTERATIONS, INCLUDING TEMPORARY MECHANICAL SYSTEM CHANGES SUCH AS THE INSTALLATION OF BLANK FLANGES, SHALL BE CONDUCTED IN ACCORDANCE WITH ZAP 3-51-4. CONTRARY TO THE ABOVE, ON MARCH 4 THROUGH 15, 1988, A TEMPORARY ALTERATION WAS NOT CONDUCTED IN ACCORDANCE WITH ZAP 3-51-4, IN THAT A BLANK FLANGE WAS INSTALLED ON THE SUPPLY PLENUM TO THE CONTROL ROOM CHARCOAL BOOSTER FANS, AND NO TEMPORARY ALTERATION CONTROLS REQUIRED BY ZAP 3-51-4 WERE USED.
(8800 5)

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:

Report Period MAY 1988

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

* TURKEY POINT 4 *

OTHER ITEMS

PEP IN PROGRESS.

PLANT STATUS:

REFUELING OUTAGE. PLANT IN COLD SHUTDOWN.

LAST IE SITE INSPECTION DATE: FEBRUARY 25 - MARCH 25, 1988 +

INSPECTION REPORT NO: 50-251/88-07 +

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

NCNE.			

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1. Docket: 50-271 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: G. A. WALLIN (802) 257-7711 X2272
4. Licensed Thermal Power (MWT): 1593
5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563
6. Design Electrical Rating (Net MWe): 514
7. Maximum Dependable Capacity (Gross MWe): 535
8. Maximum Dependable Capacity (Net MWe): 504
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

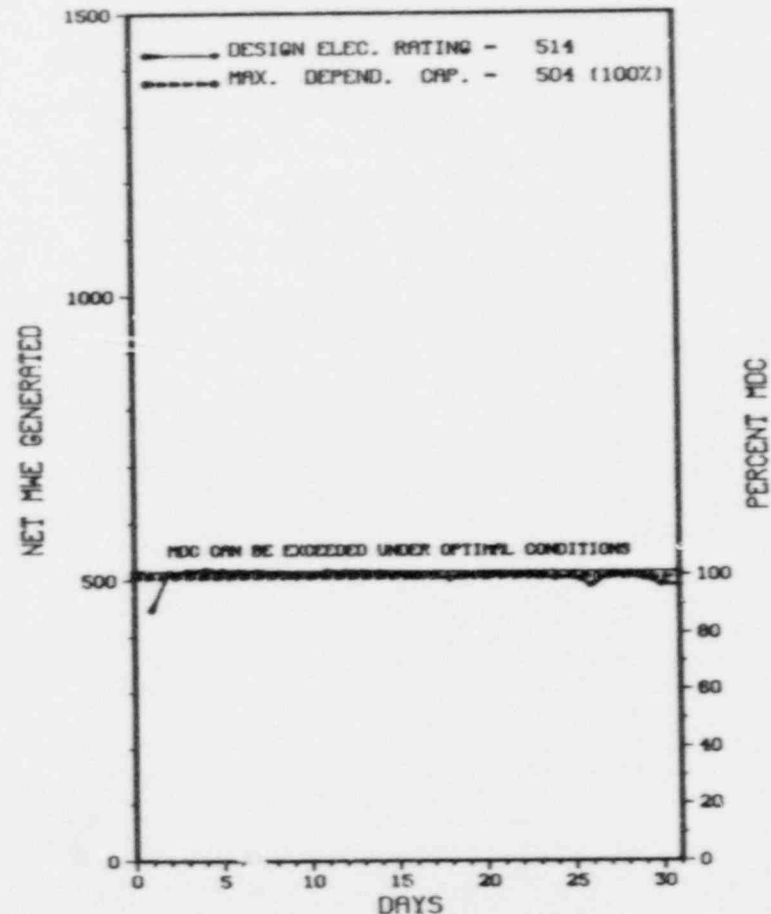
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,647.0</u>	<u>137,569.8</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,647.0</u>	<u>108,492.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,647.0</u>	<u>105,937.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,177,043</u>	<u>5,746,701</u>	<u>155,487,399</u>
18. Gross Elec Ener (MWH)	<u>393,812</u>	<u>1,939,510</u>	<u>51,779,454</u>
19. Net Elec Ener (MWH)	<u>375,776</u>	<u>1,858,138</u>	<u>49,153,225</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.2</u>	<u>101.1</u>	<u>70.9</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>99.1</u>	<u>69.5</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>5,593.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A

 X V E R M O N T Y A N K E E 1 X

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



MAY 1988

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

 * SUMMARY *

 VERMONT YANKEE OPERATED ROUTINELY IN MAY 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
	H-Other	4-Continued	Data Entry Sheet
	D-Regulatory Restriction	5-Reduced Load	Licensee Event Report
	E-Operator Training	9-Other	(LER) File (NUREG-0161)
	& License Examination		

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period MAY 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.

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: 50-424 OPERATING STATUS

2. Reporting Period: 05/01/88 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:
NONE

10. 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>3,647,0</u>	<u>8,784,0</u>
13. Hours Reactor Critical	<u>744,0</u>	<u>2,968,9</u>	<u>7,017,0</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>2,902,6</u>	<u>6,823,0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MHP)	<u>2,531,355</u>	<u>9,647,596</u>	<u>22,308,534</u>
18. Gross Elec Ener (MWH)	<u>846,310</u>	<u>3,217,360</u>	<u>7,401,250</u>
19. Net Elec Ener (MWH)	<u>506,590</u>	<u>3,031,330</u>	<u>6,952,850</u>
20. Unit Service Factor	<u>100,0</u>	<u>79,6</u>	<u>77,7</u>
21. Unit Avail Factor	<u>100,0</u>	<u>79,6</u>	<u>77,7</u>
22. Unit Cap Factor (MDC Net)	<u>100,5</u>	<u>77,0</u>	<u>73,4</u>
23. Unit Cap Factor (DER Net)	<u>98,5</u>	<u>75,5</u>	<u>71,9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19,4</u>	<u>19,4</u>
25. Forced Outage Hours	<u>.0</u>	<u>697,3</u>	<u>1,640,9</u>

