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June 1985

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 05-31-85

UNITED STATES NUCLEAR REGULATORY COMMISSION



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



AUTHORIZATION AND CLEARANCE

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

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

STATEMENT OF PURPOSE

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

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

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

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

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GLOSSARY

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 (MWe)	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.

GLOSSARY (continued)

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

G L O S S A R Y (continued)

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

NOTE:

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

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SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 84 IN COMMERCIAL OPERATION 67,497 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 4 IN POWER ASCENSION. 4,619 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 88 LICENSED TO OPERATE 72,116 TOTAL
 ***** (c) 5 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

	MDC NET		DER		DATE	DER
(a) GRAND GULF 1	1250	(b) Excludes these plants	1. DRESDEN 1	200	12/31/84	1304
CATAWBA 1	1145	licensed for operation	2. HUMBOLDT BAY	65	03/11/85	1150
BYRON 1	1120	which are shut down	3. TMI 2	906	03/20/85	1093
WATERFORD 3	1104	indefinitely			04/26/85	1106
					10/26/84	1065

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
***** 1. GROSS ELECTRICAL (MWe)		28,762,018	26,403,140	155,100,422
* POWER * 2. NET ELECTRICAL (MWe)		27,337,411	25,066,828	147,769,217
* GENERATION * 3. AVG. UNIT SERVICE FACTOR (%)		61.0	59.3	67.6
***** 4. AVG. UNIT AVAILABILITY FACTOR (%)		62.1	59.3	68.1
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)		57.8	55.0	63.7
6. AVG. UNIT CAPACITY FACTOR (DER) (%)		56.2	53.5	61.9
7. FORCED OUTAGE RATE (%)		8.3	8.9	9.3

		% OF POTENTIAL PRODUCTION
***** 1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	27,337,411 NET	54.6
* ACTUAL VS. * 2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	16,785,412 MWe	33.5
* POTENTIAL * 3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	4,304,201 MWe	8.6
* ENERGY * 4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	1,633,335 MWe	3.3
* PRODUCTION * *****		
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	50,060,359 MWe	100.0% TOTAL
(Using Maximum Dependable Capacity Net)		
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	1,369,704 MWe	
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS.	MWe	0 UNIT(S) WITH NRC RESTRICTION

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWe LOST PRODUCTION
***** 1. FORCED OUTAGES DURING REPORT PERIOD	45	5,183.8	8.3	4,304,201
* OUTAGE * 2. SCHEDULED OUTAGES DURING REPORT PERIOD.	34	19,153.8	30.7	16,785,412
* DATA * *****				
TOTAL	79	24,337.6	39.0	21,089,613

MWe LOST PRODUCTION = Down time X maximum dependable capacity net

Report Period MAY 1985

PAGE 1-2

MONTHLY HIGHLIGHTS

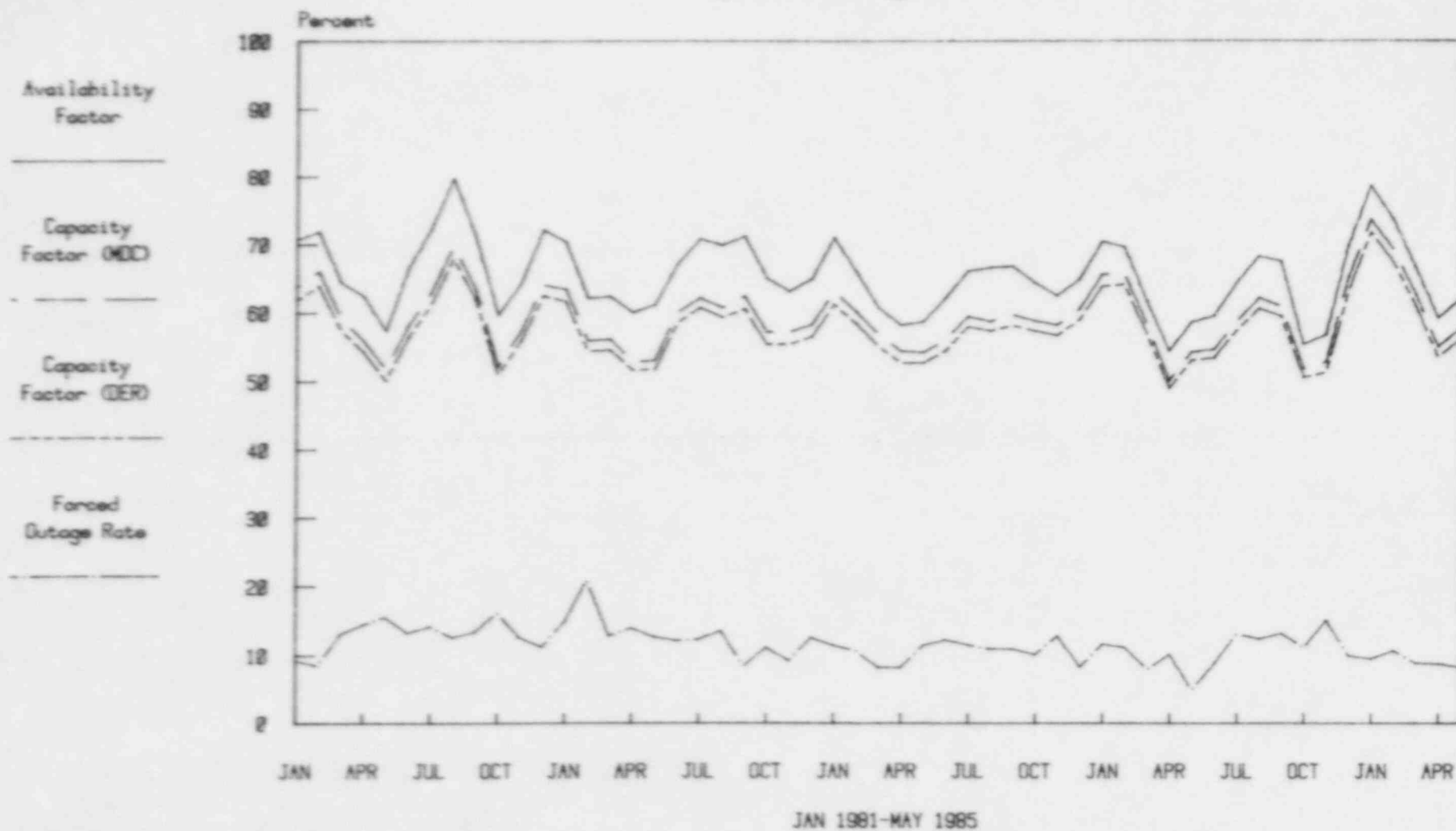
		NUMBER	HOURS LOST
*****	A - Equipment Failure	35	3,122.2
* REASONS *	B - Maintenance or Test	8	1,779.2
* FOR *	C - Refueling	21	15,212.9
* SHUTDOWNS *	D - Regulatory Restriction	2	1,488.0
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	1	744.0
	G - Operational Error	3	97.3
	H - Other	9	1,894.0
	TOTAL	79	24,337.6

		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
* DERATED *	FORT ST VRAIN	330	280	Self-imposed
* UNITS *	WASHINGTON NUCLEAR*	*00	590	Self-imposed

	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	ARKANSAS 2	C	BEAVER VALLEY 1	A	BIG ROCK POINT 1	A	BROWNS FERRY 1	D
* GREATER *	BROWNS FERRY 2	C	BROWNS FERRY 3	F	BRUNSWICK 1	C	CALVERT CLIFFS 1	C
* THAN 72 HRS *	CALVERT CLIFFS 2	A,A	COOK 1	C	COOPER STATION	C	CRYSTAL RIVER 3	C
* EACH *	DRESDEN 2	H	DRESDEN 3	B	DUANE ARNOLD	C	FARLEY 1	C
*****	FITZPATRICK	C	FORT ST VRAIN	A	HATCH 2	C	LASALLE 2	B
	MCGUIRE 1	C	MCGUIRE 2	A	MILLSTONE 2	C	MONTICELLO	B
	PEACH BOTTOM 2	C	POINT BEACH 1	C	QUAD CITIES 1	H	QUAD CITIES 2	C
	RANCHO SEC0 1	C	SALEM 2	A	SAN ONOFRE 1	A	SEQUOYA 1	B
	SEQUOYA 2	A	SUMMER 1	A	SURRY 1	A	SURRY 2	H
	SUSQUEHANNA 1	C	THREE MILE ISLAND 1	D	TROJAN	C	TURKEY POINT 3	C
	WASHINGTON NUCLEAR*	H	ZION 1	C				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 05-31-85



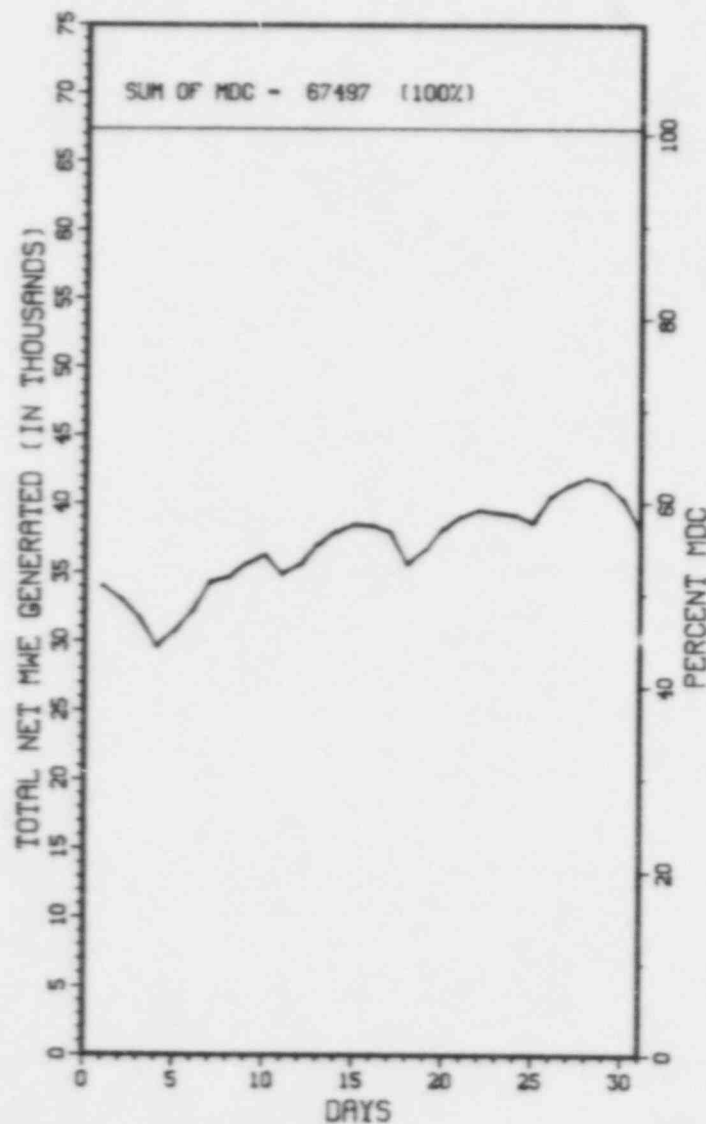
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

This chart depicts the average daily power level for the units in commercial operation during the month.

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

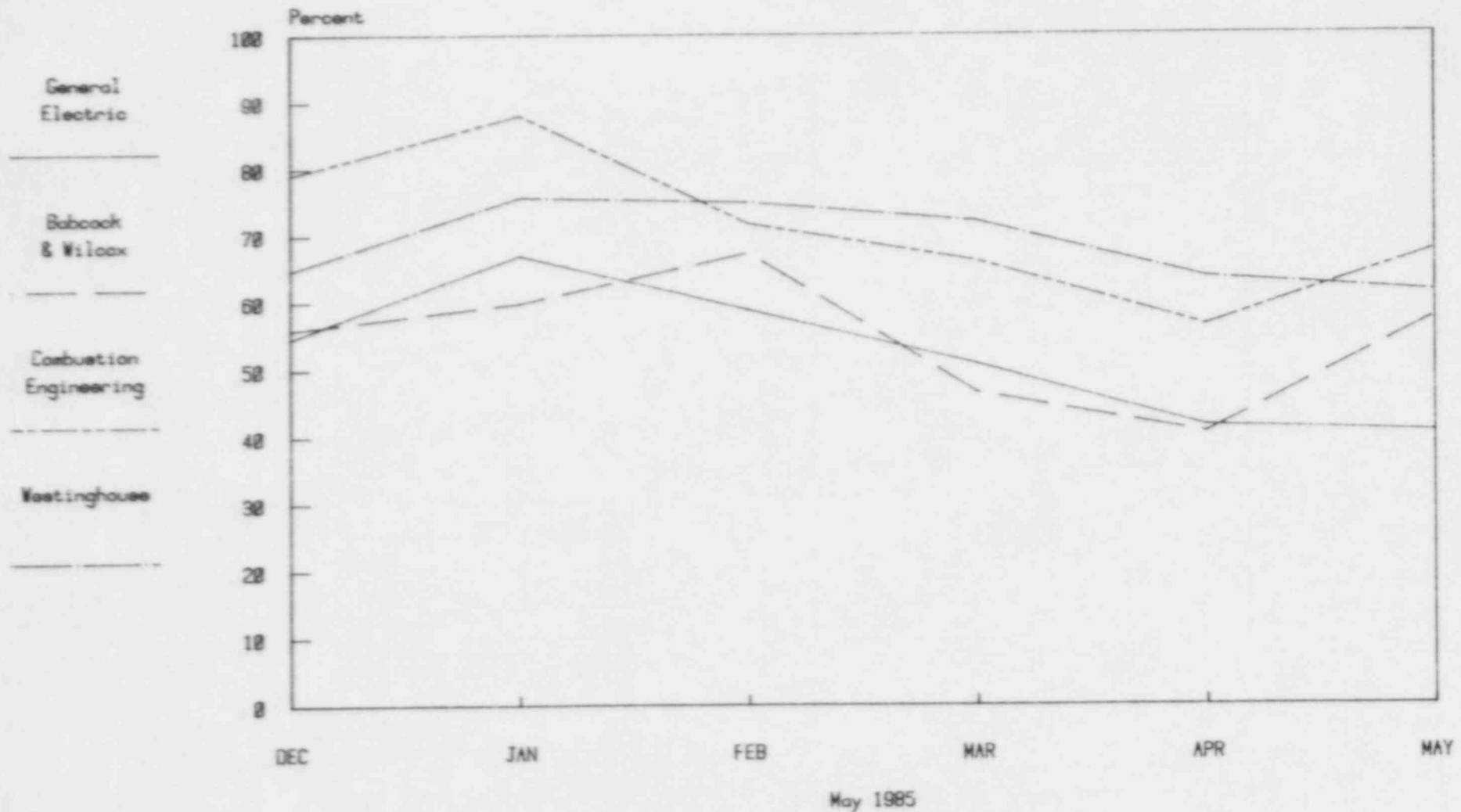
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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



Vendor Average Capacity Factors

As of 05-31-85



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

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 0.0 BROWNS FERRY 1	0.0 BROWNS FERRY 2	0.0 BROWNS FERRY 3	0.0 BRUNSWICK 1
* ELECTRIC * 97.5 BRUNSWICK 2	0.0 COOPER STATION	67.2 DRESDEN 2	76.1 DRESDEN 3
***** 0.0 DUANE ARNOLD	0.0 FITZPATRICK	89.2 HATCH 1	16.6 HATCH 2
91.2 LASALLE 1	0.0 LASALLE 2	98.0 MILLSTONE 1	77.5 MONTICELLO
91.5 NINE MILE POINT 1	93.5 OYSTER CREEK 1	0.0 PEACH BOTTOM 2	81.7 PEACH BOTTOM 3
94.3 PILGRIM 1	62.4 QUAD CITIES 1	0.0 QUAD CITIES 2	0.0 SUSQUEHANNA 1
81.7 SUSQUEHANNA 2	97.4 VERMONT YANKEE 1	3.6 WASHINGTON NUCLEAR 2	
***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 96.4 ARKANSAS 1	0.0 CRYSTAL RIVER 3	90.2 DAVIS-BESSE 1	99.2 OCONEE 1
* WILCOX * 69.7 OCONEE 2	98.7 OCONEE 3	0.0 RANCHO SECO 1	0.0 THREE MILE ISLAND 1
***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 2.3 ARKANSAS 2	0.0 CALVERT CLIFFS 1	63.7 CALVERT CLIFFS 2	100.6 FORT CALHOUN 1
* ENGINEERING * 90.2 MAINE YANKEE	0.0 MILLSTONE 2	118.3 PALISADES	88.9 SAN ONOFRE 2
***** 91.5 SAN ONOFRE 3	102.1 ST LUCIE 1	102.1 ST LUCIE 2	
***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE* 78.3 BEAVER VALLEY 1	91.4 CALLAWAY 1	0.0 COOK 1	101.4 COOK 2
***** 80.4 DIABLO CANYON 1	1.2 FARLEY 1	101.9 FARLEY 2	103.9 GINNA
93.1 HADDAM NECK	98.7 INDIAN POINT 2	90.0 INDIAN POINT 3	103.1 KEWAUNEE
0.0 MCGUIRE 1	60.5 MCGUIRE 2	99.6 NORTH ANNA 1	96.3 NORTH ANNA 2
0.0 POINT BEACH 1	101.6 POINT BEACH 2	95.2 PRAIRIE ISLAND 1	100.8 PRAIRIE ISLAND 2
102.9 ROBINSON 2	101.8 SALEM 1	71.5 SALEM 2	53.9 SAN ONOFRE 1
0.0 SEQUOYAH 1	53.1 SEQUOYAH 2	60.2 SUMMER 1	50.7 SURRY 1
0.0 SURRY 2	2.7 TROJAN	0.0 TURKEY POINT 3	96.0 TURKEY POINT 4
96.9 YANKEE-ROWE 1	0.0 ZION 1	93.6 ZION 2	

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

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

Net Electrical Energy Produced by Vendor x 100%
 Potential Electrical Production by Vendor in this Month

NET ELECTRICAL	GE BHRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
PRODUCTION.....	6,750,063	13,068,668	4,568,749	2,889,065	20,526,482
MDC NET.....	22,363	28,863	9,078	6,746	44,687
CFMDC.....	40.6	61.3	67.6	57.6	62.0

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

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

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: K. L. MORTON (501) 964-3155

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):

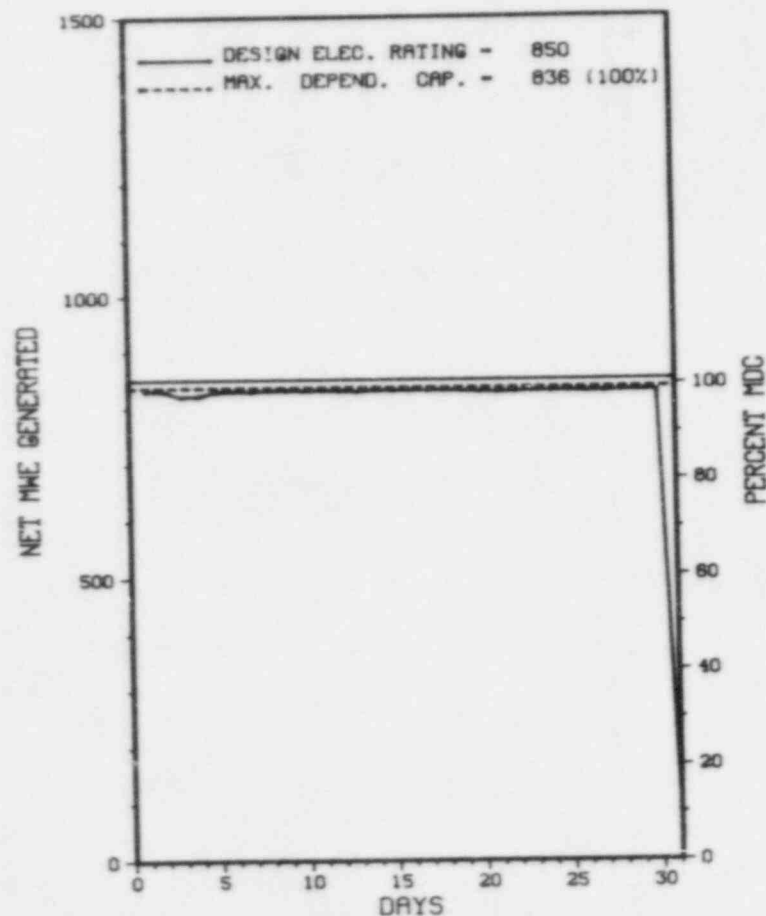
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>91,602.0</u>
13. Hours Reactor Critical	<u>727.5</u>	<u>2,438.0</u>	<u>61,095.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>723.4</u>	<u>2,341.6</u>	<u>59,745.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,855,099</u>	<u>5,697,914</u>	<u>142,050,725</u>
18. Gross Elec Ener (MWH)	<u>626,440</u>	<u>1,920,034</u>	<u>46,882,305</u>
19. Net Elec Ener (MWH)	<u>599,366</u>	<u>1,814,302</u>	<u>44,676,824</u>
20. Unit Service Factor	<u>97.2</u>	<u>64.6</u>	<u>65.2</u>
21. Unit Avail Factor	<u>97.2</u>	<u>64.6</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>96.4</u>	<u>59.9</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>94.8</u>	<u>58.9</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>2.8</u>	<u>22.6</u>	<u>15.5</u>
25. Forced Outage Hours	<u>20.6</u>	<u>683.6</u>	<u>10,936.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-03	05/31/85	F	20.6	A	3	85-004	SJ	HX	REACTOR TRIP ON HIGH RCS PRESSURE. INITIATING EVENT WAS AN INADVERTENT CLOSURE OF AN INTERCEPT VALVE CAUSING A TRIP OF THE "A" MAIN FEEDWATER PUMP AND A FAILURE OF THE E2-A LOW PRESSURE FEEDWATER HEATER EXPANSION JOINT. THE HEATER WAS REPAIRED AND THE UNIT PLACED BACK ON LINE.