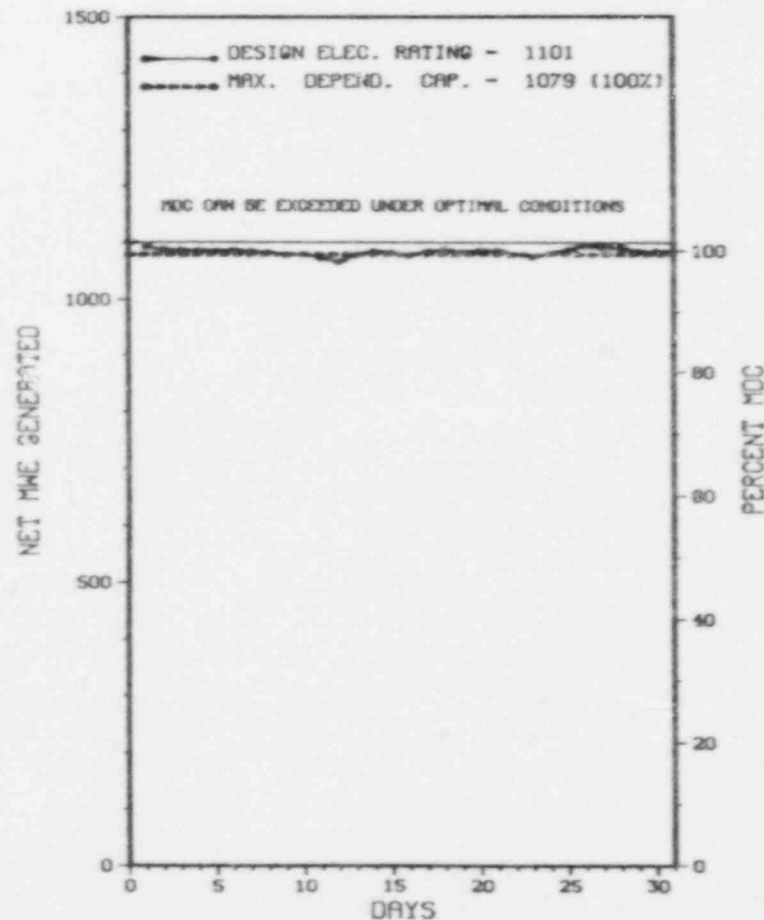
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING- SEPTEMBER 19, 1988, 50 DAY DURATION.

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

* VOGTLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VOGTLE 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* VOGTLE 1 *

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

 * SUMMARY *

 VOGTLE 1 OPERATED ROUTINELY IN MAY 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
	H-Other	4-Continued	Data Entry Sheet
	D-Regulatory Restriction	5-Reduced Load	Licensee Event Report
	E-Operator Training	9-Other	(LER) File (NUREG-0161)
	& License Examination		

* VOGTLE 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

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 & CONTRACTOR INFORMATION

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 FEBRUARY 27 - MARCH 25 (88-15): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED RESIDENT INSPECTION IN THE FOLLOWING AREAS: PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE, SURVEILLANCE, FIRE PROTECTION, SECURITY, AND QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 7-10 (88-16): THIS SPECIAL, ANNOUNCED INSPECTION WAS IN THE AREAS OF SAFE SHUTDOWN OF THE UNIT 1 WITH LIMITED STAFF IN THE EVENT OF A MAIN CONTROL ROOM FIRE AND EQUIPMENT ACTUATIONS DUE TO FIRE INDUCED SPURIOUS SIGNALS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>30,367.2</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,223.2</u>	<u>22,130.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>340.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,176.2</u>	<u>21,318.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>381.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>6,719,698</u>	<u>57,102,465</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,244,320</u>	<u>19,061,460</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>2,166,352</u>	<u>18,334,304</u>
20. Unit Service Factor	<u>.0</u>	<u>59.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.7</u>	<u>71.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>54.2</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>54.0</u>	<u>54.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>24.6</u>	<u>9.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>709.2</u>	<u>2,354.3</u>

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

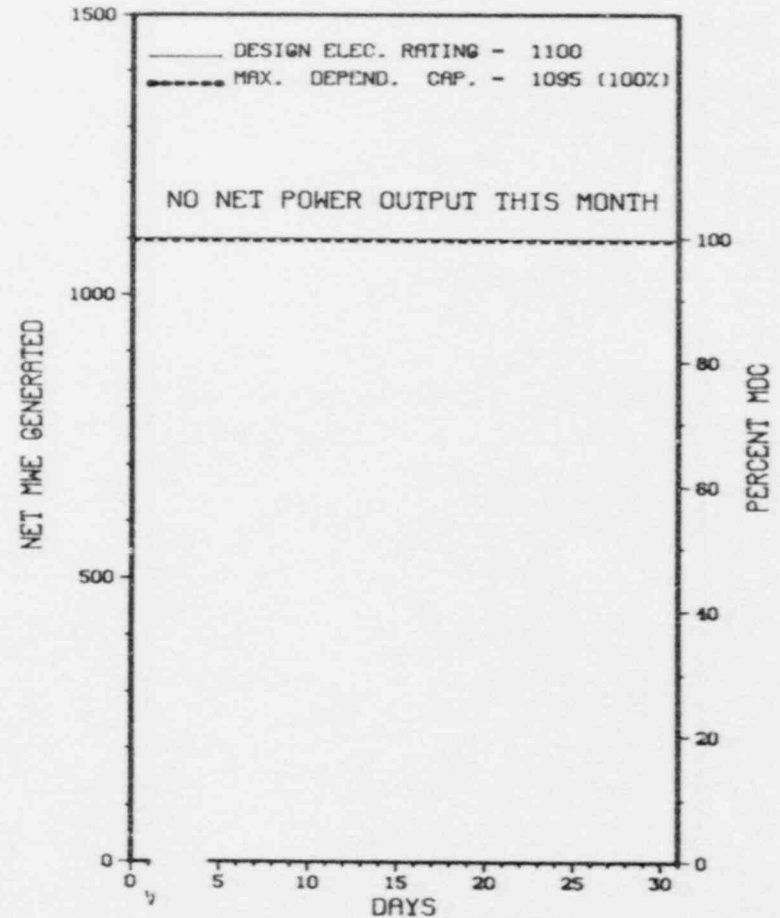
NONE

27. If Currently Shutdown Estimated Startup Date: 06/13/88

 * WASHINGTON NUCLEAR 2 *

 AVERAGE DAILY POWER LEVEL (iWe) PLOT

WASHINGTON NUCLEAR 2



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	04/30/88	S	744.0	C	4		RC	FUELXX	REFUEL OUTAGE CONTINUING.