***** ARKANSAS 1 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE IN 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)

* ARKANSAS 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1974

DATE ELEC ENER 1ST GENER...AUGUST 17, 1974

DATE COMMERCIAL OPERATE...DECEMBER 19, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....B. JOHNSON

LICENSING PROJ MANAGER....G. VISSING
DOCKET NUMBER.....50-313

LICENSE & DATE ISSUANCE...DPR-51, MAY 21, 1974

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED FEBRUARY 1-28, 1985 (85-04)

ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, FOLLOWUP ON IE BULLETINS, QUALITY ASSURANCE AUDIT PROGRAM REVIEW, ONSITE REVIEW COMMITTEE, AND QA/QC ADMINISTRATION PROGRAM.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 1-31, 1985 (85-06)

ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, STARTUP TESTING AFTER REFUELING, FOLLOWUP ON THREE MILE ISLAND ACTION PLAN REQUIREMENTS, AND REVIEW OF THE QUALITY ASSURANCE (QA) PROGRAM.

WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW REQUIREMENTS OF A QA ADMINISTRATIVE PROCEDURE, AND FAILURE TO FOLLOW A QA PROCEDURE) AND TWO DEVIATIONS WERE IDENTIFIED (FAILURE TO MEET A COMMITMENT RELATIVE TO DISTRIBUTION OF CONTROLLED DOCUMENTS, AND FAILURE TO MEET A COMMITMENT RELATIVE TO DESIGN CHANGE CONTROL ACTIVITIES).

INSPECTION STATUS - (CONTINUED)

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*****
*           ARKANSAS 1           *
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NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

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

INSPECTION REPORT NO: 50-313/85-06

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-003.00	4/9/85	5/9/85	REACTOR TRIP DUE TO INTEGRATED CONTROL SYSTEM FAILURES

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: LINDY BRAMLETT (501) 964-3145

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>3,623.0</u>	<u>45,431.0</u>
13. Hours Reactor Critical	<u>197.7</u>	<u>1,956.3</u>	<u>31,260.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>113.3</u>	<u>1,853.3</u>	<u>30,246.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>100,042</u>	<u>4,638,483</u>	<u>76,692,161</u>
18. Gross Elec Ener (MWH)	<u>27,665</u>	<u>1,557,680</u>	<u>25,074,436</u>
19. Net Elec Ener (MWH)	<u>14,366</u>	<u>1,469,572</u>	<u>23,879,485</u>
20. Unit Service Factor	<u>15.2</u>	<u>51.2</u>	<u>66.6</u>
21. Unit Avail Factor	<u>15.2</u>	<u>51.2</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>2.3</u>	<u>47.3</u>	<u>61.3</u>
23. Unit Cap Factor (DER Net)	<u>2.1</u>	<u>44.5</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>16.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>41.0</u>	<u>6,009.4</u>

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

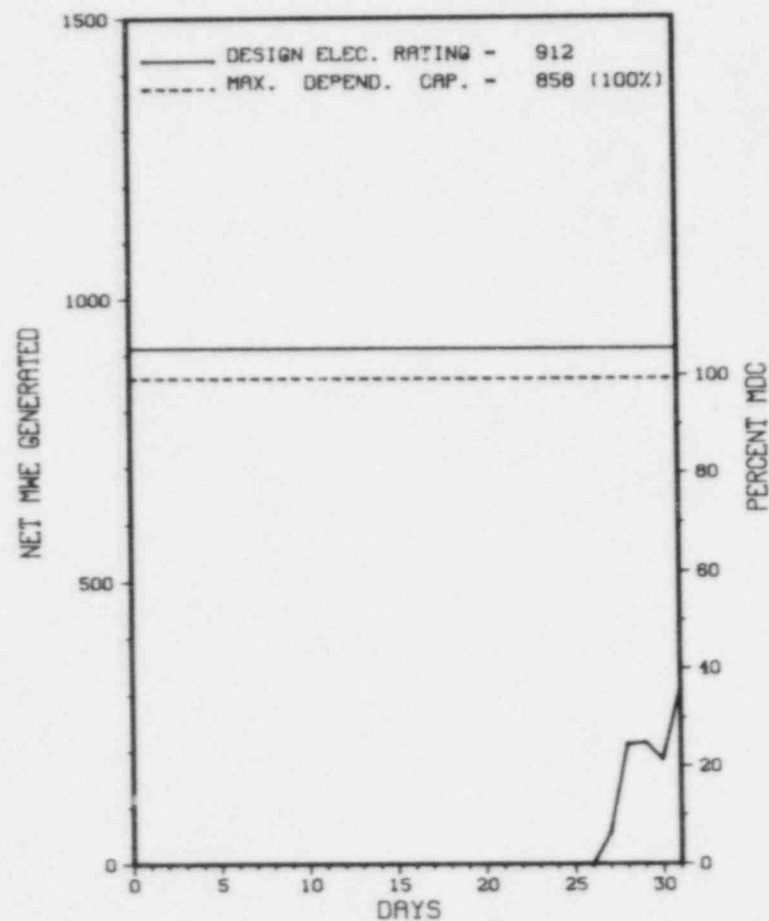
NONE

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8503	03/16/85	S	630.7	C	4		RC	FUELXX	THE SHUTDOWN FOR REFUELING AND MAINTENANCE CONCLUDED.

* SUMMARY *

ARKANSAS 2 RETURNED ONLINE FROM REFUELING ON MAY 27TH AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

* ARKANSAS 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 5, 1978

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

DATE COMMERCIAL OPERATE...MARCH 26, 1980

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. JOHNSON

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

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

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED FEBRUARY 1-28, 1985 (85-04)

ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, FOLLOWUP ON IE BULLETINS, QUALITY ASSURANCE AUDIT PROGRAM REVIEW, ONSITE REVIEW COMMITTEE, AND QA/QC ADMINISTRATION PROGRAM.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 1-31, 1985 (85-06)

ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, FOLLOWUP ON THREE MILE ISLAND ACTION PLAN REQUIREMENTS, REVIEW OF PREPARATION FOR REFUELING ACTIVITIES, AND REVIEW OF THE QA PROGRAM.

WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW REQUIREMENTS OF A QA ADMINISTRATIVE PROCEDURE, AND FAILURE TO FOLLOW A QA PROCEDURE) AND TWO DEVIATIONS WERE IDENTIFIED (FAILURE TO MEET A COMMITMENT RELATIVE TO DISTRIBUTION OF CONTROLLED DOCUMENTS, AND FAILURE TO MEET A COMMITMENT RELATIVE TO DESIGN CHANGE CONTROL ACTIVITIES).

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OTHER ITEMS

NONE

NONE

NONE

PLANT STATUS:

POWER OPERATION

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

INSPECTION REPORT NO: 50-368/85-06

REPORTS FROM LICENSEE

PAGE 2-009

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2660

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

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

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

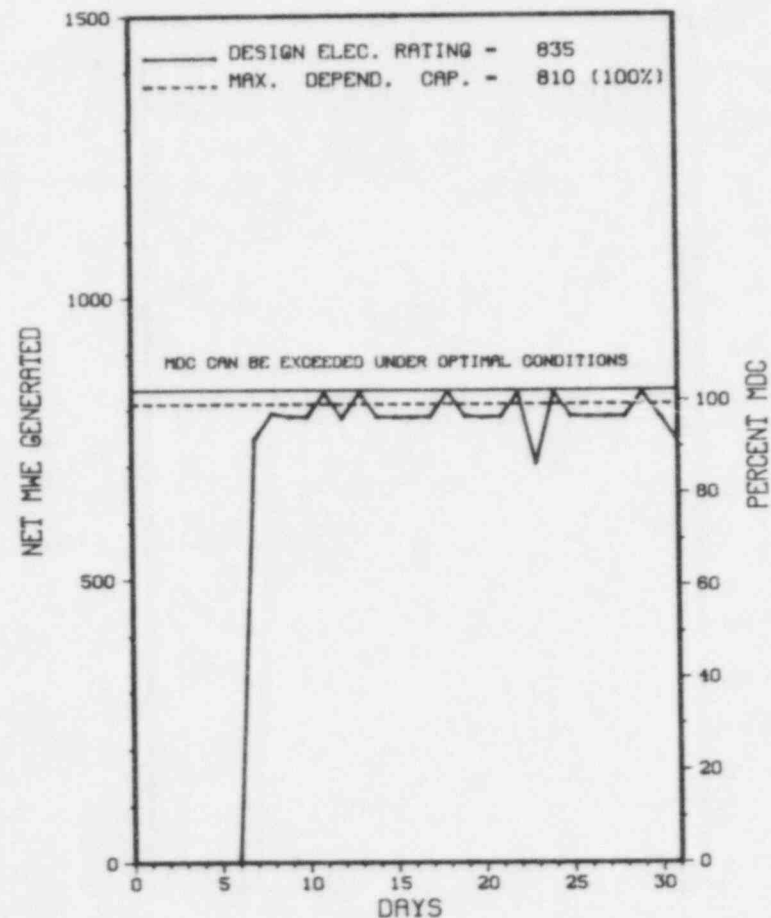
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>79,631.0</u>
13. Hours Reactor Critical	<u>614.9</u>	<u>3,304.7</u>	<u>40,664.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>603.0</u>	<u>3,163.0</u>	<u>39,246.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,568,263</u>	<u>7,381,609</u>	<u>90,780,114</u>
18. Gross Elec Ener (MWH)	<u>502,000</u>	<u>2,373,000</u>	<u>28,867,440</u>
19. Net Elec Ener (MWH)	<u>472,030</u>	<u>2,218,140</u>	<u>26,852,893</u>
20. Unit Service Factor	<u>81.0</u>	<u>87.3</u>	<u>51.6</u>
21. Unit Avail Factor	<u>81.0</u>	<u>87.3</u>	<u>51.6</u>
22. Unit Cap Factor (MDC Net)	<u>78.3</u>	<u>75.6</u>	<u>45.1</u>
23. Unit Cap Factor (DER Net)	<u>76.0</u>	<u>73.3</u>	<u>43.7</u>
24. Unit Forced Outage Rate	<u>19.0</u>	<u>10.5</u>	<u>25.9</u>
25. Forced Outage Hours	<u>141.0</u>	<u>370.0</u>	<u>18,242.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BEAVER VALLEY 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	04/01/85	F	124.6	A	4		CB	VESSEL	THE STATION REMAINED OFF LINE DUE TO A LEAK ON THE UPPER MANWAY OF THE PRESSURIZER. THE LEAK WAS REPAIRED AND THE PRESSURIZER RETURNED TO SERVICE.
20	04/06/85	F	7.0	A	1		HA	TURBIN	EXCESSIVE TURBINE BEARING VIBRATIONS DURING STARTUP AFTER PRESSURIZER OUTAGE. A TURBINE BALANCE MOVE WAS PERFORMED AND THE STATION RETURNED TO SERVICE AT 11:41 HOURS ON THE 6TH.
21	05/06/85	F	9.4	A	3	85-77	HI	GENERA	A REACTOR TRIP OCCURRED AT 11:53 HOURS DUE TO LO-LO STEAM GENERATOR LEVEL. THE STATION WAS BACK ON LINE AT 2114 HOURS ON THE 6TH.
22	05/17/85	S	0.0	B	5		HA	TURBIN	THE STATION REDUCED POWER TO PERFORM THE TURBINE THROTTLE, GOVERNOR, REHEAT STOP AND INTERCEPT VALVE TEST.
23	05/23/85	F	0.0	G	5	85-85	HI	VALVEX	THE STATION REDUCED POWER AFTER THE MISPOSITIONING OF TWO BLOWDOWN VALVES CAUSED LOW CONDENSER VACUUM AND HIGH HOTWELL TEMPERATURE. THE VALVES WERE CORRECTLY POSITIONED AND THE STATION RETURNED TO FULL POWER AT 2248 HOURS ON THE 23RD.

 * SUMMARY *

 BEAVER VALLEY 1 OPERATED WITH 3 OUTAGES AND 2 REDUCTIONS DURING THE MAY REPORT PERIOD.

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

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

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

* BEAVER VALLEY 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 73

8. Maximum Dependable Capacity (Net MWe): 69

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

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

11. Reasons for Restrictions, If Any:
NONE

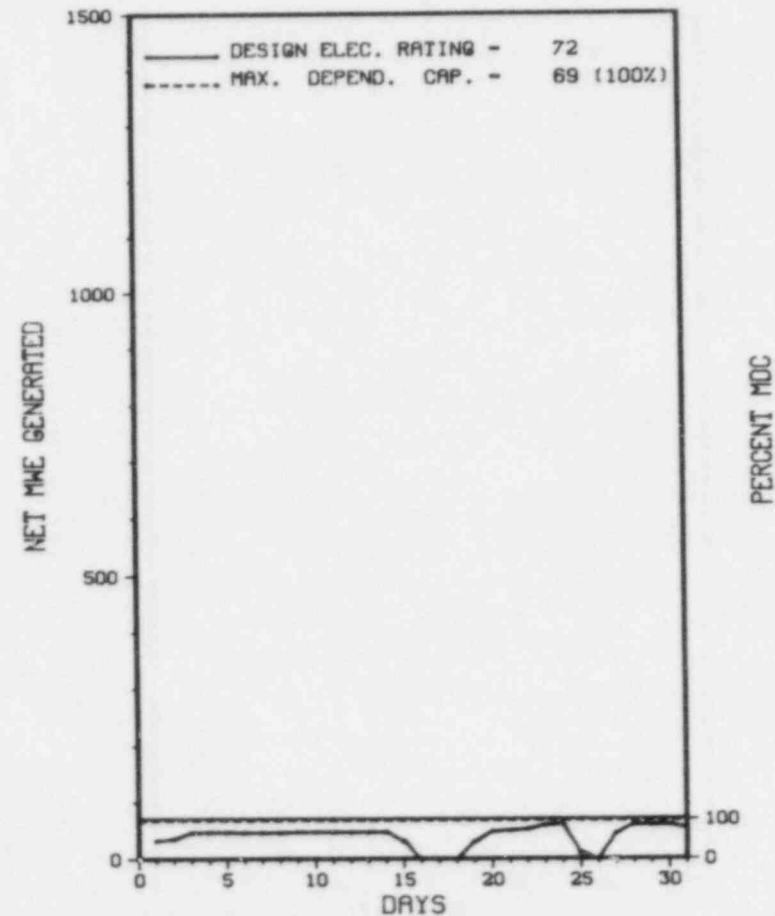
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>194,394.0</u>
13. Hours Reactor Critical	<u>644.3</u>	<u>3,085.9</u>	<u>137,778.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>623.6</u>	<u>3,041.0</u>	<u>135,240.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>101,372</u>	<u>626,209</u>	<u>25,478,762</u>
18. Gross Elec Ener (MWH)	<u>32,605</u>	<u>200,627</u>	<u>8,057,879</u>
19. Net Elec Ener (MWH)	<u>30,827</u>	<u>190,076</u>	<u>7,619,811</u>
20. Unit Service Factor	<u>83.8</u>	<u>83.9</u>	<u>69.6</u>
21. Unit Avail Factor	<u>83.8</u>	<u>83.9</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>60.0</u>	<u>75.4</u>	<u>58.4*</u>
23. Unit Cap Factor (DER Net)	<u>57.5</u>	<u>72.9</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>5.8</u>	<u>1.7</u>	<u>15.6</u>
25. Forced Outage Hours	<u>38.3</u>	<u>52.7</u>	<u>11,107.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



MAY 1985

* Item calculated with a Weighted Average

PAGE 2-014

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-03	05/01/85	F	0.0	A	5		CB	PUMPXX	POWER REDUCTION DUE TO REMOVING ONE RECIRCULATING PUMP FROM SERVICE WHICH HAD A PACKING LEAK.
85-04	05/15/85	S	82.1	A	1		CB	PUMPXX	SCHEDULED OUTAGE FOR REPAIR OF RECIRCULATING PUMP SEAL.
85-05	05/25/85	F	25.5	A	1		CB	VALVEX	SHUTDOWN TO REPAIR LEAK IN PACKING ON MOTOR OPERATED VALVE ON 3/4" HEAT EXCHANGER ON RECIRCULATING PUMP.
85-06	05/26/85	F	12.8	A	1		CB	VALVEX	SHUTDOWN TO REPAIR ABOVE VALVE.

 * SUMMARY *

BIG ROCK POINT 1 OPERATED WITH 3 OUTAGES AND 1 REDUCTION 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)

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....CHARLEVOIX

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI NE OF
CHARLEVOIX, MICH

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962

DATE ELEC ENER 1ST GENER...DECEMBER 8, 1962

DATE COMMERCIAL OPERATE...MARCH 29, 1963

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....S. GUTHRIE

LICENSING PROJ MANAGER....T. ROTELLA
DOCKET NUMBER.....50-155

LICENSE & DATE ISSUANCE...DPR-6, AUGUST 30, 1962

PUBLIC DOCUMENT ROOM.....NORTH CENTRAL MICHIGAN COLLEGE
1515 HOWARD STREET
PETOSKEY, MICHIGAN 49770

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 19, TO APRIL 29 (85005): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY THE SENIOR RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE OPERATION, SURVEILLANCE OPERATION, REACTOR TRIPS, LICENSEE EVENT REPORT FOLLOWUP, HEADQUARTERS REQUESTS, AND SPENT FUEL POOL MODIFICATIONS. THE INSPECTION INVOLVED A TOTAL OF 103 INSPECTOR-HOURS BY ONE NRC INSPECTOR. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CODE OF FEDERAL REGULATIONS TITLE 10 PART 20.311(D) STATES: ANY GENERATING LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY OR A LICENSED WASTE COLLECTOR SHALL COMPLY WITH THE REQUIREMENTS IN PARAGRAPHS (D)(1) THROUGH (8) OF THIS SECTION. PARAGRAPH (D)(3) STATES THAT A LICENSEE SHALL CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH PARTS 61.55 AND 61.56 OF THIS CHAPTER; THE PROGRAM MUST INCLUDE MANAGEMENT EVALUATION OF AUDITS. CONTRARY TO THE ABOVE, THE LICENSEE DOES NOT CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH THE WASTE CLASSIFICATION AND WASTE CHARACTERISTICS REQUIREMENTS OF 10 CFR 61.55 AND 10 CFR.56.
(8500 5)

Report Period MAY 1985

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

* BIG ROCK POINT 1 *

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: JUNE 3 - 28, 1985

INSPECTION REPORT NO: 85010

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

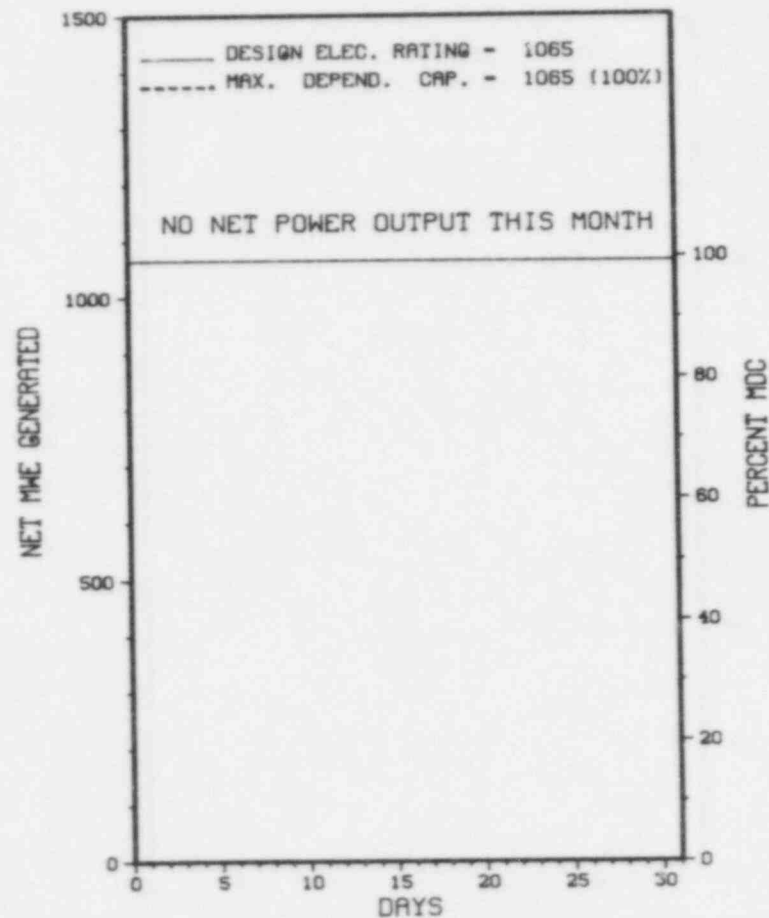
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>94,969.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,647.7</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>512.1</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,626.6</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,020,166</u>	<u>168,078,163</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,652,650</u>	<u>55,398,130</u>
19. Net Elec Ener (MWH)	<u>-6,989</u>	<u>1,589,819</u>	<u>53,763,640</u>
20. Unit Service Factor	<u>.0</u>	<u>44.9</u>	<u>61.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>44.9</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>41.2</u>	<u>53.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>41.2</u>	<u>53.2</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>55.1</u>	<u>23.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>1,996.4</u>	<u>18,041.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>03/01/86</u>			

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
314	03/26/85	F	744.0	D	4			THE UNIT REMAINS IN A SHUTDOWN CONDITION UNTIL IT UNDERGOES SEVERAL MODIFICATIONS, INCLUDING THOSE NECESSARY TO BRING IT INTO COMPLIANCE WITH ENVIRONMENTAL QUALIFICATIONS REQUIRED UNDER NUREG 0588.