* SUMMARY *

WASHINGTON NUCLEAR 2 REMAINED SHUTDOWN IN MAY 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 MAY 1988

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 APRIL 26 - 29, 1988 (REPORT NO. 50-397/88-06) AREAS INSPECTED: UNANNOUNCED, ROUTINE INSPECTION IN THE AREA OF OPERATIONAL STATUS OF THE EMERGENCY PREPAREDNESS PROGRAM AND FOLLOW-UP ON FIVE OPEN ITEMS IDENTIFIED DURING PREVIOUS EMERGENCY PREPAREDNESS INSPECTIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 1, 1987 - MAY 31, 1988 (REPORT NO. 50-397/88-08) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE.

+ INSPECTION ON MARCH 11 - APRIL 8, 1988 (REPORT NO. 50-397/88-10) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, NEW FUEL INSPECTION AND HANDLING, SPECIAL INSPECTION TOPICS, ANNUAL REVIEW OF INFORMATION NOTICES, 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 APRIL 25 - MAY 13, 1988 (REPORT NO. 50-397/88-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 7 - 14, 1988 (REPORT NO. 50-397/88-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PLANT WATER CHEMISTRY CONTROL AND CHEMICAL ANALYSIS, RADIOCHEMICAL ANALYSIS, POST-ACCIDENT SAMPLING, AND QUALITY ASSURANCE OF PLANT CHEMISTRY

INSPECTION SUMMARY

ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON APRIL 9 - MAY 19, 1988 (REPORT NO. 50-397/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 1 - 5, 1988 (REPORT NO. 50-397/88-15) REPORT CANCELLED.
- + INSPECTION ON JUNE 6 - 10, 1988 (REPORT NO. 50-397/88-16) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JUNE 18 - 24, 1988 (REPORT NO. 50-397/88-17) INSPECTION CONTINUING; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 9 - 13, 1988 (REPORT NO. 50-397/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 20, 1988 (REPORT NO. 50-397/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 16 - 25, 1988 (REPORT NO. 50-397/88-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 20 - JUNE 30, 1988 (REPORT NO. 50-397/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

JUNE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ DURING MOTOR OPERATED VALVE TESTING, THE LICENSEE IDENTIFIED NUMEROUS DISCREPANCIES WITH MELAMINE TORQUE SWITCHES AND HARDENING OF GREASE IN MOTOR OPERATORS LOCATED IN THE STEAM TUNNEL AND THE DRYWELL. THE LICENSEE IS INVESTIGATING THE CAUSE OF THESE DISCREPANCIES DURING THE OUTAGE.

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT CONTINUED ITS REFUELING OUTAGE DURING MAY. THE LICENSEE EXPECTS TO RETURN THE UNIT TO SERVICE IN MIDDLE JUNE.

LAST IE SITE INSPECTION DATE: 05/20 - 06/30/88+

INSPECTION REPORT NO: 50-397/88-21+

Report Period MAY 1988

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

* WASHINGTON NUCLEAR 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
88-06-L0	02-13-88	03-14-88	LOW REACTOR VESSEL LEVEL RPS ACTUATION DUE TO INADEQUATE PROCEDURES
88-07-L0	02-14-88	03-16-88	REACTOR BUILDING ROOF OVERPRESSURE EVENT
88-09-L0	04-01-88	05-02-88	TWO STANDBY GAS TREATMENT SURVEILLANCES WERE NOT PERFORMED AT REQR'D FREQUENCIES SPECIFIED IN TS

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1. Docket: 50-382 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>23,544.0</u>
13. Hours Reactor Critical	<u>61.0</u>	<u>2,168.7</u>	<u>18,273.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>2.8</u>	<u>2,055.8</u>	<u>17,870.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>3,254</u>	<u>6,861,039</u>	<u>58,322,011</u>
18. Gross Elec Ener (MWH)	<u>340</u>	<u>2,324,730</u>	<u>19,705,540</u>
19. Net Elec Ener (MWH)	<u>-12,028</u>	<u>2,204,605</u>	<u>18,737,063</u>
20. Unit Service Factor	<u>.4</u>	<u>56.4</u>	<u>75.9</u>
21. Unit Avail Factor	<u>.4</u>	<u>56.4</u>	<u>75.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.2</u>	<u>74.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>54.8</u>	<u>72.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.1</u>	<u>9.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>111.3</u>	<u>1,840.1</u>