* SUMMARY *

BROWNS FERRY 1 REMAINS SHUTDOWN IN A CONTINUING MODIFICATION OUTAGE.

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

* BROWNS FERRY 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 17, 1973
DATE ELEC ENER 1ST GENER...OCTOBER 15, 1973
DATE COMMERCIAL OPERATE...AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER....R. CLARK
DOCKET NUMBER.....50-259

LICENSE & DATE ISSUANCE...DPR-33, DECEMBER 20, 1973

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 1-4 (85-18): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, INSERVICE INSPECTION - REVIEW OF RECORDS, INSPECTION AND ENFORCEMENT BULLETIN 83-03, AND INSPECTOR FOLLOWUP ITEMS. THREE VIOLATIONS WERE IDENTIFIED - (1) PROCEDURES FOR INSPECTION OF DIESEL GENERATOR COOLING WATER VALVES - PARAGRAPH 6.B; (2) PORTION OF EMERGENCY EQUIPMENT COOLING WATER SYSTEM NOT CLASSIFIED AS CRITICAL SYSTEMS, STRUCTURES AND COMPONENTS - PARAGRAPH 3, AND (3) RECORDS FOR VALVE INSPECTIONS, PARAGRAPH 6.B.

INSPECTION APRIL 15-18 ((85-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 25 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROVIDE ADEQUATE TRAINING OF SHIFT ENGINEERS IN THE AREA OF OFFSITE PROTECTIVE ACTION DECISION MAKING.

INSPECTION MARCH 26 - APRIL 25 (85-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 97 INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE, REPORTABLE OCCURRENCES AND REACTOR TRIPS. ONE VIOLATION WITH FOUR EXAMPLES OF TECHNICAL SPECIFICATION 6.3.A FOR FAILURE TO FOLLOW PROCEDURES RELATED TO BATTERY SURVEILLANCE AND CLEARANCE PROCEDURES.

INSPECTION APRIL 22-26 (85-26): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEM (IE BULLETIN 79-14), AND PIPE SUPPORT BASE-PLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IE BULLETIN 79-02) IN CONJUNCTION WITH THE TORUS MODIFICATION PROGRAM. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES FOR SUPPORT INSPECTION - PARAGRAPH 5.B.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* BROWNS FERRY 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO BF GOI 100-1, ON 10/22/84, THE REACTOR WAS CRITICAL WITHOUT STEPS II.A.9, II.A.10, AND II.A.14 OF BF GOI 100-1 HAVING BEEN COMPLETED, NOR HAD THE SHIFT ENGINEER CONSENTED TO DEVIATIONS FROM THE PROCEDURAL SEQUENCE; CONTRARY TO MASTER REFUELING TEST INSTRUCTION CERTAIN ACTIONS WERE NOT TAKEN AND NO SIGNATURE OR APPROVAL OBTAINED PRIOR TO TAKING THE REACTOR CRITICAL; CONTRARY TO BF PRE-START-UP CHECKLIST THE DRYWELL EQUIPMENT HATCH TROLLEY CRANKS WERE UNLOCKED ON UNIT 3; CONTRARY TO THE PRE-STARTUP CHECKLIST A GRAPH OF KEFF WAS NOT ATTACHED TO A SURVEILLANCE INSTRUCTION; CONTRARY TO A RADWASTE SYSTEM INSTRUMENT CHECKLIST A DRYWELL FLOOR DRAIN SUMP TRANSMITTER FOR UNIT 3 WAS OUT OF SERVICE DURING POWER OPERATION; CONTRARY TO CRITERION V OF 10CFR 50, APPENDIX B, A RADWASTE INSTRUMENT CHECKLIST WAS INADEQUATE IN THAT INDIVIDUAL UNIT LINE-UPS FOR FLOOR DRAIN LEVEL TRANSMITTERS WERE NOT SPECIFIED FOR UNIT 3; CONTRARY TO A JET PUMP OPERABILITY SURVEILLANCE, A UNIT 3 SURVEILLANCE TEST DID NOT MEET THE ACCEPTANCE CRITERIA AND NO EXCEPTIONS WERE NOTED; CONTRARY TO TS 4.6.E, THE SURVEILLANCE INSTRUCTION THAT MEASURES INDIVIDUAL JET PUMP DIFFERENTIAL PRESSURES DID NOT DEMONSTRATE COMPLIANCE WITH THE TS.
(8404 3)

FAILURE TO CONTROL VITAL AREA ACCESS BY COMPENSATORY WATCH PERSONS.
(8500 3)

CONTRARY TO TECHNICAL SPECIFICATION 6.3.A.6, SURVEILLANCE INSTRUCTION 2 (SI-2) "INSTRUMENT CHECKS AND OBSERVATIONS" WAS NOT ADHERED TO ON 3/5/85 IN THAT THE COMPARISON OF REACTOR WATER LEVEL INSTRUMENT READINGS REQUIRED BY SECTION 2.1 WAS NOT PERFORMED ON THE UNIT I OR III LEVEL INSTRUMENTS. SECTION 2.1 OF SI-2 IMPLEMENTS THE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS REQUIRED BY T.S. 4.2.A, 4.2.B, AND 4.2.F. AN INSTRUMENT CHECK IS DEFINED IN T.S. 1.V.4 AS A QUALITATIVE DETERMINATION OF OPERABILITY BY OBSERVATION OF INSTRUMENT BEHAVIOR DURING OPERATION. THIS DETERMINATION SHALL INCLUDE, WHERE POSSIBLE, COMPARISON OF THE INSTRUMENT WITH OTHER INDEPENDENT INSTRUMENTS MEASURING THE SAME VARIABLE; SI-2 WAS INADEQUATELY WRITTEN SUCH THAT IT DID NOT FULLY IMPLEMENT THE T.S. SURVEILLANCE REQUIREMENTS. T.S. 4.2.A, 4.2.B, AND 4.2.F, REQUIRE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS CONSISTING OF A COMPARISON WITH OTHER INDEPENDENT INSTRUMENTS, WHERE POSSIBLE. SECTION 2.1 OF SI-2 IMPLEMENTS THIS REQUIREMENT, HOWEVER, IT ERRONEOUSLY REQUIRES COMPARISON OF INSTRUMENTS WHICH ARE NOT INDEPENDENT IN THAT THEY SHARE COMMON SENSING LINES EVEN THOUGH INDEPENDENT LEVEL INSTRUMENTS WERE AVAILABLE FOR COMPARISON. SI-2 WAS ADDITIONALLY INADEQUATE IN THAT IT DID NOT INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING WHAT CONSTITUTES A SATISFACTORY COMPARISON OF INDEPENDENT REACTOR WATER LEVEL INSTRUMENTS; THE LICENSEE FAILED TO ADHERE TO SURVEILLANCE INSTRUCTION 4.2.B-4 "INSTRUMENTATION THAT INITIATE OR CONTROL THE CORE STANDBY COOLING SYSTEMS-DRYWELL HIGH PRESSURE (PS-64-58-E-H)" ON 3/14/85 IN THAT: THE PNEUMATIC CALIBRATOR WAS NOT CONNECTED TO THE TEST TEE AS SPECIFIED IN STEP 4.3 BUT WAS INSTEAD CONNECTED TO A FITTING WHICH WAS DISCONNECTED IN THE INSTRUMENT; PRESSURE WAS NOT DECREASED BELOW 1.2 PSI AS REQUIRED IN STEP 4.5 BUT WAS INSTEAD DECREASED UNTIL THE APPLICABLE RELAY DROPPED OUT AT 1.7 PSI.

TECHNICAL SPECIFICATION 3.7.B.1 REQUIRES THAT ALL THREE TRAINS OF THE STANDBY GAS TREATMENT (SGBT) SYSTEM BE OPERABLE AT ALL TIMES WHEN SECONDARY CONTAINMENT INTEGRITY IS REQUIRED EXCEPT ONE TRAIN MAY BE OUT OF SERVICE FOR SEVEN DAYS AS SPECIFIED IN 3.7.B.3. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT DURING A ROUTINE TOUR OF THE NORMALLY LOCKED SGBT ROOM ON 3/8/85, THE 480 VOLT CIRCUIT BREAKER (2A) FOR THE HUMIDITY CONTROL HEATER OF SGBT "C" TRAIN WAS FOUND IN THE TRIPPED CONDITION MAKING THE "C" TRAIN INOPERABLE. INDICATION OF THIS CONDITION EXISTED AT THE BACK PANEL OF UNIT TWO CONTROL ROOM WHERE BOTH THE "OFF" (GREEN) AND "ON" (RED) INDICATING LIGHTS FOR THE HUMIDITY CONTROL HEATERS WERE NOT ILLUMINATED AND A MAINTENANCE REQUEST STICKER WAS STILL IN PLACE NEXT TO THE INDICATING LIGHTS FOR A PREVIOUSLY CLEARED MAINTENANCE REQUEST, M.R. A-312188, FOR TROUBLESHOOTING A PREVIOUS PROBLEM WITH THE HEATER BREAKER ON 10/6/84. THE CIRCUIT BREAKER WAS REPLACED AND THE TRAIN RETURNED TO SERVICE ON 3/9/85. CONTRARY TO THE REQUIREMENTS OF 10CFR 50, APPENDIX B, CRITERION II, THE LICENSEE DID NOT IDENTIFY EMERGENCY EQUIPMENT COOLING WATER COMPONENTS THAT PROVIDE COOLING WATER TO DIESEL GENERATORS AS COMPONENTS FOR INCLUSION IN THEIR QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVI, THE LICENSEE DID NOT PROMPTLY CORRECT THEIR LIST OF COMPONENTS TO BE INCLUDED IN THE QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, THE LICENSEE DID NOT HAVE ADEQUATE PROCEDURES FOR INSPECTIONS OF DIESEL GENERATOR COOLING WATER VALVES.
(8501 4)

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE COULD NOT RETRIEVE RECORDS OF VALVE INSPECTIONS CONDUCTED TO COMPLY WITH IEB-83-03.
(8501 5)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, BROWNS FERRY INSTRUCTION BF MAI-23, ACTIVITIES AFFECTING QUALITY WERE NOT BEING ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED PROCEDURES AND DRAWINGS IN THAT A FIELD INSPECTION OF SEVEN QC ACCEPTED PIPE SUPPORTS REVEALED FIVE SUPPORTS WITH DEVIATIONS FROM THE DOCUMENTED REQUIREMENTS. AS A RESULT, THESE SUPPORTS MAY NOT BE ABLE TO PERFORM THEIR INTENDED FUNCTION AS REQUIRED BY THE DESIGN. THESE FIVE SUPPORTS ARE IDENTIFIED BELOW: 1) UNIT 1 RHR SUPPORT #R-108, REV. 1, SNUBBER BOLT CONNECTIONS WERE LOOSE. PIPE CLAMP WAS INSTALLED WITH SINGLE NUT INSTEAD OF DOUBLE NUTS SPECIFIED BY THE MANUFACTURER'S INSTRUCTIONS; 2) UNIT 1 CORE SPRAY SUPPORT #H-83, REV. 1, CONFIGURATION WAS INCORRECT IN THAT A BOLT CONNECTION WAS USED INSTEAD OF A PIN CONNECTION SPECIFIED BY THE DRAWING. A LACK OF THREAD ENGAGEMENT FOR THREE BOLTS THAT WERE USED FOR THE PIPE CLAMP INSTALLATION WAS NOTED; 3) UNIT 3 RHR SUPPORT #R-62, REV. 2, DRAWING CALLED FOR A 5/16" ALL AROUND WELD WAS NOT ACHIEVABLE, ACTUAL WELD WAS 1/4" ON TWO SIDES. A LACK OF THREAD ENGAGEMENT FOR FOUR DOUBLE NUTS THAT WERE USED FOR U-BOLT INSTALLATION; 4) UNIT 3 RHR SUPPORT #R-11, REV. 3, THE LOCK NUT WAS LOOSE FOR THE STRUT INSTALLATION; AND 5) UNIT 3 RHR SUPPORT #R-105, REV. 2, A 3/16" FILLET WELD WAS MISSING AT TWO WELD ATTACHMENTS. THE PIPE CLAMP WAS INSTALLED WITH SINGLE NUT WITHOUT ANY LOCKING DEVICES. THE MANUFACTURER'S INSTRUCTIONS REQUIRE DOUBLE NUT INSTALLATION.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: APRIL 26, 1985 +

INSPECTION REPORT NO: 50-259/85-26 +

Report Period MAY 1985

REPORTS FROM LICENSEE

* BROWNS FERRY 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-007	03/18/85	04/16/85	UNMONITORED STACK GAS RELEASE, DUE TO PERSONNEL ERROR.
85-008	03/18/85	04/16/85	MANUAL SCRAM DUE TO LEAKING VALVE BONNETS. SURVEILLANCE INSTRUCTION WAS RECEIVED.
85-009	03/22/85	04/19/85	DESIGN ERROR IN PRIMARY CONTAINMENT ISOLATION SYSTEM LOGIC CAUSED BY A TVA DESIGN CHANGE.
85-010	04/03/85	05/03/85	DISCONTINUANCE OF CAM HOURLY SAMPLING, DUE TO PERSONNEL ERROR, FAILED TO CONTINUE HOURLY SAMPLES.
85-011	04/11/85	05/08/85	PRIMARY CONTAINMENT ISOLATION SYSTEM INITIATION, THE COIL IN RELAY 16AK72 FAILED CAUSING CONTROL CIRCUIT FUSE TO BLOW.

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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: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

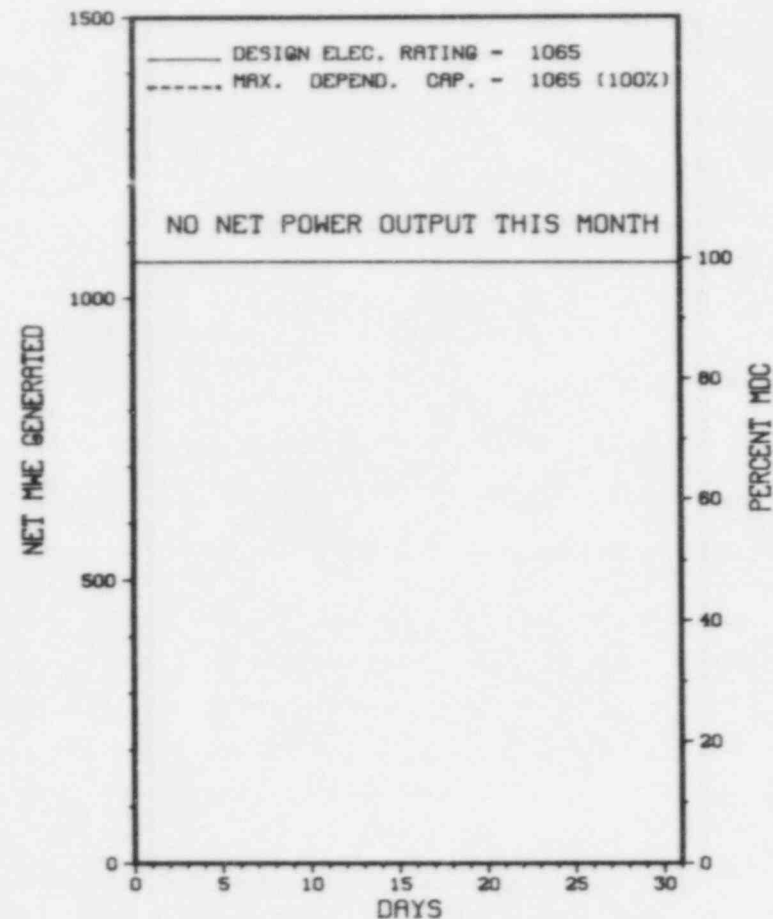
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>89,880.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>-1,575</u>	<u>-13,687</u>	<u>49,289,286</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>60.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>60.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>51.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>51.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>16,304.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>12/05/85</u>			

 * BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
305	09/15/84	S	744.0	C	4				EOC-5 REFUEL OUTAGE (CONTROLLED SHUTDOWN 9/15/84).

* SUMMARY *

BROWNS FERRY 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

* BROWNS FERRY 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION APRIL 1-4 (85-18): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, INSERVICE INSPECTION - REVIEW OF RECORDS, INSPECTION AND ENFORCEMENT BULLETIN 83-03, AND INSPECTOR FOLLOWUP ITEMS. THREE VIOLATIONS WERE IDENTIFIED - (1) PROCEDURES FOR INSPECTION OF DIESEL GENERATOR COOLING WATER VALVES - PARAGRAPH 6.B; (2) PORTION OF EMERGENCY EQUIPMENT COOLING WATER SYSTEM NOT CLASSIFIED AS CRITICAL SYSTEMS, STRUCTURES AND COMPONENTS - PARAGRAPH 3, AND (3) RECORDS FOR VALVE INSPECTIONS, PARAGRAPH 6.B.

INSPECTION APRIL 15-18 ((85-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 25 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROVIDE ADEQUATE TRAINING OF SHIFT ENGINEERS IN THE AREA OF OFFSITE PROTECTIVE ACTION DECISION MAKING.

INSPECTION MARCH 26 - APRIL 25 (85-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 96.5 INSPECTOR-HOURS IN THE OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE, REPORTABLE OCCURRENCES AND REACTOR TRIPS. ONE VIOLATION WITH FOUR EXAMPLES OF TECHNICAL SPECIFICATION 6.3.A FOR FAILURE TO FOLLOW PROCEDURES RELATED TO BATTERY SURVEILLANCE AND CLEARANCE PROCEDURES.

INSPECTION APRIL 22-26 (85-26): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEM (IE AREAS BULLETIN 79-14), AND PIPE SUPPORT BASE-PLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IE BULLETIN 79-02) IN CONJUNCTION WITH THE TORUS MODIFICATION PROGRAM. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES FOR SUPPORT INSPECTION - PARAGRAPH 5.B.

INSPECTION STATUS - (CONTINUED)

* BROWNS FERRY 2 *

CONTRARY TO BF GOI 100-1, ON 10/22/84, THE REACTOR WAS CRITICAL WITHOUT STEPS II.A.9, II.A.10, AND II.A.14 OF BF GOI 100-1 HAVING BEEN COMPLETED, NOR HAD THE SHIFT ENGINEER CONSENTED TO DEVIATIONS FROM THE PROCEDURAL SEQUENCE; CONTRARY TO MASTER REFUELING TEST INSTRUCTION CERTAIN ACTIONS WERE NOT TAKEN AND NO SIGNATURE OR APPROVAL OBTAINED PRIOR TO TAKING THE REACTOR CRITICAL; CONTRARY TO BF PRE-START-UP CHECKLIST THE DRYWELL EQUIPMENT HATCH TROLLEY CRANKS WERE UNLOCKED ON UNIT 3; CONTRARY TO THE PRE-STARTUP CHECKLIST A GRAPH OF KEFF WAS NOT ATTACHED TO A SURVEILLANCE INSTRUCTION; CONTRARY TO A RADWASTE SYSTEM INSTRUMENT CHECKLIST A DRYWELL FLOOR DRAIN SUMP TRANSMITTER FOR UNIT 3 WAS OUT OF SERVICE DURING POWER OPERATION; CONTRARY TO CRITERION V OF 10CFR 50, APPENDIX B, A RADWASTE INSTRUMENT CHECKLIST WAS INADEQUATE IN THAT INDIVIDUAL UNIT LINE-UPS FOR FLOOR DRAIN LEVEL TRANSMITTERS WERE NOT SPECIFIED FOR UNIT 3; CONTRARY TO A JET PUMP OPERABILITY SURVEILLANCE, A UNIT 3 SURVEILLANCE TEST DID NOT MEET THE ACCEPTANCE CRITERIA AND NO EXCEPTIONS WERE NOTED; CONTRARY TO TS 4.6.E, THE SURVEILLANCE INSTRUCTION THAT MEASURES INDIVIDUAL JET PUMP DIFFERENTIAL PRESSURES DID NOT DEMONSTRATE COMPLIANCE WITH THE TS.

(8404 3)

FAILURE TO CONTROL VITAL AREA ACCESS BY COMPENSATORY WATCH PERSONS.
(8500 3)

CONTRARY TO TECHNICAL SPECIFICATION 6.3.A.6, SURVEILLANCE INSTRUCTION 2 (SI-2) "INSTRUMENT CHECKS AND OBSERVATIONS" WAS NOT ADHERED TO ON 3/5/85 IN THAT THE COMPARISON OF REACTOR WATER LEVEL INSTRUMENT READINGS REQUIRED BY SECTION 2.1 WAS NOT PERFORMED ON THE UNIT I OR III LEVEL INSTRUMENTS. SECTION 2.1 OF SI-2 IMPLEMENTS THE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS REQUIRED BY T.S. 4.2.A, 4.2.B, AND 4.2.F. AN INSTRUMENT CHECK IS DEFINED IN T.S. 1.V.4 AS A QUALITATIVE DETERMINATION OF OPERABILITY BY OBSERVATION OF INSTRUMENT BEHAVIOR DURING OPERATION. THIS DETERMINATION SHALL INCLUDE, WHERE POSSIBLE, COMPARISON OF THE INSTRUMENT WITH OTHER INDEPENDENT INSTRUMENTS MEASURING THE SAME VARIABLE; SI-2 WAS INADEQUATELY WRITTEN SUCH THAT IT DID NOT FULLY IMPLEMENT THE T.S. SURVEILLANCE REQUIREMENTS. T.S. 4.2.A, 4.2.B, AND 4.2.F, REQUIRE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS CONSISTING OF A COMPARISON WITH OTHER INDEPENDENT INSTRUMENTS, WHERE POSSIBLE. SECTION 2.1 OF SI-2 IMPLEMENTS THIS REQUIREMENT, HOWEVER, IT ERRONEOUSLY REQUIRES COMPARISON OF INSTRUMENTS WHICH ARE NOT INDEPENDENT IN THAT THEY SHARE COMMON SENSING LINES EVEN THOUGH INDEPENDENT LEVEL INSTRUMENTS WERE AVAILABLE FOR COMPARISON. SI-2 WAS ADDITIONALLY INADEQUATE IN THAT IT DID NOT INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING WHAT CONSTITUTES A SATISFACTORY COMPARISON OF INDEPENDENT REACTOR WATER LEVEL INSTRUMENTS; THE LICENSEE FAILED TO ADHERE TO SURVEILLANCE INSTRUCTION 4.2.B-4 "INSTRUMENTATION THAT INITIATE OR CONTROL THE CORE STANDBY COOLING SYSTEMS-DRYWELL HIGH PRESSURE (PS-64-58-E-H)" ON 3/14/85 IN THAT: THE PNEUMATIC CALIBRATOR WAS NOT CONNECTED TO THE TEST TEE AS SPECIFIED IN STEP 4.3 BUT WAS INSTEAD CONNECTED TO A FITTING WHICH WAS DISCONNECTED IN THE INSTRUMENT; PRESSURE WAS NOT DECREASED BELOW 1.2 PSI AS REQUIRED IN STEP 4.5 BUT WAS INSTEAD DECREASED UNTIL THE APPLICABLE RELAY DROPPED OUT AT 1.7 PSI.

TECHNICAL SPECIFICATION 3.7.B.1 REQUIRES THAT ALL THREE TRAINS OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM BE OPERABLE AT ALL TIMES WHEN SECONDARY CONTAINMENT INTEGRITY IS REQUIRED EXCEPT ONE TRAIN MAY BE OUT OF SERVICE FOR SEVEN DAYS AS SPECIFIED IN 3.7.B.3. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT DURING A ROUTINE TOUR OF THE NORMALLY LOCKED SBGT ROOM ON 3/8/85, THE 480 VOLT CIRCUIT BREAKER (2A) FOR THE HUMIDITY CONTROL HEATER OF SBGT "C" TRAIN WAS FOUND IN THE TRIPPED CONDITION MAKING THE "C" TRAIN INOPERABLE. INDICATION OF THIS CONDITION EXISTED AT THE BACK PANEL OF UNIT TWO CONTROL ROOM WHERE BOTH THE "OFF" (GREEN) AND "ON" (RED) INDICATING LIGHTS FOR THE HUMIDITY CONTROL HEATERS WERE NOT ILLUMINATED AND A MAINTENANCE REQUEST STICKER WAS STILL IN PLACE NEXT TO THE INDICATING LIGHTS FOR A PREVIOUSLY CLEARED MAINTENANCE REQUEST, M.R. A-312188, FOR TROUBLESHOOTING A PREVIOUS PROBLEM WITH THE HEATER BREAKER ON 10/6/84. THE CIRCUIT BREAKER WAS REPLACED AND THE TRAIN RETURNED TO SERVICE ON 3/9/85. CONTRARY TO THE REQUIREMENTS OF 10CFR 50, APPENDIX B, CRITERION II, THE LICENSEE DID NOT IDENTIFY EMERGENCY EQUIPMENT COOLING WATER COMPONENTS THAT PROVIDE COOLING WATER TO DIESEL GENERATORS AS COMPONENTS FOR INCLUSION IN THEIR QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVI, THE LICENSEE DID NOT PROMPTLY CORRECT THEIR LIST OF COMPONENTS TO BE INCLUDED IN THE QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, THE LICENSEE DID NOT HAVE ADEQUATE PROCEDURES FOR INSPECTIONS OF DIESEL GENERATOR COOLING WATER VALVES.
(8501 4)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE COULD NOT RETRIEVE RECORDS OF VALVE INSPECTIONS CONDUCTED TO COMPLY WITH IEB-83-03.

INSPECTION STATUS - (CONTINUED)

PAGE 2-028

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>72,335.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,517.5</u>	<u>45,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>508.0</u>	<u>5,149.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,497.0</u>	<u>44,195.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,649,840</u>	<u>131,846,076</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,572,770</u>	<u>43,473,760</u>
19. Net Elec Ener (MWH)	<u>-6,781</u>	<u>1,512,056</u>	<u>42,178,717</u>
20. Unit Service Factor	<u>.0</u>	<u>41.3</u>	<u>61.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>41.3</u>	<u>61.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.2</u>	<u>54.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>39.2</u>	<u>54.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>58.7</u>	<u>15.5</u>
25. Forced Outage Hours	<u>744.0</u>	<u>2,126.0</u>	<u>8,080.4</u>

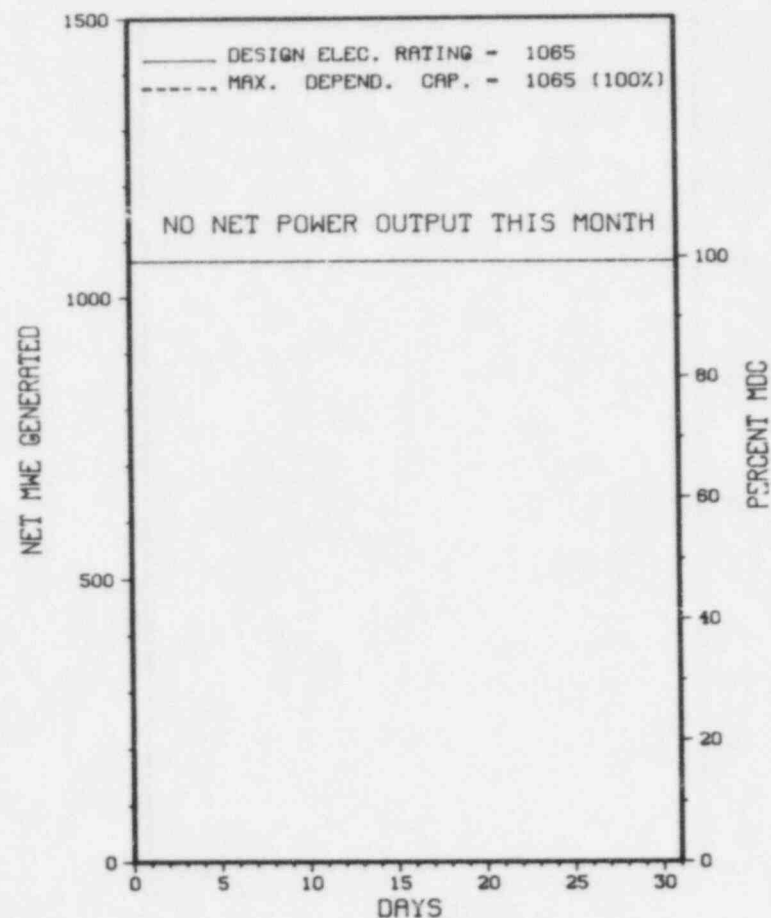
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/85

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
156	03/15/85	F	744.0	F	4				THE UNIT REMAINS ON ADMINISTRATIVE HOLD UNTIL VARIOUS TVA AND NRC CONCERNS ARE RESOLVED.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUTDOWN IN A CONTINUING ADMINISTRATIVE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1976

DATE COMMERCIAL OPERATE...MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-296

LICENSE & DATE ISSUANCE...DPR-68, AUGUST 18, 1976

PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

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Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* BROWNS FERRY 3 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO BF GOI 100-1, ON 10/22/84, THE REACTOR WAS CRITICAL WITHOUT STEPS II.A.9, II.A.10, AND II.A.14 OF BF GOI 100-1 HAVING BEEN COMPLETED, NOR HAD THE SHIFT ENGINEER CONSENTED TO DEVIATIONS FROM THE PROCEDURAL SEQUENCE; CONTRARY TO MASTER REFUELING TEST INSTRUCTION CERTAIN ACTIONS WERE NOT TAKEN AND NO SIGNATURE OR APPROVAL OBTAINED PRIOR TO TAKING THE REACTOR CRITICAL; CONTRARY TO BF PRE-START-UP CHECKLIST THE DRYWELL EQUIPMENT HATCH TROLLEY CRANKS WERE UNLOCKED ON UNIT 3; CONTRARY TO THE PRE-STARTUP CHECKLIST A GRAPH OF KEFF WAS NOT ATTACHED TO A SURVEILLANCE INSTRUCTION; CONTRARY TO A RADWASTE SYSTEM INSTRUMENT CHECKLIST A DRYWELL FLOOR DRAIN SUMP TRANSMITTER FOR UNIT 3 WAS OUT OF SERVICE DURING POWER OPERATION; CONTRARY TO CRITERION V OF 10CFR 50, APPENDIX B, A RADWASTE INSTRUMENT CHECKLIST WAS INADEQUATE IN THAT INDIVIDUAL UNIT LINE-UPS FOR FLOOR DRAIN LEVEL TRANSMITTERS WERE NOT SPECIFIED FOR UNIT 3; CONTRARY TO A JET PUMP OPERABILITY SURVEILLANCE, A UNIT 3 SURVEILLANCE TEST DID NOT MEET THE ACCEPTANCE CRITERIA AND NO EXCEPTIONS WERE NOTED; CONTRARY TO TS 4.6.E, THE SURVEILLANCE INSTRUCTION THAT MEASURES INDIVIDUAL JET PUMP DIFFERENTIAL PRESSURES DID NOT DEMONSTRATE COMPLIANCE WITH THE TS. CONTRARY TO T.S. 4.3.B.3.C, ON 10/22/84 THE CAPABILITY OF THE RWM WAS NOT VERIFIED BEFORE REACTOR STARTUP IN THAT THE REQUIRED RWM WITHDRAWAL SEQUENCE REQUIRED BY REFUEL TEST INSTRUCTION (RTI) 4, TABLE 4.1.B WAS INCORRECTLY ENTERED INTO THE RWM COMPUTER AND INADEQUATELY VERIFIED PRIOR TO USE OF THE RWM PROGRAM. CONTRARY TO T.S. 3.3.B.3.C, ON OCTOBER 22, 1984 THE RWM WAS NOT OPERABLE AND THE REACTOR WAS NOT SHUT DOWN NOR WAS A SECOND LICENSED OPERATOR STATIONED AT THE REACTOR CONSOLE. CONTRARY TO T.S. 3.6.E.1, ON 10/22/84 DURING THE UNIT 3 REACTOR STARTUP, TWO JET PUMPS WERE NOT DEMONSTRATED TO BE OPERABLE. JET PUMP DIFFERENTIAL PRESSURE FLOW INSTRUMENTS FLOW TRANSMITTER (FT) 68-19 AND 68-40 WERE INOPERABLE DUE TO VALVE MISALIGNMENT ERRORS. THIS VALVE MISALIGNMENT PREVENTED VERIFYING OPERABILITY OF THE JET PUMPS. (8404 3)

FAILURE TO CONTROL VITAL AREA ACCESS BY COMPENSATORY WATCH PERSONS.
(8500 3)

CONTRARY TO TECHNICAL SPECIFICATION 6.3.A.6, SURVEILLANCE INSTRUCTION 2 (SI-2) "INSTRUMENT CHECKS AND OBSERVATIONS" WAS NOT ADHERED TO ON 3/5/85 IN THAT THE COMPARISON OF REACTOR WATER LEVEL INSTRUMENT READINGS REQUIRED BY SECTION 2.1 WAS NOT PERFORMED ON THE UNIT I OR III LEVEL INSTRUMENTS. SECTION 2.1 OF SI-2 IMPLEMENTS THE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS REQUIRED BY T.S. 4.2.A, 4.2.B, AND 4.2.F. AN INSTRUMENT CHECK IS DEFINED IN T.S. 1.V.4 AS A QUALITATIVE DETERMINATION OF OPERABILITY BY OBSERVATION OF INSTRUMENT BEHAVIOR DURING OPERATION. THIS DETERMINATION SHALL INCLUDE, WHERE POSSIBLE, COMPARISON OF THE INSTRUMENT WITH OTHER INDEPENDENT INSTRUMENTS MEASURING THE SAME VARIABLE; SI-2 WAS INADEQUATELY WRITTEN SUCH THAT IT DID NOT FULLY IMPLEMENT THE T.S. SURVEILLANCE REQUIREMENTS. T.S. 4.2.A, 4.2.B, AND 4.2.F, REQUIRE DAILY REACTOR WATER LEVEL INSTRUMENT CHECKS CONSISTING OF A COMPARISON WITH OTHER INDEPENDENT INSTRUMENTS, WHERE POSSIBLE. SECTION 2.1 OF SI-2 IMPLEMENTS THIS REQUIREMENT, HOWEVER, IT ERRONEOUSLY REQUIRES COMPARISON OF INSTRUMENTS WHICH ARE NOT INDEPENDENT IN THAT THEY SHARE COMMON SENSING LINES EVEN THOUGH INDEPENDENT LEVEL INSTRUMENTS WERE AVAILABLE FOR COMPARISON. SI-2 WAS ADDITIONALLY INADEQUATE IN THAT IT DID NOT INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING WHAT CONSTITUTES A SATISFACTORY COMPARISON OF INDEPENDENT REACTOR WATER LEVEL INSTRUMENTS; THE LICENSEE FAILED TO ADHERE TO SURVEILLANCE INSTRUCTION 4.2.B-4 "INSTRUMENTATION THAT INITIATE OR CONTROL THE CORE STANDBY COOLING SYSTEMS-DRYWELL HIGH PRESSURE (PS-64-58-E-H)" ON 3/14/85 IN THAT: THE PNEUMATIC CALIBRATOR WAS NOT CONNECTED TO THE TEST TEE AS SPECIFIED IN STEP 4.3 BUT WAS INSTEAD CONNECTED TO A FITTING WHICH WAS DISCONNECTED IN THE INSTRUMENT; PRESSURE WAS NOT DECREASED BELOW 1.2 PSI AS REQUIRED IN STEP 4.5 BUT WAS INSTEAD DECREASED UNTIL THE APPLICABLE RELAY DROPPED OUT AT 1.7 PSI.