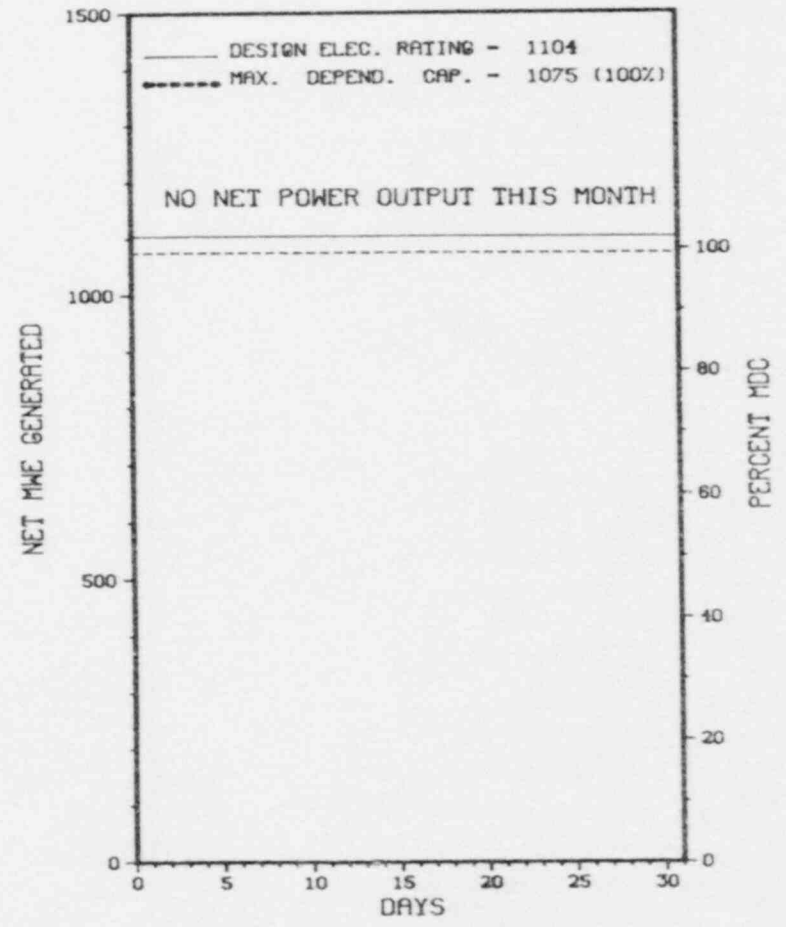
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-03	04/01/88	S	741.2	C	4				REFUELING/MAINTENANCE OUTAGE NO. 2.

* SUMMARY *

WATERFORD 3 REMAINED SHUTDOWN IN MAY 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)

* WATERFORD 3 *

FACILITY DATA

Report Period MAY 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-38, MARCH 16, 1985
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70143

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

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 21-25,1988 (88-07) ROUTINE, ANNOUNCED INSPECTION OF EMERGENCY FACILITIES, EQUIPMENT INSTRUMENTATION, SUPPLIES, ORGANIZATION AND MANAGEMENT CONTROL, AND INDEPENDENT REVIEWS/AUDITS. WITHIN THE AREAS INSPECTED, ONE VIOLATION AND NO DEVIATIONS WERE IDENTIFIED.
INSPECTION CONDUCTED APRIL 4-8,1988 (88-09) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SURVEILLANCE PROCEDURES AND RECORDS ADN VERIFICATION OF REACTOR COOLANT SYSTEM LEAK TESTS. WITHIN THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION CONDUCTED APRIL 18-22,1988 (88-11) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS, INSERVICE INSPECTION, AND 10 CFR PART 21. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DURING 151 OF REACTOR VESSEL FOUND THREE UNACCEPTABLE DEFECTS IN HOT LEG WELD. LICENSEE'S ANALYSES SHOW IT NOT TO PRECLUDED CONTINUED OPERATION. REPORT IS UNDER NRR REVIEW. MSIV-B INTERNALS CAME APART SOMETIME DURING OPERATION. PARTS FOUND AT TURBINE THROTTLE. MSIV-A HAD SIMILAR FAILURES. DID NOT SEEM TO AFFECT OPERATION. THESE ARE WKM 40X30X40 BATE VALVES.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

COMMENCED RFO-2 ON 4/2/88. SCHEDULED TO START UP ON 5/27/88.

LAST IE SITE INSPECTION DATE: APRIL 30, 1988

INSPECTION REPORT NO: 50-382/88-08 SUMMARY

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

=====

1. Docket: 50-482 OPERATING STATUS
 2. Reporting Period: 05/01/88 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:

 * WOLF CREEK 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

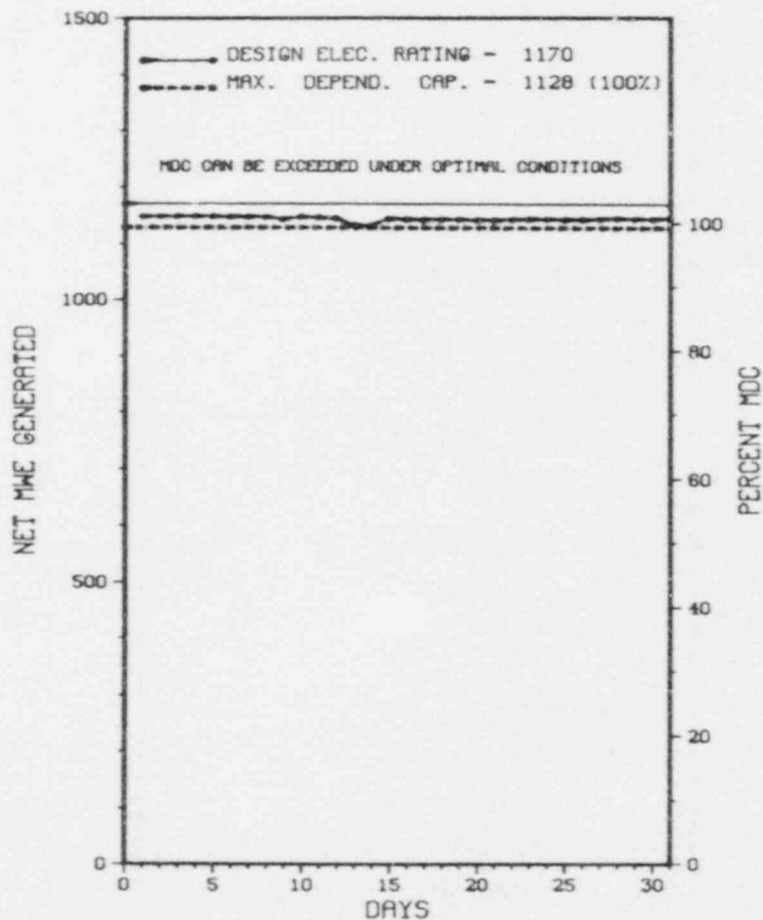
WOLF CREEK 1

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>3,647.0</u>	<u>24,046.7</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,043.6</u>	<u>18,510.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>89.5</u>	<u>339.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,890.4</u>	<u>18,093.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,533,966</u>	<u>9,686,674</u>	<u>59,113,058</u>
18. Gross Elec Ener (MWH)	<u>884,545</u>	<u>3,392,780</u>	<u>20,581,671</u>
19. Net Elec Ener (MWH)	<u>851,095</u>	<u>3,241,224</u>	<u>19,653,532</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.3</u>	<u>75.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.3</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>78.8</u>	<u>72.5</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>76.0</u>	<u>69.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>18.1</u>	<u>7.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>640.7</u>	<u>1,517.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, OCTOBER 1, 1988, 65 DAY DURATION,

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



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

* WOLF CREEK 1 *

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

NONE

* SUMMARY *

WOLF CREEK OPERATED ROUTINELY IN MAY 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)

* WOLF CREEK 1 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

LOCATION
STATE.....KANSAS
COUNTY.....COFFEY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.5 MI NE OF
BURLINGTON, KAN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1985
DATE ELEC ENER 1ST GENER...JUNE 12, 1985
DATE COMMERCIAL OPERATE....SEPTEMBER 3, 1985
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...COOLING LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....KANSAS GAS & ELECTRIC
CORPORATE ADDRESS.....P.O. BOX 208
WICHITA, KANSAS 67201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....J. CUMMINS
LICENSING PROJ MANAGER....P. OCONNOR
DOCKET NUMBER.....50-482
LICENSE & DATE ISSUANCE...NPF-42, JUNE 4, 1985
PUBLIC DOCUMENT ROOM.....WILLIAM ALLAN WHITE LIBRARY
GOVERNMENT DOCUMENTS DIVISION
EMPORIA STATE UNIVERSITY
1200 COMMERCIAL STREET
EMPORIA, KANSAS 66801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED FEB.15 - MARCH 31, 1988 (88-07) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOWUP OF PREVIOUSLY IDENTIFIED NRC ITEMS, REVIEW OF "SAFETY OUTAGE MODIFICATIONS INSPECTION" ITEMS, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, ONSITE EVENT FOLLOWUP, RADIOLOGICAL PROTECTION, AND PHYSICAL SECURITY. WITHIN THE AREAS INSPECTED, ONE VIOLATION.

INSPECTION CONDUCTED MARCH 14 - APRIL 6, 1988 (88-13) SPECIAL ANNOUNCED SAFETY INSPECTION TO VERIFY THAT THE EMERGENCY OPERATING PROCEDURES ARE TECHNICALLY CORRECT; THAT THEIR SPECIFIED ACTIONS CAN BE MEANINGFULLY ACCOMPLISHED USING EXISTING EQUIPMENT, CONTROLS, AND INSTRUMENTATION; AND THAT THE AVAILABLE PROCEDURES HAVE THE USABILITY NECESSARY TO PROVIDE THE OPERATOR WITH AN EFFECTIVE OPERATING TOOL. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 28 - APRIL 1, 1988 (88-15) ROUTINE AND REACTIVE, UNANNOUNCED INSPECTION OF 10 CFR PART 21 AND THE PROCUREMENT PROGRAM. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAY 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)

* WOLF CREEK 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: APRIL 6, 1988

INSPECTION REPORT NO: 50-482/88-13

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 05/01/88 Outage + On-line Hrs: 14.0

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>3,647.0</u>	<u>241,412.0</u>
13. Hours Reactor Critical	<u>722.2</u>	<u>3,544.7</u>	<u>194,657.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>692.6</u>	<u>3,483.6</u>	<u>189,565.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>361,285</u>	<u>1,945,113</u>	<u>103,558,138</u>
18. Gross Elec Ener (MWH)	<u>109,068</u>	<u>590,593</u>	<u>31,375,538</u>
19. Net Elec Ener (MWH)	<u>101,658</u>	<u>551,950</u>	<u>29,356,494</u>
20. Unit Service Factor	<u>93.1</u>	<u>95.5</u>	<u>78.5</u>
21. Unit Avail Factor	<u>93.1</u>	<u>95.5</u>	<u>78.5</u>
22. Unit Cap Factor (MDC Net)	<u>81.8</u>	<u>90.6</u>	<u>74.6*</u>
23. Unit Cap Factor (DER Net)	<u>78.1</u>	<u>86.5</u>	<u>71.1*</u>
24. Unit Forced Outage Rate	<u>3.9</u>	<u>3.5</u>	<u>5.1</u>
25. Forced Outage Hours	<u>28.4</u>	<u>124.9</u>	<u>9,028.8</u>

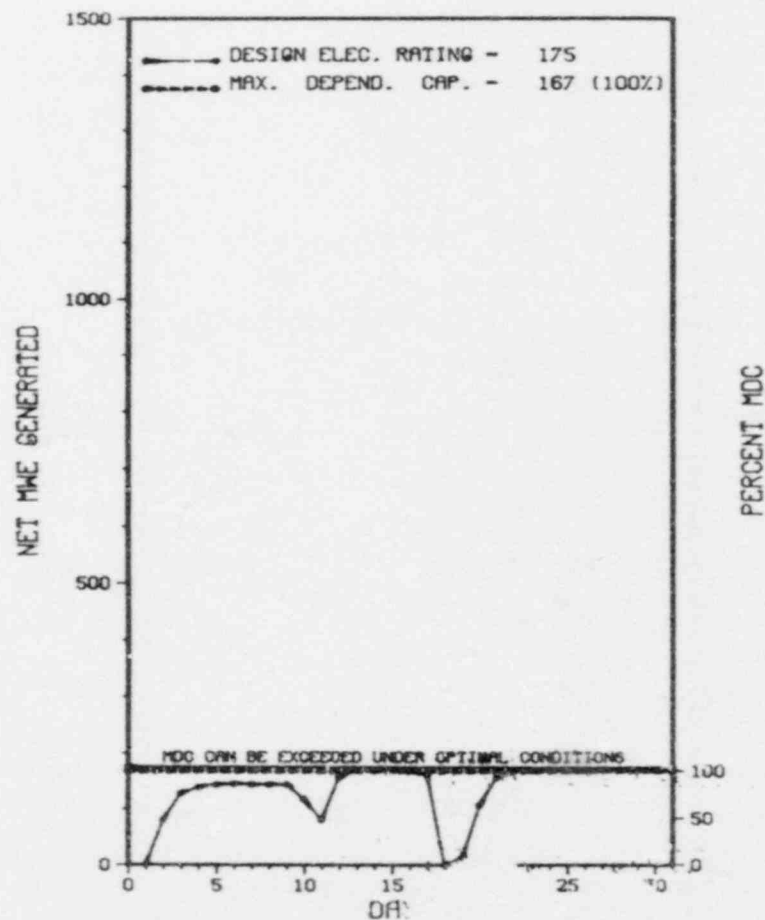
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, NOVEMBER 12, 1988, 7 WEEK DURATION.