TECHNICAL SPECIFICATION 3.7.B.1 REQUIRES THAT ALL THREE TRAINS OF THE STANDBY GAS TREATMENT (SBGT) SYSTEM BE OPERABLE AT ALL TIMES WHEN SECONDARY CONTAINMENT INTEGRITY IS REQUIRED EXCEPT ONE TRAIN MAY BE OUT OF SERVICE FOR SEVEN DAYS AS SPECIFIED IN 3.7.B.3. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT DURING A ROUTINE TOUR OF THE NORMALLY LOCKED SBGT ROOM ON 3/8/85, THE 480 VOLT CIRCUIT BREAKER (2A) FOR THE HUMIDITY CONTROL HEATER OF SBGT "C" TRAIN WAS FOUND IN THE TRIPPED CONDITION MAKING THE "C" TRAIN INOPERABLE. INDICATION OF THIS CONDITION EXISTED AT THE BACK PANEL OF UNIT TWO CONTROL ROOM WHERE BOTH THE "OFF" (GREEN) AND "ON" (RED) INDICATING LIGHTS FOR THE HUMIDITY CONTROL HEATERS WERE NOT ILLUMINATED AND A MAINTENANCE REQUEST STICKER WAS STILL IN PLACE NEXT TO THE INDICATING LIGHTS FOR A PREVIOUSLY CLEARED MAINTENANCE REQUEST, M.R. A-312188, FOR TROUBLESHOOTING A PREVIOUS PROBLEM WITH THE HEATER BREAKER ON 10/6/84. THE CIRCUIT BREAKER WAS REPLACED AND THE TRAIN RETURNED TO SERVICE ON 3/9/85.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10CFR 50, APPENDIX B, CRITERION II, THE LICENSEE DID NOT IDENTIFY EMERGENCY EQUIPMENT COOLING WATER COMPONENTS THAT PROVIDE COOLING WATER TO DIESEL GENERATORS AS COMPONENTS FOR INCLUSION IN THEIR QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVI, THE LICENSEE DID NOT PROMPTLY CORRECT THEIR LIST OF COMPONENTS TO BE INCLUDED IN THE QA PROGRAM. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, THE LICENSEE DID NOT HAVE ADEQUATE PROCEDURES FOR INSPECTIONS OF DIESEL GENERATOR COOLING WATER VALVES.
(8501 4)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE COULD NOT RETRIEVE RECORDS OF VALVE INSPECTIONS CONDUCTED TO COMPLY WITH IEB-83-03.
(8501 5)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, BROWNS FERRY INSTRUCTION BF MAI-23, ACTIVITIES AFFECTING QUALITY WERE NOT BEING ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED PROCEDURES AND DRAWINGS IN THAT A FIELD INSPECTION OF SEVEN QC ACCEPTED PIPE SUPPORTS REVEALED FIVE SUPPORTS WITH DEVIATIONS FROM THE DOCUMENTED REQUIREMENTS. AS A RESULT, THESE SUPPORTS MAY NOT BE ABLE TO PERFORM THEIR INTENDED FUNCTION AS REQUIRED BY THE DESIGN. THESE FIVE SUPPORTS ARE IDENTIFIED BELOW: 1) UNIT 1 RHR SUPPORT #R-108, REV. 1, SNUBBER BOLT CONNECTIONS WERE LOOSE. PIPE CLAMP WAS INSTALLED WITH SINGLE NUT INSTEAD OF DOUBLE NUTS SPECIFIED BY THE MANUFACTURER'S INSTRUCTIONS; 2) UNIT 1 CORE SPRAY SUPPORT #H-83, REV. 1, CONFIGURATION WAS INCORRECT IN THAT A BOLT CONNECTION WAS USED INSTEAD OF A PIN CONNECTION SPECIFIED BY THE DRAWING. A LACK OF THREAD ENGAGEMENT FOR THREE BOLTS THAT WERE USED FOR THE PIPE CLAMP INSTALLATION WAS NOTED; 3) UNIT 3 RHR SUPPORT #R-62, REV. 2, DRAWING CALLED FOR A 5/16" ALL AROUND WELD WAS NOT ACHIEVABLE, ACTUAL WELD WAS 1/4" ON TWO SIDES. A LACK OF THREAD ENGAGEMENT FOR FOUR DOUBLE NUTS THAT WERE USED FOR U-BOLT INSTALLATION; 4) UNIT 3 RHR SUPPORT #R-11, REV. 3, THE LOCK NUT WAS LOOSE FOR THE STRUT INSTALLATION; AND 5) UNIT 3 RHR SUPPORT #R-105, REV. 2, A 3/16" FILLET WELD WAS MISSING AT TWO WELD ATTACHMENTS. THE PIPE CLAMP WAS INSTALLED WITH SINGLE NUT WITHOUT ANY LOCKING DEVICES. THE MANUFACTURER'S INSTRUCTIONS REQUIRE DOUBLE NUT INSTALLATION.
(8502 4)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION III A SYSTEM REQUIRED TO MITIGATE THE CONSEQUENCES OF A POSTULATED ACCIDENT WAS NOT BEING DESIGNED TO APPROPRIATE QUALITY STANDARD IN THAT A REVIEW OF DESIGN CALCULATIONS FOR PIPE SUPPORT HPCI R-86, R2, REVEALED VARIOUS DISCREPANCIES IDENTIFIED BELOW: CALCULATION SHEET 2 SPECIFIED 1" PLATE, THE AS-BUILT PLATE WAS 1 1/2" THICK; THE 5/16" FILLET WELD WHICH WAS SUBJECT TO 12,000 POUND LOAD AND THE FIRST TIME IN WELD APPEARANCE WAS SIMPLY EVALUATED BY ENGINEERING JUDGEMENT. NO CALCULATIONS WERE PERFORMED; CALCULATION SHEET 3 SPECIFIED A 3/4" PLATE FOR QUALIFICATION, ACTUAL CALCULATION WAS BASED ON 1 1/2" THICK; CROSS-SECTIONAL AREA OF THE PLATE SHOWED 8 SQUARE INCHES, ACTUAL PLATE CROSS-SECTIONAL AREA SHOULD BE 12 SQUARE INCHES; SHEET 5 SHOWED TWO STRUCTURAL MEMBERS, ONE VERTICAL AND ONE SLOPED, THESE TWO MEMBERS HAD BEEN REMOVED. THERE WERE NO NOTES TO INDICATE THAT THESE MEMBERS WERE EITHER VOID OR SUPERSEDED; NO WELD CALCULATIONS WERE FOUND FOR THE TWO ATTACHMENT PLATES, 1 1/2"x8"x8", AS SHOWN ON THE AS-BUILT DRAWING; SHEET 6 SPECIFIED PLATE SIZE 1 1/2"x12"x1'-2" WITH 3/4" DIAMETER BOLT. THERE WERE NO NOTES TO INDICATE THAT THE PLATE HAD BEEN REVISED TO 1 1/2"x15"x1'-3", AND BOLT SIZE HAD BEEN CHANGED TO 1 1/4" DIAMETER; AS-BUILT DRAWING SHOWED A WELD CONNECTION BETWEEN STRUT ASSEMBLY AND THE STEEL BEAM, NO WELD CALCULATIONS WERE FOUND; SHEET 10 THRU 13 SHOWED SUPPORT NO. R-90 AND SUPPORT DETAIL ASSEMBLY. THERE WERE NO NOTES TO INDICATE THAT THE R-90 AND THE SUPPORT ASSEMBLY WERE VOID OR SUPERSEDED.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1985

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

* BROWNS FERRY 3 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

LAST IE SITE INSPECTION DATE: APRIL 22-26, 1985 +

INSPECTION REPORT NO: 50-296/85-26 +

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

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

85-004	03/28/85	04/29/85	GASEOUS WASTE DISPOSAL TANK RELEASED W/OUT A REDUNDANT SAMPLE ANALYSIS, PERSONNEL FORGOT THAT THE MONITOR WAS OUT OF SERVICE.
85-006	04/11/85	05/13/85	REACTOR TRIP DURING A DIVERGENT SECONDARY PRESSURE SWING, THE PRESSURE CONTROL CAN BE UNSTABLE.
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any: _____
NONE

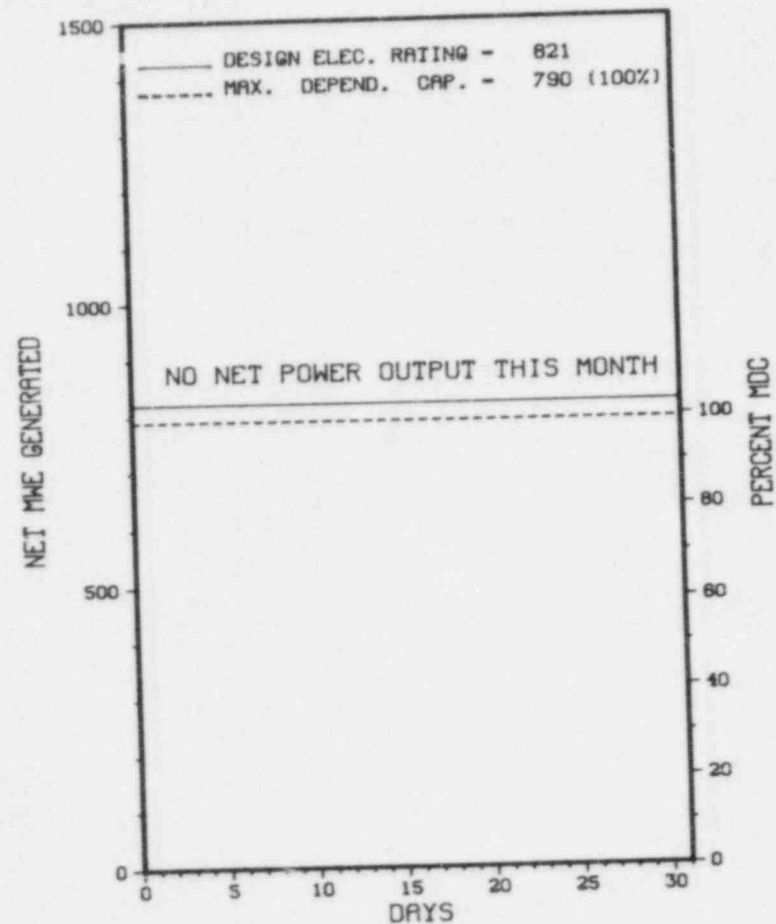
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>71,928.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,079.0</u>	<u>45,500.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,064.4</u>	<u>42,954.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,521,597</u>	<u>87,570,785</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,180,426</u>	<u>28,922,520</u>
19. Net Elec Ener (MWH)	<u>-3,374</u>	<u>1,133,420</u>	<u>27,779,194</u>
20. Unit Service Factor	<u>.0</u>	<u>57.0</u>	<u>59.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>57.0</u>	<u>59.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.6</u>	<u>48.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.1</u>	<u>47.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>18.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>47.1</u>	<u>9,598.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 10/31/85

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-006	03/29/85	S	744.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

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

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram
	C-Refueling	H-Other	3-Auto Scram
	D-Regulatory Restriction		4-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other

Exhibit F & H
Instructions for
Preparation of
Data Entry Sheet
Licensee Event Report
(LER) File (NUREG-0161)

* BRUNSWICK 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 8, 1976

DATE ELEC ENER 1ST GENER...DECEMBER 4, 1976

DATE COMMERCIAL OPERATE...MARCH 18, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 1-31 (85-05): THIS ROUTINE SAFETY INSPECTION ENTAILED 140 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE AND ON-SITE LICENSEE EVENT REPORT REVIEW, INDEPENDENT INSPECTION AND MODIFICATION REVIEW. ONE VIOLATION WAS IDENTIFIED IN ONE AREA - "FAILURE TO FOLLOW SURVEILLANCE PROCEDURE PT 1.17PC" (PARAGRAPH 6).

INSPECTION APRIL 1-30 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION AND PLANT TRANSIENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 8-12 (85-10): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 15.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF INDEPENDENT ACCORDANCE WITH INSPECTION EFFORT, EXAMINATION OF INCONEL BUTTERED WELDS IN RECOMMENDATIONS GIVEN IN IE INFORMATION NOTICE NO. 84-41, RE-EXAMINATION OF OVERLAY WELD REPAIRS MADE PRIOR TO OCTOBER 1984, AND RE-INSPECTION OF WELD NUMBER 1-B32-RECIRC-28"-B- 12. (THIS WELD CONTAINED AN INTEGRANULAR STRESS CORROSION CRACK INDICATION, BUT WAS NOT REPAIRED.) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-9 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF IMPLEMENTATION OF THE PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM AT SHEARON HARRIS NUCLEAR POWER PLANT AND QUALITY ASSURANCE AT THE HARRIS ENERGY AND ENVIRONMENTAL CENTER'S (HEEC) RADIOLOGICAL ENVIRONMENTAL LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* BRUNSWICK 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

TS 6.8.1 (C) REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED FOR SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT IMPLEMENT PT 1.1.7PC IN THAT STEP VII D.3.(A) WAS NOT COMPLETED UPON RESUMPTION OF THE SURVEILLANCE TEST AFTER AN 8 HOUR POSTPONEMENT. CONSEQUENTLY, APRMS WERE NOT BYPASSED DURING THE INDIVIDUAL LPRM CALIBRATION RESULTING IN A HALF REACTOR PROTECTION SYSTEM TRIP. TS 6.8.1 (C) REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED FOR SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT IMPLEMENT PT 1.1.7PC IN THAT STEP VII D.3.(A) WAS NOT COMPLETED UPON RESUMPTION OF THE SURVEILLANCE TEST AFTER AN 8 HOUR POSTPONEMENT. CONSEQUENTLY, APRMS WERE NOT BYPASSED DURING THE INDIVIDUAL LPRM CALIBRATION RESULTING IN A HALF REACTOR PROTECTION SYSTEM TRIP. TECHNICAL SPECIFICATION 6.12 "HIGH RADIATION AREA", STATES IN PART "A. A HIGH RADIATION AREA IN WHICH THE INTENSITY OF RADIATION IS GREATER THAN 10 0 MREM/HR BUT LESS THAN 1000 MREM/HR SHALL BE BARRICADED AND CONSPICUOUSLY POSTED AS A HIGH RADIATION AREA AND..." CONTRARY TO THE ABOVE, ON JANUARY 14, 1985 THE UNIT 1, FIVE FOOT WEST PENETRATION AREA CONTAINED A LADDER AND STAGING PROVIDING ACCESS TO A HIGH RADIATION AREA WHICH WAS NOT BARRICADED NOR CONSPICUOUSLY POSTED AS A HIGH RADIATION AREA. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT IV) APPLICABLE TO DPR 53 AND 69. 10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THE FOLLOWING: (A) FAILURE TO ISSUE SITE QUALITY ASSURANCE AUDIT REPORTS WITHIN 30 DAYS OF THE EXIT MEETING AS REQUIRED BY QAP NO. 19. (315/85007-05A; 316/85007-05A); (B) FAILURE TO STORE NUCLEAR SAFETY AND DESIGN REVIEW COMMITTEE (NSDRC) RECORDS AS REQUIRED BY NSDRC PROCEDURE VI. (315/85007-05B; 316/85007-05B); (C) FAILURE TO PROCESS CONDITION REPORTS IN ACCORDANCE WITH PLANT MANAGER INSTRUCTION NO. 7030. (315/85007-05C; 316/85007-05C); (D) FAILURE TO ISSUE THE ANNUAL TRENDING AND EVALUATION REPORT ON CONDITION REPORTS AS REQUIRED BY PROCEDURE PMP-7030, RPT. 003. 10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE (QA) PROGRAM, REQUIRES THAT MEASURES BE ESTABLISHED TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THE FOLLOWING: (A) FAILURE TO ISSUE ACTION REQUESTS WHERE PREVENTATIVE OR CORRECTIVE ACTION WAS NECESSARY. (315/85007-04A; 316/85007-04A); (B) FAILURE OF THE QA ORGANIZATION TO PERFORM TIMELY FOLLOWUP OF ITEMS IN THE OPEN ITEM - INTERNAL STAFF REPORT. (315/85007-04B; 316/85007-04B); (C) FAILURE TO ENSURE THAT DEFICIENCIES IDENTIFIED DURING AUDITS ARE PROMPTLY CORRECTED. (315/85007-04C; 316/85007-04C); (D) FAILURE TO ENSURE THAT ITEMS INCLUDED IN THE ACTION ITEM TRACKING SYSTEM ARE CORRECTED AS SCHEDULED. (315/85007-04D; 316/85007-04D); (E) FAILURE TO PROVIDE AN EFFECTIVE TRENDING PROGRAM AS REQUIRED BY ANSI N18.7-1976. 10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THE FOLLOWING: (A) FAILURE TO ISSUE SITE QUALITY ASSURANCE AUDIT REPORTS WITHIN 30 DAYS OF THE EXIT MEETING AS REQUIRED BY QAP NO. 19. (315/85007-05A; 316/85007-05A); (B) FAILURE TO STORE NUCLEAR SAFETY AND DESIGN REVIEW COMMITTEE (NSDRC) RECORDS AS REQUIRED BY NSDRC PROCEDURE VI. (315/85007-05B; 316/85007-05B); (C) FAILURE TO PROCESS CONDITION REPORTS IN ACCORDANCE WITH PLANT MANAGER INSTRUCTION NO. 7030. (315/85007-05C; 316/85007-05C); (D) FAILURE TO ISSUE THE ANNUAL TRENDING AND EVALUATION REPORT ON CONDITION REPORTS AS REQUIRED BY PROCEDURE PMP-7030, RPT. 003. 10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE (QA) PROGRAM, REQUIRES THAT MEASURES BE ESTABLISHED TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THE FOLLOWING: (A) FAILURE TO ISSUE ACTION REQUESTS WHERE PREVENTATIVE OR CORRECTIVE ACTION WAS NECESSARY. (315/85007-04A; 316/85007-04A); (B) FAILURE OF THE QA ORGANIZATION TO PERFORM TIMELY FOLLOWUP OF ITEMS IN THE OPEN ITEM - INTERNAL STAFF REPORT. (315/85007-04B; 316/85007-04B); (C) FAILURE TO ENSURE THAT DEFICIENCIES IDENTIFIED DURING AUDITS ARE PROMPTLY CORRECTED. (315/85007-04C; 316/85007-04C); (D) FAILURE TO ENSURE THAT ITEMS INCLUDED IN THE ACTION ITEM TRACKING SYSTEM ARE CORRECTED AS SCHEDULED. (315/85007-04D; 316/85007-04D); (E) FAILURE TO PROVIDE AN EFFECTIVE TRENDING PROGRAM AS REQUIRED BY ANSI N18.7-1976. (8500 4)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MAY 6-9, 1985 +

INSPECTION REPORT NO: 50-325/85-13 +

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

85-011	03/30/85	04/26/85	REACTOR PROTECTION SYSTEM ACTUATION, SENSITIVITY OF THE MONITOR CIRCUITRY TO CROSS TALK.
85-017	04/16/85	05/15/85	LOSS OF PLANT EMERGENCY 4160 VAC BUS E-1, CAUSE UNDERTERMINED.
85-018	04/20/85	05/20/85	INADVERTENT PRIMARY CONTAINMENT GROUPS 3 & 6 ISOLATIONS, DUE TO TWO OPEN PWR SUPPLY CIRCUIT BRKRS AND BLOWN ELECTR. FUSE.
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

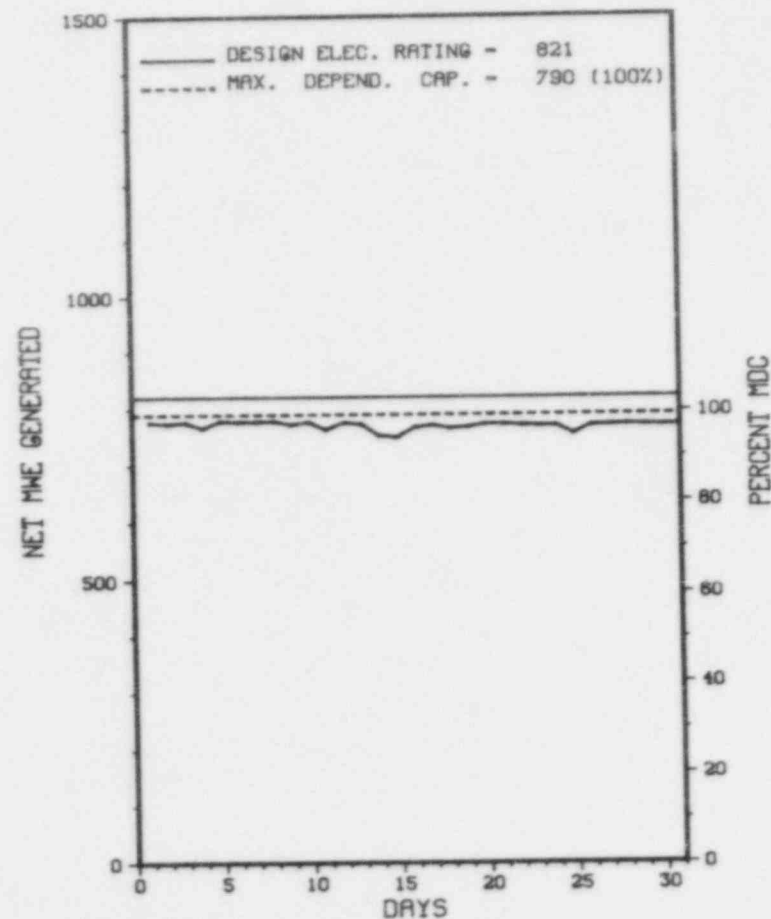
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>83,952.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,194.8</u>	<u>50,572.2</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>3,126.1</u>	<u>47,151.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,780,229</u>	<u>7,346,895</u>	<u>90,457,754</u>
18. Gross Elec Ener (MWH)	<u>591,795</u>	<u>2,453,627</u>	<u>30,055,331</u>
19. Net Elec Ener (MWH)	<u>573,235</u>	<u>2,377,569</u>	<u>28,797,843</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.3</u>	<u>56.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.3</u>	<u>56.2</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>83.1</u>	<u>43.4</u>
23. Unit Cap Factor (DER Net)	<u>93.8</u>	<u>79.9</u>	<u>41.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.3</u>	<u>17.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>211.2</u>	<u>10,359.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

 * BRUNSWICK 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

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

* SUMMARY *

BRUNSWICK 2 OPERATED ROUTINELY DURING THE MAY REPORT PERIOD.

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

* BRUNSWICK 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 20, 1975

DATE ELEC ENER 1ST GENER...APRIL 29, 1975

DATE COMMERCIAL OPERATE...NOVEMBER 3, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

LICENSING PROJ MANAGER.....M. GROTEHUIS
DOCKET NUMBER.....50-324

LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 1-31 (85-05): THIS ROUTINE SAFETY INSPECTION ENTAILED 140 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE AND ON-SITE LICENSEE EVENT REPORT REVIEW, INDEPENDENT INSPECTION AND MODIFICATION REVIEW. ONE VIOLATION WAS IDENTIFIED IN ONE AREA - "FAILURE TO FOLLOW SURVEILLANCE PROCEDURE PT 1.17PC" (PARAGRAPH 6).