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



MAX 1.

* Item calculated with a Weighted Average

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
88-11	04/30/88	S	23.0	H	4			SHUTDOWN PLANT TO CHANGE BATTERY NO. 3.
88-12	05/10/88	F	0.0	A	5			NO. 3 STATION SERVICE TRANSFORMER EXHIBITED SIGNS OF DEGRADATION. REPLACED CONNECTOR VOLTAGE REGULATOR NO. 3.
88-13	05/17/88	F	28.2	A	3	88-08	TL EXC	REACTOR SCRAM DUE TO LOSS OF GENERATOR FIELD EXCITATION. TESTED STATIC EXCITER BUT NO PROBLEMS FOUND.
88-14	05/19/88	F	0.2	A	9			GENERATOR OFF-LINE FOLLOWING TESTING OF STATIC EXCITER. RESUMED POWER OPERATION USING ROTATING EXCITER.

 * SUMMARY *

 YANKEE ROWE ENTERED MAY IN AN OUTAGE. SUBSEQUENTLY, RESUMED POWER AND INCURRED 2 OUTAGES AND ONE LOAD REDUCTION 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* YANKEE-ROWE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period MAY 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

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 MAY 1988

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

XX
* YANKEE-ROWE 1 *
XX

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.			
=====			

1. Docket: 50-295 OPERATING STATUS

2. Reporting Period: 05/01/88 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>3,647.0</u>	<u>126,383.0</u>
13. Hours Reactor Critical	<u>617.7</u>	<u>1,923.9</u>	<u>88,009.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>544.4</u>	<u>1,850.6</u>	<u>85,391.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,457,021</u>	<u>5,456,331</u>	<u>246,682,658</u>
18. Gross Elec Ener (MWH)	<u>487,469</u>	<u>1,849,958</u>	<u>79,065,567</u>
19. Net Elec Ener (MWH)	<u>462,393</u>	<u>1,755,368</u>	<u>75,127,761</u>
20. Unit Service Factor	<u>73.2</u>	<u>50.7</u>	<u>67.6</u>
21. Unit Avail Factor	<u>73.2</u>	<u>50.7</u>	<u>67.6</u>
22. Unit Cap Factor (MDC Net)	<u>59.8</u>	<u>46.3</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>59.8</u>	<u>46.3</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>12.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>12.0</u>	<u>11,680.2</u>

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

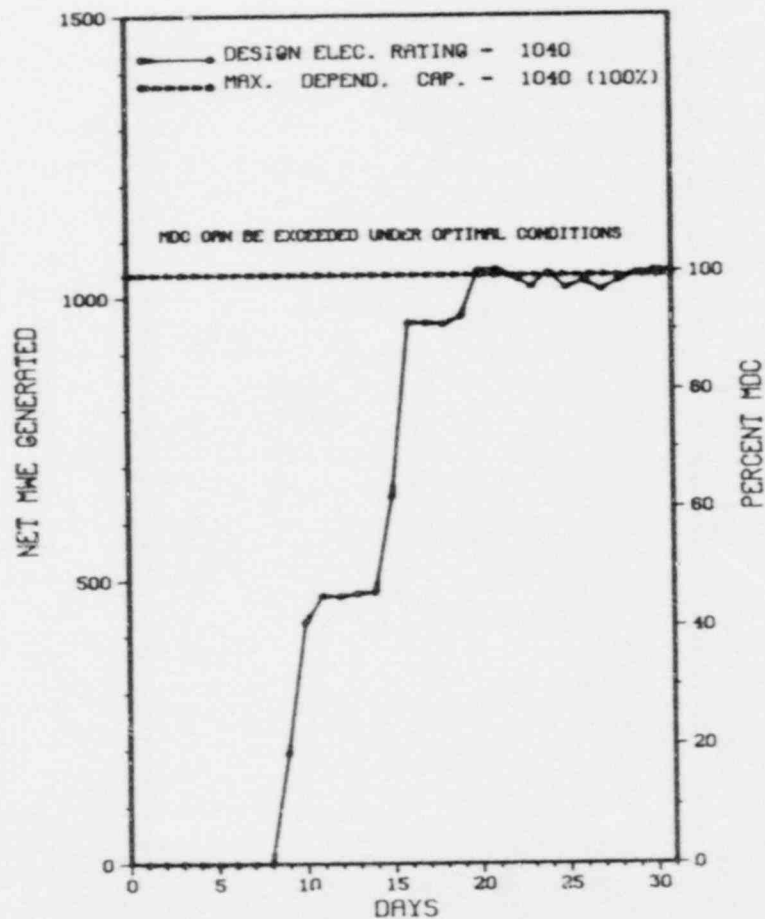
REFUELING, AUGUST 31, 1989.

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



MAY 1988

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X ZION 1 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	02/24/88	S	161.1	C	4			CONTINUED CYCLE 10-11 REFUELING OUTAGE.
2	05/07/88	S	38.5	A	9			WHILE ATTEMPTING TO RETURN TO SERVICE AFTER REFUELING, LOW-LOW STEAM GENERATOR LEVEL REACTOR TRIP CAUSED BY A BROKEN LEAD ON THE MAIN GENERATOR'S METER.

XXXXXXXXXXXX ZION 1 COMPLETED REFUELING CYCLE IN MAY. SUBSEQUENTLY,
 * SUMMARY * INCURRED 1 OUTAGE WHILE RETURNING TO SERVICE.
 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)

* ZION 1 *

FACILITY DATA

Report Period MAY 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...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE...DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....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 APRIL 5-21 (88010; 88011): SPECIAL INSPECTION OF LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS AND SNUBBER SURVEILLANCE AND FUNCTIONAL TESTING. (70370, 92701, 92702) TWO APPARENT VIOLATIONS WERE IDENTIFIED (INADEQUATE DESIGN CONTROL AND INADEQUATE REVIEW FOR TECHNICAL SPECIFICATION REQUIREMENTS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1988

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
6	05/18/88	S	0.0	B	5			DECREASED LOAD TO 55% POWER TO FURMANITE THE 2D STEAM GENERATOR UPPER MANWAY SECONDARY SIDE STEAM LEAK.
7	05/24/88	S	0.0	H	5			DECREASED LOAD TO 55% POWER TO PERFORM AN INSPECTION INSIDE THE MISSILE BARRIER ON THE REACTOR COOLANT PUMP DECK FOR STEAM LEAKS.

***** ZION 2 INCURRED 2 POWER REDUCTIONS IN MAY FOR REASONS STATED
 * SUMMARY * 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		

* ZION 2 *

FACILITY DATA

Report Period MAY 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION STR...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 APRIL 5-21 (88010; 88011): SPECIAL INSPECTION OF LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS AND SNUBBER SURVEILLANCE AND FUNCTIONAL TESTING. (70370, 92701, 92702) TWO APPARENT VIOLATIONS WERE IDENTIFIED (INADEQUATE DESIGN CONTROL AND INADEQUATE REVIEW FOR TECHNICAL SPECIFICATION REQUIREMENTS).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED IN THE LICENSEE'S APPROVED QUALITY ASSURANCE TOPICAL REPORT, CE-1-A, REQUIRES THAT DESIGN CHANGES BE TREATED WITH THE SAME DESIGN CONTROL MEASURES AS THE ORIGINAL DESIGN, INCLUDING APPROPRIATE APPROVALS. COMMONWEALTH EDISON QUALITY ASSURANCE MANUAL PROCEDURE 3-51, ATTACHMENT A, STATES THAT MODIFICATIONS WHICH ARE TEMPORARY ALTERATIONS, SUCH AS BLIND FLANGES, WILL BE ADMINISTRATIVELY CONTROLLED OUTSIDE THE SCOPE OF QP 3-51. ZION STATION ADMINISTRATIVE PROCEDURE ZAP-0, CONDUCT OF OPERATIONS, PARAGRAPH 5.3.10, STATES THAT TEMPORARY ALTERATIONS, INCLUDING TEMPORARY MECHANICAL SYSTEM CHANGES SUCH AS THE INSTALLATION OF BLANK FLANGES, SHALL BE CONDUCTED IN ACCORDANCE WITH ZAP 3-51-4. CONTRARY TO THE ABOVE, ON MARCH 4 THROUGH 15, 1988, A TEMPORARY ALTERATION WAS NOT CONDUCTED IN ACCORDANCE WITH ZAP 3-51-4, IN THAT A BLANK FLANGE WAS INSTALLED ON THE SUPPLY PLENUM TO THE CONTROL ROOM CHARCOAL BOOSTER FANS, AND NO TEMPORARY ALTERATION CONTROLS REQUIRED BY ZAP 3-51-4 WERE USED.
(8801 5)

SECTION 3

APPENDIX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a)		NO. OF ASSEMBLIES REMAINING CAPACITY		REMAINING CAPACITY IF PENDING REQUEST APPROVED	NEXT REFUEL SCHED. DATE *****	(b)	
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	NO. OF ASSEMBLIES) *****	(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	193	1050	0		1050	N/S		
BRAIDWOOD 2	193	1050	0		1050			
BYRON 1	193	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(l)	874		438(l)(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

***** * 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
	*****	*****	*****	*****	*****	*****	*****
RANCHO SECO 1	177	1080	316	764		03-89	2001
ROBINSON 2	157	541	274	264(e)	379	N/S	1988(g)
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
SOUTH TEXAS 1	0	0	0	0			
ST LUCIE 1	217	728	372	356		N/S	1993
ST LUCIE 2	217	1076	152	924		N/S	1993
SUMMIT 1	157	1276	96	1180		N/S	2008
SURRY 1	157	1044(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 3	217	1088	0	1088		N/S	1993
WOLF CREEK 1	193	1340	0	1340		04-88	
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; MTU = 2 PWR assemblies or 5 BWR assemblies.
 (i) No longer accepting spent fuel.
 (j) Racked for 700 MTU.
 (k) Reserved.
 (l) This is the station total.
 (m) Installed capacity is less than that authorized.
 (n) McGuire 1 authorized to accept Ocone fuel assemblies.