INSPECTION APRIL 1-30 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION AND PLANT TRANSIENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 8-12 (85-10): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 15.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF INDEPENDENT ACCORDANCE WITH INSPECTION EFFORT, EXAMINATION OF INCONEL BUTTERED WELDS IN RECOMMENDATIONS GIVEN IN IE INFORMATION NOTICE NO. 84-41, RE-EXAMINATION OF OVERLAY WELD REPAIRS MADE PRIOR TO OCTOBER 1984, AND RE-INSPECTION OF WELD NUMBER 1-B32-RECIRC-28"-B- 12. (THIS WELD CONTAINED AN INTEGRANULAR STRESS CORROSION CRACK INDICATION, BUT WAS NOT REPAIRED.) NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-9 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF IMPLEMENTATION OF THE PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM AT SHEARON HARRIS NUCLEAR POWER PLANT AND QUALITY ASSURANCE AT THE HARRIS ENERGY AND ENVIRONMENTAL CENTER'S (HEEC) RADIOLOGICAL ENVIRONMENTAL LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

X BRUNSWICK 2 X

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MAY 6-9, 1985 +

INSPECTION REPORT NO: 50-325/85-13 +

REPORTS FROM LICENSEE

```
=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
85-003    03/10/85   04/09/85   UNEXPECTED UNIT 2 PRIMARY CONTAINMENT GROUP 1 ISOLATION. PT-45.1.6-2 & PT-45.1.6-1 HAVE BEEN
          REVISD.
85-007    04/09/85   05/02/85   PRIMARY CONTAINMENT GROUP 3 ISOLATION, ATTRIBUTED TO A WELD LEAK.
=====
```

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: CRAIG BERSAK (815) 234-5441 EXT 2341

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1175

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1129

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,185.5</u>	<u>2,185.5</u>
13. Hours Reactor Critical	<u>608.6</u>	<u>1,488.5</u>	<u>1,488.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>574.6</u>	<u>1,311.1</u>	<u>1,311.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>430,792</u>	<u>1,751,870</u>	<u>1,751,870</u>
18. Gross Elec Ener (MWH)	<u>318,640</u>	<u>509,267</u>	<u>509,267</u>
19. Net Elec Ener (MWH)	<u>282,587</u>	<u>418,927</u>	<u>418,927</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>66.1</u>	<u>297.9</u>	<u>297.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

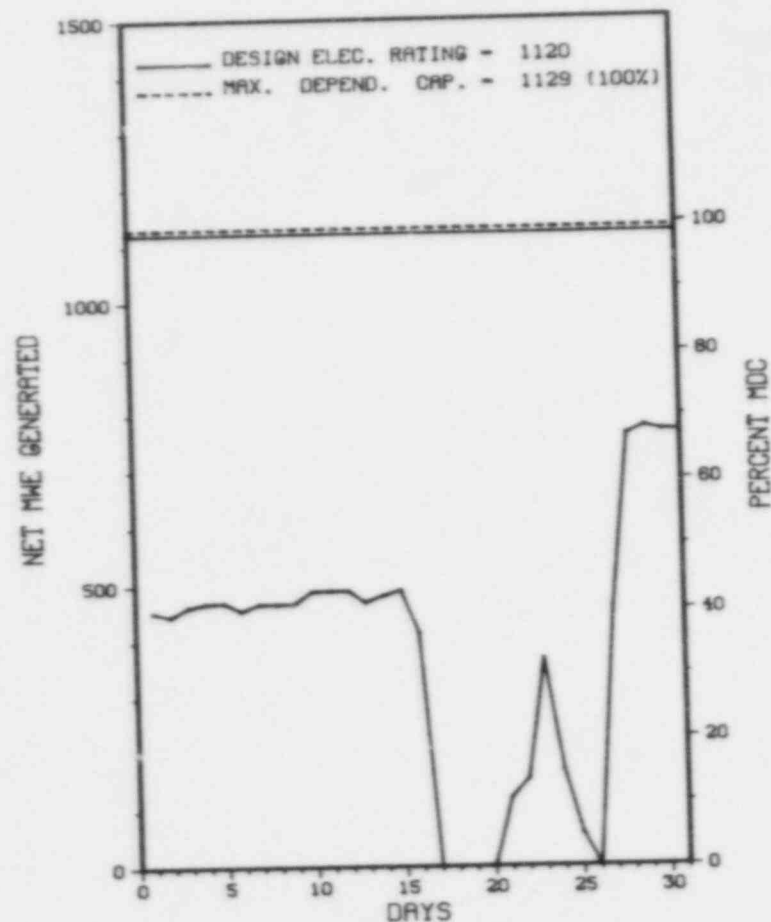
NONE

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

* BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	05/17/85	S	103.3	B	1				REPLACEMENT OF RTD'S.
15	05/22/85	F	17.6	A	3	85-052			TRIP OF THE UNIT 2 TRANSFORMER CAUSED ACTUATION OF THE UNIT 1 MAIN TRANSFORMER SUDDEN PRESSURE RELAY AND A SUBSEQUENT GENERATOR TRIP.
16	05/24/85	F	12.4	A	3	85-054			TURBINE OIL STRAINER PLUGGAGE CAUSED LOW TURBINE OIL PRESSURE AND A TURBINE TRIP.
17	05/25/85	F	36.1	A	3	85-053			"A" TRAIN FEEDWATER VALVES FAILED CLOSED AND THE UNIT TRIPPED ON LOW LOW STEAM GENERATOR 1A LEVEL.

 * SUMMARY *

BYRON 1 COMPLETED ITS 50% STARTUP TEST SEQUENCE AND IS IN ITS 75% TEST SEQUENCE.

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

 * BYRON 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 20 THROUGH APRIL 18 (85008): ROUTINE, ANNOUNCED INSPECTION TO REVIEW LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; STARTUP TEST PROCEDURE REVIEW; STARTUP TEST RESULTS EVALUATION; STARTUP TEST RESULTS VERIFICATION; AND STARTUP TEST WITNESSING. THE INSPECTION INVOLVED 63 INSPECTOR-HOURS ONSITE AND 175 INSPECTOR-HOURS IN OFFICE BY THREE INSPECTORS INCLUDING 6 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE FIVE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FOUR AREAS (FAILURE TO ADEQUATELY PERFORM, DOCUMENT AND EVALUATE TESTING TO ENSURE THAT TEST REQUIREMENTS HAVE BEEN SATISFIED; FAILURE TO ADEQUATELY CONTROL CHANGES TO TEST PROCEDURES.

INSPECTION ON MARCH 1 APRIL 15 (85006): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, SER ITEMS; IE INFORMATION NOTICES, PART 21 REPORTS; 50.55(e) REPORTS; ITEMS FOR WHICH FOLLOWUP WAS REQUESTED BY REGION III; SYSTEM FLUSHING ACTIVITIES; CONTROL OF REBAR CUTTING; HOUSEKEEPING/CARE AND PRESERVATION OF SAFETY-RELATED COMPONENTS AND ALLEGATIONS. A MEETING WITH LOCAL PUBLIC OFFICIAL WAS HELD ON MARCH 27, 1985, TO DISCUSS THE NRC'S INSPECTION PROGRAM AND THE STATUS OF BYRON, UNIT 2. THE INSPECTION CONSISTED OF 154 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 17 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE 10 AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA.

INSPECTION ON APRIL 2 - MAY 1 (85016): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND A REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, 10 CFR PART 21 REPORTS; LERS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; EVENT FOLLOWUP; STARTUP TEST WITNESSING AND OBSERVATION; RESPONSE TO REGIONAL REQUESTS; AND MANAGEMENT MEETINGS. THE INSPECTION

Report Period MAY 1985

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

* BYRON 1 *

INSPECTION SUMMARY

CONSISTED OF 194 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE 10 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 9 AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW TECHNICAL SPECIFICATION ACTION REQUIREMENTS; FAILURE TO PERFORM TECHNICAL SPECIFICATION SURVEILLANCES WHEN REQUIRED).

INSPECTION ON APRIL 30, MAY 1-2, AND MAY 6-9 (85019): UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, QA PROGRAM FOR STARTUP TESTING, (UNIT 1) DESIGN CHANGES AND MODIFICATIONS, AND QA PROGRAM FOR PREOPERATIONAL TESTING (UNIT 2). THE INSPECTION INVOLVED A TOTAL OF 70 INSPECTOR-HOURS ONSITE. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE OTHER AREA (FAILURE TO PROVIDE ADEQUATE CONTROL OF CHANGES TO DESIGN DOCUMENTS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

START-UP TESTING

LAST IE SITE INSPECTION DATE: JUNE 4 - JULY 7, 1985

INSPECTION REPORT NO: 85025

Report Period MAY 1985

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

N BYRON 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-20	02/15/85	03/15/85	SPURIOUS SAFETY INJECTION STEAMLINE LOW PRESSURE SI/RX TRIP
85-25	02/27/85	03/19/85	
85-34	03/18/85	04/01/85	MANUAL SAFETY INJECTION
85-35	03/14/85	04/12/85	LOW STEAMLINE PRESSURE SAFETY INJECTION
85-41	04/12/85	05/01/85	CONTROL ROOM VENTILATION ACTUATED TO THE MAKEUP MODE
85-45	04/18/85	05/03/85	REACTOR COOLANT SAMPLE AFTER POWER CHANGE PERFORMED LATE
85-46	04/21/85	05/03/85	REACTOR TRIP ON LO-LO STEAM GENERATOR LEVEL
85-47	04/17/85	05/08/85	EXCESSIVE UNIDENTIFIED RCS LEAKAGE
85-48	04/24/85	05/17/85	AUTO START OF QA VC M/U FAN
85-49	04/24/85	05/20/85	AUTO START OF QA VC M/U FAN

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1. Docket: 50-483 OPERATING STATUS

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: ROB GOODENOW (314) 676-8460

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1236

6. Design Electrical Rating (Net MWe): 1171

7. Maximum Dependable Capacity (Gross MWe): 1174

8. Maximum Dependable Capacity (Net MWe): 1120

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

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

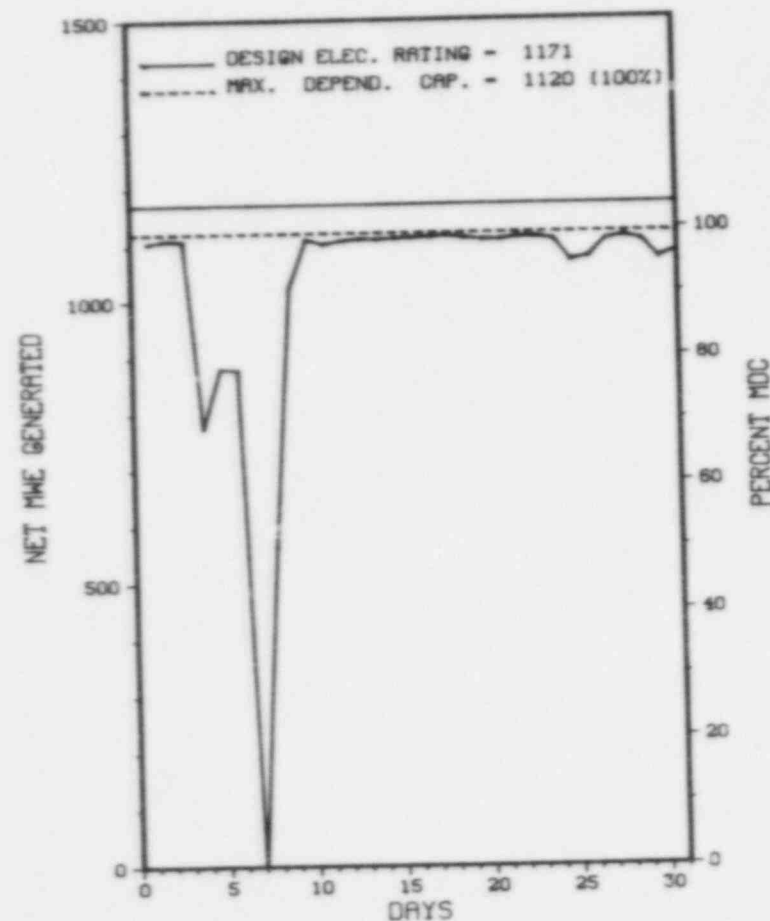
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>3,925.5</u>
13. Hours Reactor Critical	<u>728.8</u>	<u>3,241.1</u>	<u>3,543.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>721.0</u>	<u>3,168.7</u>	<u>3,471.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,351,261</u>	<u>9,744,671</u>	<u>10,746,196</u>
18. Gross Elec Ener (MWH)	<u>800,389</u>	<u>3,301,714</u>	<u>3,640,894</u>
19. Net Elec Ener (MWH)	<u>761,513</u>	<u>3,130,335</u>	<u>3,453,358</u>
20. Unit Service Factor	<u>96.9</u>	<u>87.5</u>	<u>88.4</u>
21. Unit Avail Factor	<u>96.9</u>	<u>87.5</u>	<u>88.4</u>
22. Unit Cap Factor (MDC Net)	<u>91.4</u>	<u>77.1</u>	<u>78.5</u>
23. Unit Cap Factor (DER Net)	<u>87.4</u>	<u>73.8</u>	<u>75.1</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>4.7</u>	<u>4.4</u>
25. Forced Outage Hours	<u>23.0</u>	<u>158.0</u>	<u>158.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * CALLAWAY 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8	05/03/85	S	0.0	B	5			LOAD REDUCED TO 60% DUE TO MAINTENANCE ON 'B' MAIN FEED PUMP.
9	05/06/85	F	23.0	A	3			REACTOR TRIP FROM 100% POWER DUE TO LOSS OF MAIN FEEDWATER PUMP 'B'. LER'S 85-024-00 AND 85-025-00.

* SUMMARY *

CALLAWAY 1 OPERATED WITH 1 REDUCTION AND 1 OUTAGE DURING MAY.

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

Report Period MAY 1985

UTILITY & CONTRACTOR INFORMATION

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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

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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

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REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....B. LITTLE
LICENSING PROJ MANAGER.....T. ALEXION
DOCKET NUMBER.....50-483
LICENSE & DATE ISSUANCE...NPF-30, OCTOBER 18, 1984
PUBLIC DOCUMENT ROOM.....FULTON CITY LIBRARY
709 MARKET STREET
FULTON, MD 65251

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 4 THROUGH APRIL 5 (85004): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; RADIAL PEAKING FACTOR REPORT; STARTUP TEST RESULTS PACKAGE REVIEWS; CORE THERMAL POWER CALCULATIONS (CALORIMETRIC); AND NORMAL OPERATING PROCEDURES. THE INSPECTION INVOLVED A TOTAL OF 42 INSPECTOR-HOURS ONSITE AND 91 HOUR OFFSITE BY ONE NRC INSPECTOR, INCLUDING 19 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF STARTUP TEST RESULTS (FAILURE TO PROPERLY EVALUATE TEST RESULTS).

INSPECTION ON APRIL 22-26 (85007): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REFUELING CAVITY WATER SEALS; AND PUMP AND VALVE INSERVICE TEST PROGRAM IMPLEMENTATION. THE INSPECTION INVOLVED A TOTAL OF 35 INSPECTOR-HOURS ONSITE AND 18 INSPECTOR-HOURS OFFSITE, INCLUDING 4 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE THREE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 19 (85008): REVIEW OF THE LICENSEE'S EVALUATION OF AND CORRECTIVE MEASURES TAKEN FOR THE FEEDWATER SMALL BORE PIPING FAILURE CAUSED BY JAMMED SLIDING SUPPORTS. THE INSPECTION INVOLVED A TOTAL OF 4 INSPECTOR-HOURS AT RIII OFFICE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 29-MAY 3 (85009): ROUTINE, ANNOUNCED INSPECTION OF RADIOLOGICAL ENVIRONMENTAL PROTECTION INCLUDING PROGRAM MANAGEMENT, QUALITY CONTROL AND IMPLEMENTATION; AND CONFIRMATORY MEASUREMENTS INCLUDING SAMPLING, LABORATORY QUALITY CONTROL AND COMPARISON OF LICENSEE ANALYSES WITH THOSE PERFORMED IN THE REGION III MOBILE LABORATORY. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

INSPECTION ON APRIL 29 THROUGH MAY 3 (85010): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTATION PROCEDURES; MANAGEMENT EFFECTIVENESS; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; COMPENSATORY MEASURES; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND SAFEGUARD CONTINGENCY PLAN IMPLEMENTATION REVIEW. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS BY TWO NRC INSPECTORS. THE INSPECTION WAS BEGUN DURING THE DAYSHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTIONS. THREE ITEMS OF CONCERN WERE IDENTIFIED. THE LICENSEE'S STAFF AGREED TO TAKE THE NECESSARY ACTION TO IMPLEMENT AND/OR CORRECT THE CONCERNS IDENTIFIED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MARCH 20 - JUNE 7, 1985

INSPECTION REPORT NO: 85015

Report Period MAY 1985

REPORTS FROM LICENSEE

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*****  
*          CALLAWAY 1          *  
*****
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-20	02/08/85	04/29/85	TECHNICAL SPECIFICATION VIOLATION
85-21	04/04/85	05/06/85	INADEQUATE SEISMIC QUALIFICATION OF CLASS IE BATTERIES
85-22	04/10/85	05/10/85	MANUAL REACTOR TRIP
85-23	04/13/85	05/13/85	INADVERTENT ENGINEERED SAFETY FEATURES ACTUATION

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

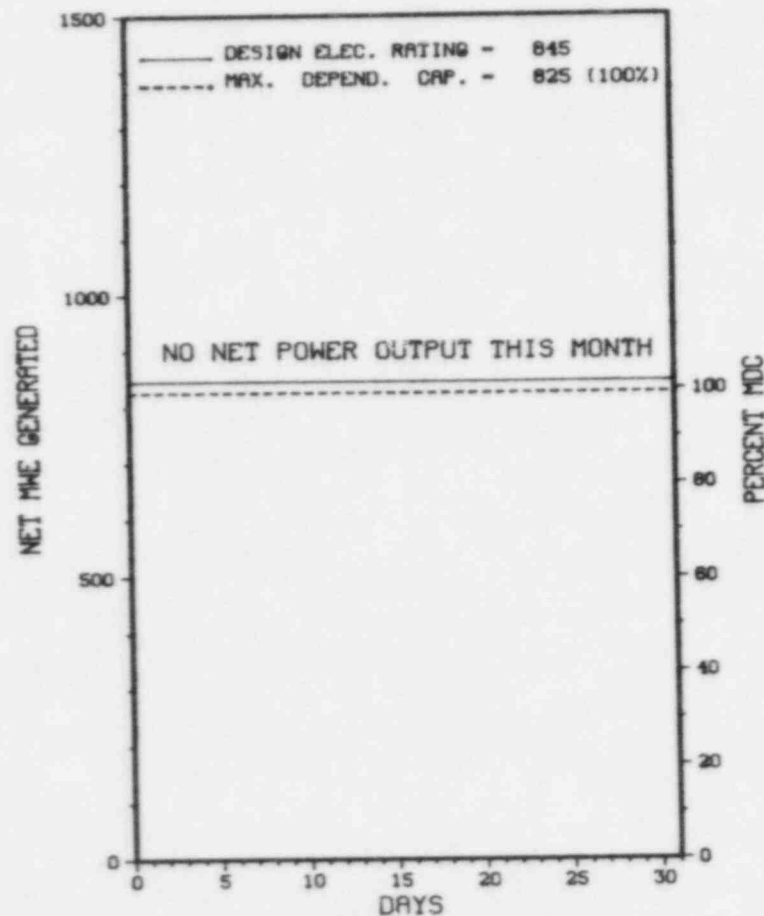
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>88,236.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,196.3</u>	<u>69,694.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>14.3</u>	<u>1,999.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,184.2</u>	<u>68,355.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>5,792,566</u>	<u>169,575,303</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,968,684</u>	<u>56,012,064</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,882,872</u>	<u>53,439,439</u>
20. Unit Service Factor	<u>.0</u>	<u>60.3</u>	<u>77.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>60.3</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>63.0</u>	<u>74.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>61.5</u>	<u>71.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.2</u>	<u>8.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>94.8</u>	<u>6,075.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 09/23/85

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-03	04/05/85	S	744.0	C	4		XX	FUELXX	REFUELING AND GENERAL INSPECTION CONTINUES.