 N/S = Not Scheduled

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY *****	(a)			REMAINING CAPACITY		NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES REMAINING STORED (NO. OF ASSEMBLIES) *****	IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****		
BIG ROCK POINT 1	84	441	212		229	04-88	1995
BROWNS FERRY 1	764	3471	1288		2183	N/S	1993
BROWNS FERRY 2	764	3471	1161		2310(m)	N/S	1993
BROWNS FERRY 3	764	3471	1004		2467(m)	N/S	1993
BRUNSWICK 1	560	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	800	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	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
*****	*****	*****	*****	*****	*****	*****	*****
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*	764	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) Reserved.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

(INCLUDES BOTH LICENSED
AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

1ST ELEC			1ST ELEC			1ST ELEC		
YEARS	GENERATE	UNIT	YEARS	GENERATE	UNIT	YEARS	GENERATE	UNIT

* LICENSED *	13.83	08/01/74	9.43	12/26/78	ARKANSAS 2	11.96	06/14/76	BEAVER VALLEY 1
* OPERATING *	.79	08/17/87	25.48	12/08/62	BIG ROCK POINT 1	.89	07/12/87	BRAIDWOOD 1
* ELECTRICAL *	.02	05/25/88	14.63	10/15/73	BROWNS FERRY 1	13.76	08/28/74	BROWNS FERRY 2
* PRODUCING *	11.72	09/12/76	11.49	12/04/76	BRUNSWICK 1	13.09	04/29/75	BRUNSWICK 2
* UNITS *	3.25	03/01/85	1.32	02/06/87	BYRON 2	3.60	10/24/84	CALLAWAY 1
*****			11.48	12/07/76	CALVERT CLIFFS 2	3.36	01/22/85	CATAWBA 1
	13.41	01/03/75	1.11	04/24/87	CLINTON 1	13.31	02/10/75	COOK 1
	2.04	05/18/86	14.06	05/10/74	COOPER STATION	11.33	01/30/77	CRYSTAL RIVER 3
	10.20	03/22/78	3.55	11/11/84	DIABLO CANYON 1	2.61	10/20/85	DIABLO CANYON 2
	10.76	08/28/77	16.86	07/22/71	DRESDEN 3	14.04	05/19/74	DUANE ARNOLD
	18.14	04/13/70	7.02	05/25/81	FARLEY 2	1.69	09/21/86	FERMI 2
	10.79	08/18/77	14.77	08/25/73	FORT CALHOUN 1	11.47	12/11/76	FORT ST VRAIN
	13.33	02/01/75	3.61	10/20/84	GRAND GULF 1	20.82	08/07/67	HADDAM NECK
	18.50	12/02/69	13.56	11/11/74	HATCH 1	9.69	09/22/78	HATCH 2
	1.37	01/19/87	14.93	06/26/73	INDIAN POINT 2	12.10	04/27/76	INDIAN POINT 3
	1.83	08/01/86	5.74	09/04/82	LASALLE 1	4.11	04/20/84	LASALLE 2
	14.15	04/08/74	15.56	11/08/72	MAINE YANKEE	6.92	06/30/81	MCGUIRE 1
	3.13	04/13/85	17.51	11/29/70	MILLSTONE 1	12.56	11/09/75	MILLSTONE 2
	5.03	05/23/83	17.24	03/05/71	MONTICELLO	18.56	11/09/69	NINE MILE POINT 1
	2.30	02/12/86	10.12	04/17/78	NORTH ANNA 1	7.77	08/25/80	NORTH ANNA 2
	.82	08/08/87	14.49	12/05/73	OCONEE 2	13.75	09/01/74	OCONEE 3
	15.07	05/06/73	16.42	12/31/71	PALISADES	2.98	06/10/85	PALO VERDE 1
	18.69	09/23/69	.51	11/28/87	PALO VERDE 3	14.28	02/18/74	PEACH BOTTOM 2
	2.03	05/20/86	1.45	12/19/86	PERRY 1	15.87	07/19/72	PILGRIM 1
	13.75	09/01/74	15.83	08/02/72	POINT BEACH 2	14.49	12/04/73	PRAIRIE ISLAND 1
	17.57	11/06/70	16.14	04/12/72	QUAD CITIES 1	16.02	05/23/72	QUAD CITIES 2
	13.45	12/21/74	2.49	12/03/85	RIVER BEND 1	17.68	09/26/70	ROBINSON 2
	13.63	10/13/74	7.00	06/03/81	SALEM 2	20.88	07/16/67	SAN ONOFRE 1
	11.43	12/25/76	4.68	09/25/83	SAN ONOFRE 3	7.86	07/22/80	SEQUOYAH 1
	5.70	09/20/82	.17	03/30/88	SOUTH TEXAS 1	12.07	05/07/76	ST LUCIE 1
	6.44	12/23/81	5.54	11/16/82	SUMMER 1	15.91	07/04/72	SURRY 1
	4.97	06/13/83	5.54	11/16/82	SUSQUEHANNA 1	3.91	07/03/84	SUSQUEHANNA 2
	15.23	03/10/73	12.44	12/23/75	TROJAN	15.58	11/02/72	TURKEY POINT 3
	13.95	06/19/74	15.70	09/20/72	VERMONT YANKEE 1	1.18	03/27/87	VOGTLE 1
	14.95	06/21/73	3.21	03/18/85	WATERFORD 3	2.97	06/12/85	WOLF CREEK 1
	4.01	05/27/84	14.93	06/28/73	ZION 1	14.43	12/26/73	ZION 2
	27.56	11/10/60						
TOTAL	1103.36	YRS						

1ST ELEC SHUTDOWN				1ST ELEC SHUTDOWN				
YEARS	GENERATE	DATE	UNIT	YEARS	GENERATE	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	02-24-60	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	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0
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 OL 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	R-128	04-14-77	250.0
			POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
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 OL 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	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

 * EXPERIMENTAL AND TEST REACTORS *

CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0

 * CRITICAL EXPERIMENT FACILITIES *

NEW YORK	TROY	RENSELAER 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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2. TITLE AND SUBTITLE

Licensed Operating Reactors
Status Summary Report

3. LEAVE BLANK

4. DATE REPORT COMPLETED

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5. AUTHOR(S)

Ina Schwartz

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11a. TYPE OF REPORT

b. PERIOD COVERED (Inclusive dates)

May 1988

12. SUPPLEMENTARY NOTES

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

Licensed Operating Reactors
Commercial Operating Units

15. IDENTIFIERS/OPEN ENDED TERMS

15. AVAILABILITY STATEMENT

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16. SECURITY CLASSIFICATION

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Unclassified

(This report)
Unclassified

17. NUMBER OF PAGES

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