* SUMMARY *

CALVERT CLIFFS 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

* CALVERT CLIFFS 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 7, 1974

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

DATE COMMERCIAL OPERATE...MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

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

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

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* CALVERT CLIFFS 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

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

11. Reasons for Restrictions, If Any: NONE

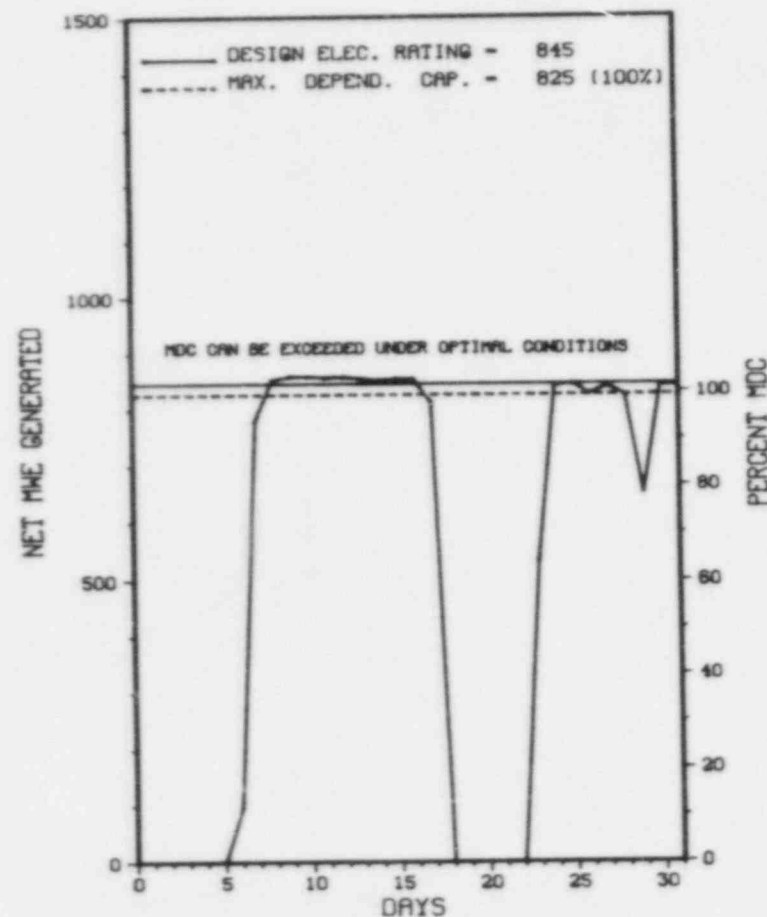
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>71,591.0</u>
13. Hours Reactor Critical	<u>508.6</u>	<u>3,254.1</u>	<u>59,812.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>968.3</u>
15. Hrs Generator On-Line	<u>493.1</u>	<u>3,238.6</u>	<u>58,857.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,257,266</u>	<u>8,572,283</u>	<u>147,293,219</u>
18. Gross Elec Ener (MWH)	<u>412,910</u>	<u>2,862,921</u>	<u>48,521,124</u>
19. Net Elec Ener (MWH)	<u>390,857</u>	<u>2,738,043</u>	<u>46,280,251</u>
20. Unit Service Factor	<u>66.3</u>	<u>89.4</u>	<u>82.2</u>
21. Unit Avail Factor	<u>66.3</u>	<u>89.4</u>	<u>82.2</u>
22. Unit Cap Factor (MDC Net)	<u>63.7</u>	<u>91.6</u>	<u>78.7*</u>
23. Unit Cap Factor (DER Net)	<u>62.2</u>	<u>89.4</u>	<u>76.5</u>
24. Unit Forced Outage Rate	<u>33.7</u>	<u>10.6</u>	<u>6.3</u>
25. Forced Outage Hours	<u>250.9</u>	<u>384.4</u>	<u>3,981.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-02	04/25/85	F	122.9	A	4		CB	PUMPXX	CONTINUATION OF SHUTDOWN TO REPLACE SHAFT SEALS ON 21A REACTOR COOLANT PUMP.
85-03	05/06/85	F	8.5	A	1		CB	PUMPXX	REACTOR TRIPPED DUE TO LOW REACTOR COOLANT FLOW WHEN THE OVER CURRENT PROTECTIVE RELAY FOR 21A REACTOR COOLANT PUMP MOTOR ACTUATED.
85-04	05/18/85	F	119.5	A	1		CB	PUMPXX	REACTOR WAS SHUTDOWN TO REPLACE PRESSURIZER SPRAY VALVE BONNET STUDS.
85-05	05/29/85	S	0.0	B	5		CB	PUMPXX	OPERATED AT VARIOUS LOADS FOR INSPECTION OF 22A RCP WHICH REVEALED A LEAKING COMPRESSION FITTING ON RCP SHAFT MIDDLE SEAL INSTRUMENT LINE.

 * SUMMARY *

CALVERT CLIFFS 2 OPERATED WITH 3 OUTAGES FOR EQUIPMENT FAILURE AND 1 REDUCTION FOR MAINTENANCE DURING MAY.

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

* CALVERT CLIFFS 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 30, 1976

DATE ELEC ENER 1ST GENER...DECEMBER 7, 1976

DATE COMMERCIAL OPERATE....APRIL 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-318

LICENSE & DATE ISSUANCE....DPR-69, NOVEMBER 30, 1976

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

INSPECTION STATUS - (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.

REPORTS FROM LICENSEE

=====

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

=====

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,623.0	91,295.0
13. Hours Reactor Critical	.0	1,868.0	67,572.1
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	.0	1,856.2	66,217.7
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	0	5,418,521	193,587,995
18. Gross Elec Ener (MWH)	0	1,761,840	63,533,730
19. Net Elec Ener (MWH)	0	1,694,853	61,125,948
20. Unit Service Factor	.0	51.2	74.2
21. Unit Avail Factor	.0	51.2	74.2
22. Unit Cap Factor (MDC Net)	.0	45.9	67.2
23. Unit Cap Factor (DER Net)	.0	45.4	64.6
24. Unit Forced Outage Rate	.0	.0	7.2
25. Forced Outage Hours	.0	.0	4,499.4
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			
NONE			
27. If Currently Shutdown Estimated Startup Date:			08/07/85

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
246	04/06/85	S	744.0	C	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 850406 FOR THE SCHEDULED TEN-YEAR ISI AND CYCLE VIII - IX REFUELING OUTAGE. THE CORE IS PRESENTLY UNLOADED AND THE CONTROL ROD GUIDE TUBE REPLACEMENT IS IN PROGRESS. ESTIMATED RETURN TO SERVICE DATE IS 850807.

 * SUMMARY *

COOK 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

* COOK 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 18, 1975
DATE ELEC ENER 1ST GENER...FEBRUARY 10, 1975
DATE COMMERCIAL OPERATE...AUGUST 27, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....B. JURGENSEN
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-315
LICENSE & DATE ISSUANCE...DPR-58, OCTOBER 25, 1974
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
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ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 4-7, 25-28, MARCH 1, 4-8, 11-15 AND 25-29 (85007): ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, QA/QC ADMINISTRATION, AUDIT PROGRAM, OFFSITE REVIEW COMMITTEE ACTIVITIES, AND CORRECTIVE ACTION. THE INSPECTION INVOLVED A TOTAL OF 106 INSPECTOR-HOURS ONSITE AND 93 INSPECTOR-HOURS AT THE CORPORATE HEADQUARTERS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING THREE AREAS (FAILURE TO PROVIDE TIMELY AND EFFECTIVE CORRECTIVE ACTION).

INSPECTION ON APRIL 29 - MAY 1 (85008): ROUTINE, ANNOUNCED INSPECTION OF THE DONALD C. COOK NUCLEAR PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 108 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 19 THROUGH APRIL 22 (85010): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; DESIGN CHANGES AND MODIFICATIONS; AND, INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 204 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 31 INSPECTOR-HOURS OFF-SHIFT. NO VIOLATIONS OR DEVIATION WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED.

INSPECTION ON APRIL 23 (85012): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-316 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3411

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

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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

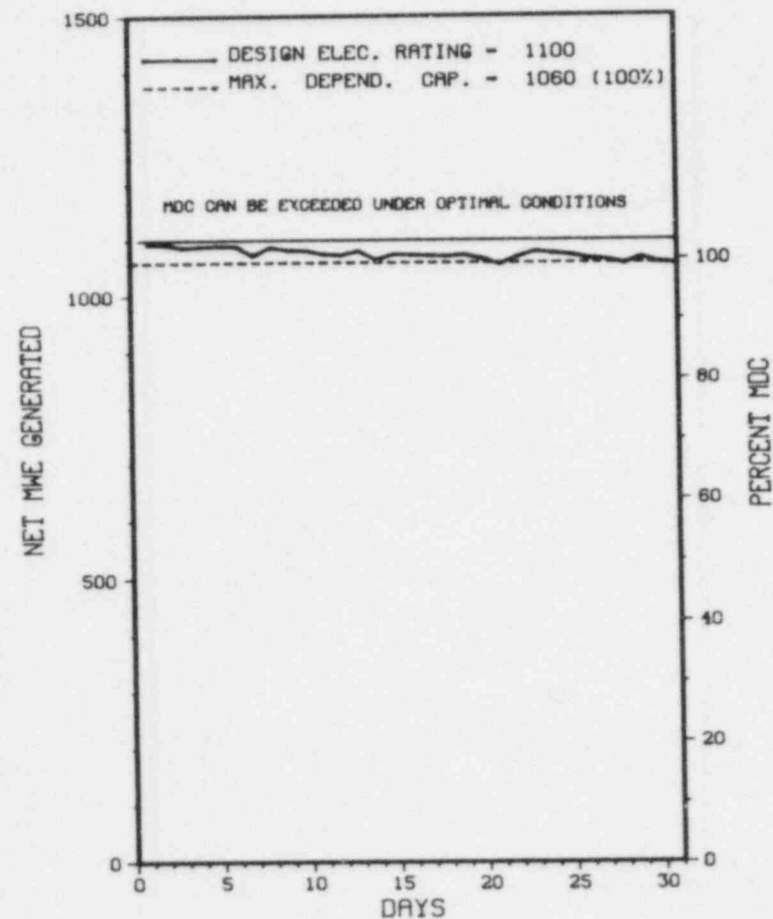
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NCNE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>64,991.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,332.0</u>	<u>46,412.0</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>3,313.5</u>	<u>45,312.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,532,441</u>	<u>11,076,044</u>	<u>146,557,951</u>
18. Gross Elec Ener (MWH)	<u>827,710</u>	<u>3,657,090</u>	<u>47,442,340</u>
19. Net Elec Ener (MWH)	<u>799,680</u>	<u>3,532,190</u>	<u>45,749,906</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.5</u>	<u>72.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.5</u>	<u>72.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>92.0</u>	<u>69.2</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>88.6</u>	<u>67.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.5</u>	<u>12.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>309.5</u>	<u>6,370.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			
<u>REFUELING OUTAGE: OCTOBER, 1985 - 3 MOS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
COOK 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* COOK 2 *

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

NONE

***** COOK 2 OPERATED AT FULL POWER DURING THE MAY REPORT PERIOD.

* SUMMARY *

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

* COOK 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI S OF
BENTON HARBOR, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 10, 1978

DATE ELEC ENER 1ST GENER...MARCH 22, 1978

DATE COMMERCIAL OPERATE...JULY 1, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216

CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....J. A. JONES CONSTRUCTION

TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. JURGENSEN

LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-316

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

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ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 4-7, 25-28, MARCH 1, 4-8, 11-15 AND 25-29 (85007): ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, QA/QC ADMINISTRATION, AUDIT PROGRAM, OFFSITE REVIEW COMMITTEE ACTIVITIES, AND CORRECTIVE ACTION. THE INSPECTION INVOLVED A TOTAL OF 106 INSPECTOR-HOURS ONSITE AND 93 INSPECTOR-HOURS AT THE CORPORATE HEADQUARTERS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING THREE AREAS (FAILURE TO PROVIDE TIMELY AND EFFECTIVE CORRECTIVE ACTION).

INSPECTION ON APRIL 29 - MAY 1 (85008): ROUTINE, ANNOUNCED INSPECTION OF THE DONALD C. COOK NUCLEAR PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 108 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 19 THROUGH APRIL 22 (85010): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; DESIGN CHANGES AND MODIFICATIONS; AND, INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 204 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 31 INSPECTOR-HOURS OFF-SHIFT. NO VIOLATIONS OR DEVIATION WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED.

INSPECTION ON APRIL 23 (85012): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OTHER ITEMS

INSPECTION REPORT NO: 85016

REPORTS FROM LICENSEE

PAGE 2-073

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. K. SALISBURY (402) 825-3811

4. Licensed Thermal Power (MWt): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any: NONE

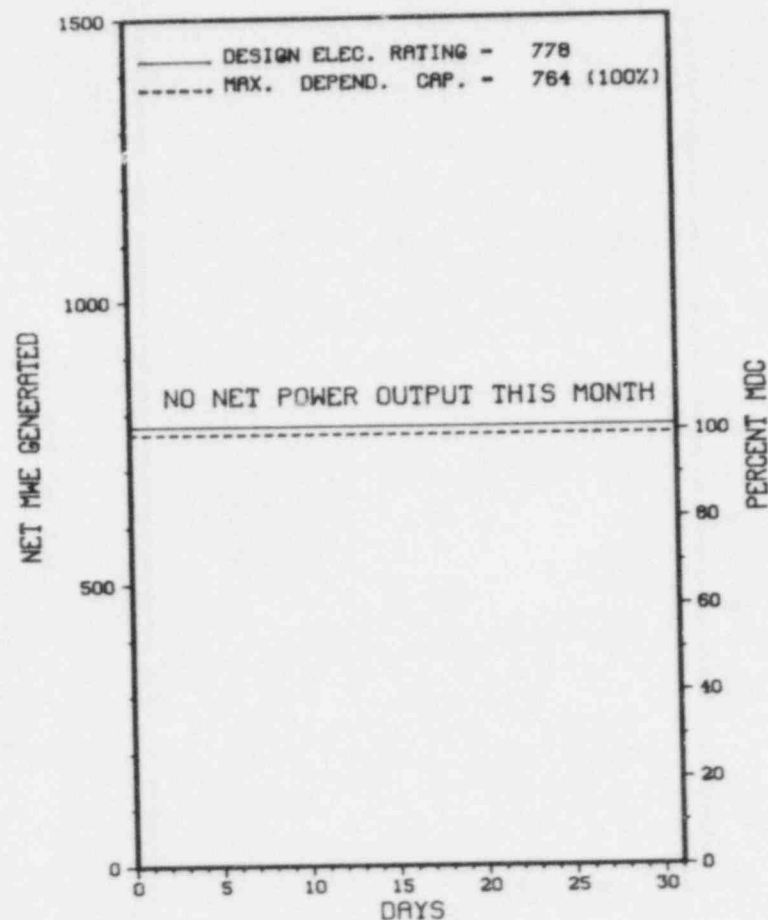
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>95,712.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>72,955.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>71,820.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>141,440,011</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>45,024,496</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>43,386,612</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>75.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>59.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>58.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,090.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 07/25/85

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-7	09/16/84	S	744.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

COOPER STATION REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE 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)

* COOPER STATION *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

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

DATE COMMERCIAL OPERATE...JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

LICENSING PROJ MANAGER.....E. SYLVESTER
DOCKET NUMBER.....50-298

LICENSE & DATE ISSUANCE...DPR-46, JANUARY 18, 1974

PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
1118 15TH STREET
AUBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 4-8, 1985 (85-09)

ROUTINE, UNANNOUNCED INSPECTION OF SELECTED PORTIONS OF THE EMERGENCY PREPAREDNESS PROGRAM.

NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 11-22, 1985 (85-12)

A SPECIAL, ANNOUNCED INSPECTION UTILIZING THE NRC MOBILE NDE VAN TO PERFORM NONDESTRUCTIVE EXAMINATION OF REPLACEMENT PIPE ON REACTOR RECIRCULATION SYSTEM.

ONE VIOLATION WAS IDENTIFIED (FAILURE TO IDENTIFY AND DISPOSITION A LINEAR INDICATION IN AN ASME III CODE, CLASS I WELD.)

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR PART 50, APPENDIX B, CRITERION V, AND LICENSEE PROCEDURE 0.9, SYSTEMS INDEPENDENT VERIFICATIONS DO NOT ADDRESS SWITCHES, BREAKERS, AND OTHER COMPONENTS BEING RETURNED TO SERVICE

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* COOPER STATION *

ENFORCEMENT SUMMARY

(8500 5)

CONTRARY TO 10 CFR PART, 50 APPENDIX B, CRITERION V, THE LICENSEE FAILED TO HAVE PROCEDURES FOR MAINTENANCE OF SAFETY-RELATED EQUIPMENT. CONTRARY TO CNS TECHNICAL SPECIFICATION, SECTIONS 6.3.2 AND 6.3.3, THE LICENSEE FAILED TO FOLLOW PROCEDURES.

(8501 4)

CONTRARY TO CRITERION V OF APPENDIX B TO 10 CFR PART 50 AND PARAGRAPH 8.5.2 IN SECTION 8 OF DIVISION 4 OF THE CHICAGO BRIDGE AND IRON NUCLEAR QUALITY ASSURANCE MANUAL, WELDERS EMPLOYED BY WELDING SERVICES, INC. WERE NOT INSTRUCTED BY WELDING TECHNICIANS IN THE IMPLEMENTATION OF WELDING PROCEDURES PRIOR TO THEIR PERFORMING PRODUCTION WELDING. CONTRARY TO 10 CFR PART 50.59, A SAFETY QUESTION DETERMINATION WAS NOT PERFORMED AND DOCUMENTED FOR INSTALLED TEMPORARY JUMPERS. CONTRARY TO 10 CFR PART 50, APPENDIX B, CRITERION V, FOUR SUPERCEDED PROCEDURES WERE FOUND IN THE CONTROL ROOM WORKING FILES.

(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR BWR RECIRCULATION SYSTEM PIPING REPLACEMENT

LAST IE SITE INSPECTION DATE: MARCH 11-22, 1985

INSPECTION REPORT NO: 50-298/85-12

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-002	3/26/85	4/25/85	STANDBY GAS TREATMENT SYSTEM DESIGN DEFICIENCIES.

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

2. Reporting Period: 05/01/85 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>3,623.0</u>	<u>72,047.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,608.3</u>	<u>47,524.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,606.5</u>	<u>46,524.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,924,173</u>	<u>104,586,058</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,014,639</u>	<u>35,741,438</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>954,730</u>	<u>33,950,741</u>
20. Unit Service Factor	<u>.0</u>	<u>44.3</u>	<u>64.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>44.3</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>32.1</u>	<u>57.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>31.9</u>	<u>57.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>20.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,689.2</u>

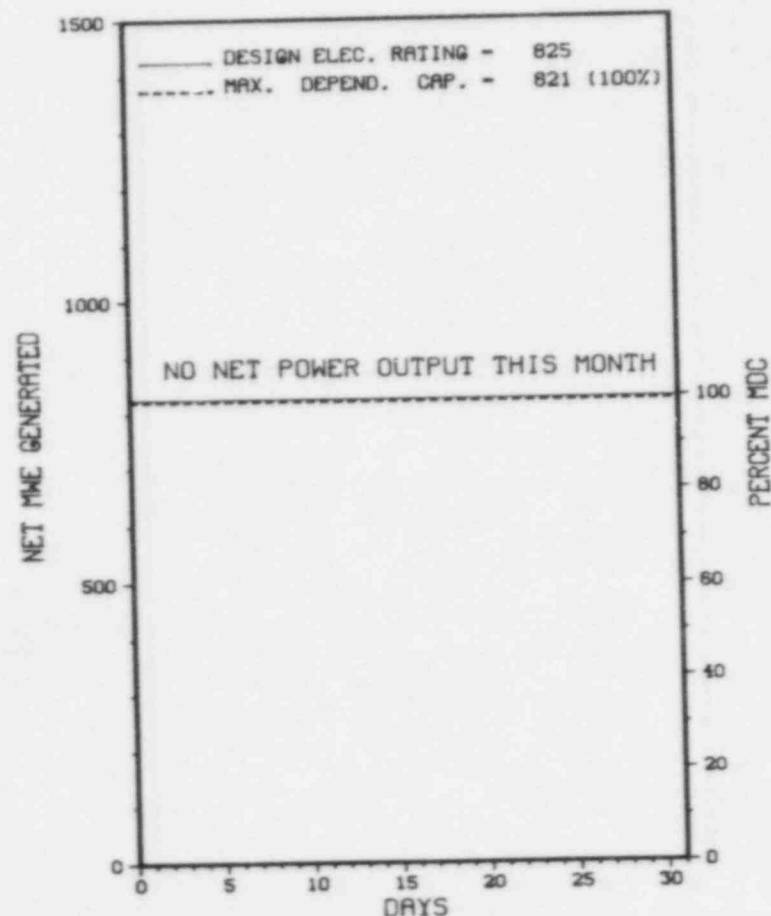
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

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

 * CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-06	03/08/85	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

CRYSTAL RIVER 3 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE 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)

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER.....H. SILVER
DOCKET NUMBER.....50-302
LICENSE & DATE ISSUANCE...DPR-72, JANUARY 28, 1977
PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32639

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 25-19 (85-12): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 67 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS, INTERNAL EXPOSURE CONTROL, SURVEYS, MONITORING AND CONTROL OF RADIOACTIVE MATERIAL, POSTING OF DOCUMENTS, NOTICES AND FORMS, FOLLOW-UP ON LICENSEE PERSONNEL CONCERNS, AND INSPECTOR FOLLOW-UP ITEMS. THREE VIOLATIONS - (1) INADEQUATE PERSONAL FRISKING PRACTICES (2) FAILURE TO PROPERLY LABEL RADIOACTIVE MATERIAL (3) FAILURE TO HAVE 10 CFR 19.11 DOCUMENTS CONSPICUOUSLY POSTED.

INSPECTION MARCH 25-29 (85-15): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 96 INSPECTOR-HOURS ON SITE AND AT FPC CORPORATE OFFICES IN THE AREAS OF QA PROGRAM REVIEW, AUDITS, AND OFFSITE SUPPORT STAFF. FOUR VIOLATIONS WERE IDENTIFIED - FAILURE TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY WERE PROMPTLY CORRECTED, FAILURE TO ESCALATE AN AUDIT FINDING TO AN NRC, FAILURE TO PERFORM TECHNICAL SPECIFICATION (TS) AUDITS AND CRITERION II REVIEWS WITHIN REQUIRED INTERVALS, AND FAILURE TO PROPERLY STORE RECORDS.

INSPECTION APRIL 8-12 (85-18): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 90 INSPECTOR-HOURS ONSITE AND 4 INSPECTOR-HOURS OFFSITE IN THE AREA OF EMERGENCY PREPAREDNESS. ONE VIOLATION WAS IDENTIFIED - INADEQUATE EMERGENCY OPERATING PROCEDURE FOR SEISMIC EVENTS.

INSPECTION MARCH 29 - APRIL 25 (85-19): THIS ROUTINE, INSPECTION INVOLVED 108 INSPECTOR-HOURS ON SITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, REFUELING ACTIVITIES, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. TWO VIOLATIONS WERE IDENTIFIED (FAILURE

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* CRYSTAL RIVER 3 *

INSPECTION SUMMARY

TO HAVE AN ADEQUATE CORRECTIVE ACTION SYSTEM, PARAGRAPH 3; AND FAILURE TO FOLLOW REFUELING PROCEDURES, PARAGRAPH 7).

INSPECTION APRIL 8-12 (85-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 68 INSPECTOR-HOURS ON SITE IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM, CONTROL OF HEAVY LOAD, EMERGENCY DIESEL GENERATOR SURVEILLANCE/MAINTENANCE PROCEDURES, LICENSEE IDENTIFIED ITEMS (LER), AND PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - INADEQUATE QUALITY ASSURANCE RECORDS DOCUMENTING VISUAL INSPECTION OF SAFETY-RELATED SNUBBERS - PARAGRAPH 6.C.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION II, AND THE LICENSEE'S QA PROGRAM, MEASURES HAVE NOT BEEN ESTABLISHED TO ENSURE THAT ACTIVITIES AFFECTING QUALITY ARE CONDUCTED IN SUITABLE ENVIRONMENTAL CONDITIONS. IN THE MEASURING AND TEST EQUIPMENT CALIBRATION LAB, ENVIRONMENTAL CONDITIONS ARE NOT MONITORED, NOR HAVE SPECIFIC REQUIREMENTS BEEN ESTABLISHED.

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVI, AND THE LICENSEE'S QA PROGRAM, MEASURES HAVE NOT BEEN ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. THE PROGRAM DOES NOT ENSURE THAT M&TE OUT-OF-TOLERANCE REPORTS SENT TO CONTRACTORS ARE COMPLETED IN A TIMELY MANNER. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVI AND THE LICENSEE QA PROGRAM (FSAR SECTION 1.7.1.16) MEASURES HAVE NOT BEEN ESTABLISHED TO CLEARLY DELINEATE APPROPRIATE CRITERIA FOR ELEVATING UNRESOLVED QA AUDIT FINDINGS TO HIGHER MANAGEMENT FOR RESOLUTION.

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, THE LICENSEE QA PROGRAM (FSAR SECTION 1.7.1.5) AND QAP 8, QUALITY PROGRAM AUDITS, REVISION 9 SECTION 6.6.2.1, A NONCONFORMANCE WAS NOT WRITTEN BY THE SUPERVISOR, QUALITY AUDITS, WITHIN 30 DAYS AFTER A DISAGREEMENT WAS IDENTIFIED BETWEEN THE AUDITED AND AUDITING ORGANIZATIONS. 10CFR 50, APPENDIX B, CRITERION V AND FSAR SECTION 1.7.1.5 REQUIRE THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS. THE PIPE SUPPORT DRAWING AND MODIFICATION DRAWING PROVIDE INSTALLATION DIMENSIONS FOR PIECE "H" OF PIPE SUPPORT MUH 556. THE "PIPING HANGER-FINAL INSPECTION" REQUIREMENTS PROVIDED ON INSPECTION PLAN NUMBER WR-60571 FOR PIPE SUPPORT MUH 556 REQUIRED QC VERIFICATION THAT "THE OVERALL CONFIGURATION AND SIZING OF THE COMPLETED HANGER ASSEMBLY ON MODIFICATION CONFORMS TO THE APPLICABLE APPROVED ENGINEERING DRAWING." CONTRARY TO THE ABOVE, COMPLETED, INSTALLED, MODIFIED, INSPECTED AND QC ACCEPTED PIPE SUPPORT MUH 556 PIECE "H" INSTALLATION DIMENSIONS DID NOT "CONFORM" WITH THE APPLICABLE APPROVED ENGINEERING DRAWINGS. IN ADDITION, UNAUTHORIZED LOADS (SCAFFOLDING) WAS BEING PARTIALLY SUPPORTED BY THE PIPE SUPPORT. NO PROCEDURE OR INSTRUCTIONS WERE AVAILABLE AUTHORIZING OR PROHIBITING INSTALLATION OF SCAFFOLDING/STAGING ON PERMANENT PLANT EQUIPMENT. CONTRARY TO 10CFR, PART 50, APPENDIX B, CRITERION XVI, WHICH REQUIRES AN ADEQUATE CORRECTIVE ACTION PROGRAM TO ENSURE THAT NONCONFORMANCES ARE CORRECTED, THE CORRECTIVE ACTION PROGRAM WAS NOT ADEQUATE IN THAT A NONCONFORMANCE INVOLVING DISCREPANCIES IN THE ANNUNCIATOR RESPONSE PROCEDURES WAS DOCUMENTED AS COMPLETE BUT WAS NOT ADEQUATELY CORRECTED. CONTRARY TO T.S. 6.8.1.B, WHICH REQUIRES THE USE OF AND ADHERENCE TO REFUELING PROCEDURES DURING THE PERIOD APRIL 8 - APRIL 24, 1985, THE SPENT FUEL HANDLING BRIDGE WAS STARTED, SHUTDOWN AND TESTED WITHOUT THE COMPARABLE VERIFICATIONS AND DOCUMENTATION REQUIRED BY REFUELING PROCEDURES FP-601. (8501 4)

CONTRARY TO T.S. 6.8.1, PROCEDURE AI-401 WAS FOUND TO BE NOT PROPERLY ESTABLISHED AND IMPLEMENTED IN THAT THE PROCEDURE REVIEW AND APPROVAL PROCESS PERMITS A PROCEDURE TO BE IMPLEMENTED WITHOUT THE APPROPRIATE INTERDISCIPLINARY REVIEWS REQUIRED BY T.S. 6.8.2. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION VXIII, THE ACCEPTED QA PROGRAM, AND T.S. 6.5.2.9, AUDITS AND REVIEWS WERE NOT PERFORMED AT REQUIRED FREQUENCIES.

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION XVII, THE LICENSEE QA PROGRAM (FSAR SECTION 1.7.1.17), REGULATORY GUIDE 1.88, AND NFPA 252-1975, RECORD STORAGE FACILITIES IN THE QUALITY PROGRAMS DEPARTMENT DO NOT MEET ANSI N45.2.9 REQUIREMENTS AND HAVE NOT BEEN EVALUATED TO MEET NFPA-232 1975 REQUIREMENTS.

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THE ESTABLISHMENT AND IMPLEMENTATION OF THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX A TO REGULATORY GUIDE 1.33, NOVEMBER 1972. SECTION F OF APPENDIX A TO REGULATORY GUIDE 1.33 RECOMMENDS "PROCEDURES FOR COMBATING

Report Period MAY 1985

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

* CRYSTAL RIVER 3 *

ENFORCEMENT SUMMARY

EMERGENCIES AND OTHER SIGNIFICANT EVENTS," AMONG WHICH ARE LISTED "ACTS OF NATURE," INCLUDING EARTHQUAKES. CONTRARY TO THE ABOVE, THE LICENSEE HAD ESTABLISHED AND IMPLEMENTED A PROCEDURE (AP-961) FOR EMERGENCY ACTIONS DURING EARTHQUAKES WHICH WAS INADEQUATE IN THAT IT COULD NOT BE USED IN A TIMELY MANNER TO DETERMINE IF THE REACTOR SHOULD BE SHUT DOWN IN THE EVENT OF AN EARTHQUAKE.
(8501 5)

CONTRARY TO REQUIREMENTS OF CRITERION 17 OF 10CFR 50, APPENDIX B, RECORDS DOCUMENTING VISUAL INSPECTIONS OF 60 ACCESSIBLE SNUBBERS WERE NOT SUFFICIENT IN THAT THE RECORDS DID NOT IDENTIFY THE INSPECTOR/DATA RECORDER AND THE DATES OF THE INSPECTION.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

20 WEEK REFUELING OUTAGE AS OF 3/9/85.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: APRIL 25, 1985 +

INSPECTION REPORT NO: 50-302/85-19 +

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-003    04/03/85    05/06/85    FAILURE TO FULLY INSPECT STEAM GENERATOR TUBES, A PROPOSED CHANGE TO THE T.S. HAS BEEN
                               SUBMITTED.
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1. Docket: 50-346 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: BILAL SARSOOR (419) 259-5000 X384

4. Licensed Thermal Power (MWt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 904

8. Maximum Dependable Capacity (Net MWe): 860

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

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

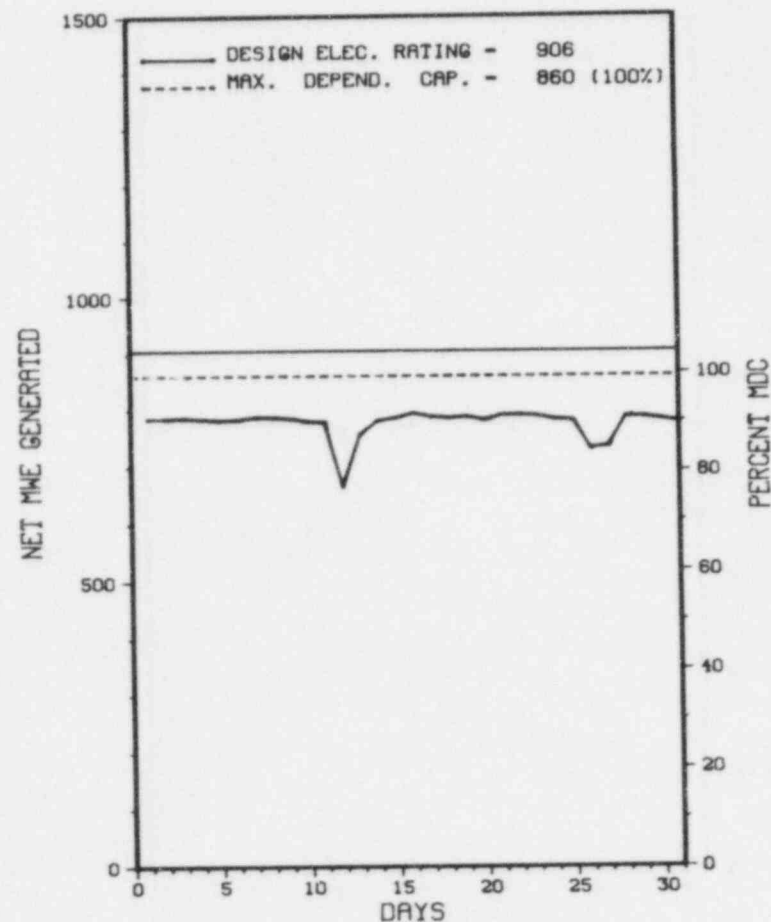
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>59,928.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,697.8</u>	<u>35,729.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,014.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,590.0</u>	<u>34,231.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>1,836,172</u>	<u>6,032,759</u>	<u>81,018,181</u>
18. Gross Elec Ener (MWH)	<u>610,042</u>	<u>1,996,696</u>	<u>26,843,040</u>
19. Net Elec Ener (MWH)	<u>577,434</u>	<u>1,861,502</u>	<u>25,151,758</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.5</u>	<u>57.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.5</u>	<u>60.0</u>
22. Unit Cap Factor (MDC Net)	<u>90.2</u>	<u>59.4</u>	<u>48.8</u>
23. Unit Cap Factor (DER Net)	<u>85.7</u>	<u>56.7</u>	<u>46.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>16.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>33.8</u>	<u>7,295.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

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

***** DAVIS-BESSE 1 OPERATED ROUTINELY DURING THE MAY REPORT PERIOD.

* SUMMARY *

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

Report Period MAY 1985

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....W. ROGERS
LICENSING PROJ MANAGER.....A. 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 4-8, 18-22, APRIL 1-12, 15-19, 22-26 (85007): ANNOUNCED INSPECTION BY TWO REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, AUDIT PROGRAM, QA/QC ADMINISTRATION, PROCUREMENT, DESIGN CHANGES, ON-SITE AND OFF-SITE REVIEW ACTIVITIES, RECORDS, MATERIAL CONTROL, AND OFF-SITE SUPPORT STAFF. THE INSPECTION INVOLVED A TOTAL OF 344 INSPECTOR-HOURS, INCLUDING 299 INSPECTOR-HOURS ONSITE, 6 INSPECTOR-HOURS AT THE CORPORATE OFFICES, AND 39 INSPECTOR-HOURS IN THE REGION III OFFICE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 12 THROUGH APRIL 8 (85010): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, LICENSEE EVENT REPORTS, MANAGEMENT MEETINGS, FOLLOWUP ON OPERATIONAL EVENTS, TMI ACTION ITEMS, AND ACTION ON REGIONAL REQUESTS. THE INSPECTION INVOLVED 214 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 89 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS, AND TWO INSPECTOR-HOURS IN THE REGIONAL OFFICE BY ONE NRC INSPECTOR. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN SEVEN AREAS, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF LICENSEE EVENT REPORTS (FAILURE TO MEET AN ACTION STATEMENT OF A LIMITING CONDITION FOR OPERATION) AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF TMI ACTION ITEMS (FAILURE TO IMPLEMENT THE REQUIRED SHIFT TECHNICAL ADVISOR REQUALIFICATION TRAINING PROGRAM).

INSPECTION ON APRIL 8-12 (85011): ROUTINE, UNANNOUNCED INSPECTION ON THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM;
 LICENSEE ACTIONS IN RESPONSE TO THE SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) EVALUATION OF THIS FUNCTIONAL AREA;
 LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING;

Report Period MAY 1985

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

* DAVIS-BESSE 1 *

INSPECTION SUMMARY

NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); DOSE CALCULATION AND ASSESSMENT; AND MAINTAINING EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 180 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 26-29, APRIL 8-12, AND APRIL 22-25 (85012): SPECIAL, ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON A PREVIOUS INSPECTION FINDING AND AN INDEPTH REVIEW AND EVALUATION OF THE MAINTENANCE PROGRAM IMPLEMENTATION. THE INSPECTION INVOLVED A TOTAL OF 103 INSPECTOR-HOURS ONSITE. OF THE TWO AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURES).

INSPECTION ON APRIL 29 TO MAY 2, 1985 (85014): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LIGHTING; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, VEHICLES AND PACKAGES; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMMUNICATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; TRAINING AND QUALIFICATIONS AND CONTINGENCY PLAN. THE INSPECTORS REVIEWED THE LICENSEE'S ACTIONS/PERFORMANCE RELATING TO SEVERAL WEAKNESSES/CONCERNS IN THE ABOVE AREAS WHICH WERE IDENTIFIED AS A RESULT OF A REGION III ANALYSIS OF PREVIOUS INSPECTION FINDINGS, 10 CFR 73.71 SECURITY EVENT REPORTS, AND THE PREVIOUS SALP REPORT. THE INSPECTION INVOLVED 81 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; NINE INSPECTOR-HOURS WERE ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION, EXCEPT AS NOTED BELOW: PHYSICAL BARRIER - VITAL AREA: ONE VITAL AREA PORTAL WAS INADEQUATELY LOCKED.

ENFORCEMENT SUMMARY

10 CFR 55, APPENDIX A - REQUALIFICATION PROGRAM FOR LICENSED OPERATORS OF PRODUCTION AND UTILIZATION FACILITIES, PARAGRAPH 5.A, STATES, IN PART, "RECORDS SHALL CONTAIN...RESULTS OF EVALUATIONS AND DOCUMENTATION OF ANY ADDITIONAL TRAINING ADMINISTERED IN AREAS IN WHICH AN OPERATOR OR SENIOR OPERATOR HAS EXHIBITED DEFICIENCIES." DAVIS-BESSE TECHNICAL SPECIFICATIONS, SECTION 6.4, TRAINING, STATES, IN PART, "A RETRAINING...PROGRAM FOR THE FACILITY STAFF SHALL BE MAINTAINED... AND SHALL MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF APPENDIX "A" OF 10 CFR 55." CONTRARY TO THE ABOVE, THE RECORDS OF THE SUMMER 1983 EXAMS FOR OPERATORS AND SENIOR OPERATORS DID NOT CONTAIN AN EVALUATION OF THE EXAM RESULTS AND DOCUMENTATION OF ADDITIONAL TRAINING IN AREAS CONTAINING DEFICIENCIES. DAVIS-BESSE TECHNICAL SPECIFICATION 4.0.5 REQUIRES THAT AN INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES BE ESTABLISHED AND CONDUCTED PER THE REQUIREMENTS OF THE APPROPRIATE EDITION OF SECTION XI OF THE ASME CODE. ASME CODE SUBSECTIONS IWB-3426 AND 342, REQUIRE THAT LEAKAGE RATE MEASUREMENTS FOR CATEGORY A VALVES BE COMPARED WITH PREVIOUS MEASUREMENTS AND SPECIFIC LIMITS AND THAT VALVES EXHIBITING SPECIFIED LEAK RATE INCREASES OR EXCEEDING STATED LIMITS BE TESTED AT AN INCREASED FREQUENCY OR UNDERGO CORRECTIVE ACTION, RESPECTIVELY. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO TREND AND EVALUATE VALVE LEAK RATE DATA PER THE REQUIREMENTS OF SECTION XI.
(8500 5)

TECHNICAL SPECIFICATION 6.4.1 STATES "A RETRAINING AND REPLACEMENT TRAINING PROGRAM FOR THE FACILITY STAFF... SHALL MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.5 OF ANSI N18.1-1971...". ANSI N18.1-1971, SELECTION AND TRAINING OF NUCLEAR POWER PLANT PERSONNEL, SECTION 5.5, STATES IN PART "A TRAINING PROGRAM SHALL BE ESTABLISHED WHICH MAINTAINS THE PROFICIENCY OF THE OPERATING ORGANIZATION THROUGH PERIODIC TRAINING EXERCISES, INSTRUCTION PERIODS, AND REVIEWS COVERING THOSE ITEMS AND EQUIPMENT WHICH RELATE TO SAFE OPERATION OF THE FACILITY..." AD1828.21, STA TRAINING, SECTION 6.6, SHIFT TECHNICAL ADVISOR REQUALIFICATION PROGRAM, REQUIRES THIS PROGRAM TO BE CONDUCTED ON AN ANNUAL BASIS AND TO INCLUDE A REVIEW OF TRANSIENT AND ACCIDENT ANALYSIS, PLANT THERMAL SCIENCES, REACTOR THEORY, AND MITIGATION OF ACCIDENTS INVOLVING A DEGRADED CORE. CONTRARY TO THE ABOVE, THE SHIFT TECHNICAL ADVISORS FOR THE YEAR 1984 DID NOT RECEIVE TRAINING IN MITIGATION OF ACCIDENTS INVOLVING A DEGRADED CORE, REACTOR THEORY, PLANT THERMAL SCIENCES, AND TRANSIENT AND ACCIDENT ANALYSIS AS DELINEATED IN AD1828.21. TECHNICAL SPECIFICATION 3.6.3.1 REQUIRES THE CONTAINMENT ISOLATION VALVES OF TABLE 3.6-2 TO BE OPERABLE WITH ISOLATION TIMES AS SHOWN IN TABLE 3.6-2. TABLE 3.6-2 SPECIFIES AN ISOLATION TIME OF 10 SECONDS FOR VALVE RC229A. IF AN ISOLATION VALVE HAS AN ISOLATION TIME GREATER THAN THAT SPECIFIED IN TABLE 3.6-2, THEN: (A) THE VALVE WILL BE RESTORED TO OPERABLE STATUS IN FOUR HOURS, OR (B) THE AFFECTED PENETRATION WILL BE ISOLATED WITHIN FOUR HOURS, OR (C) THE UNIT SHALL BE PLACED IN AT LEAST HOT STANDBY WITHIN THE NEXT SIX HOURS AND IN COLD SHUTDOWN WITHIN THE FOLLOWING 30 HOURS. CONTRARY TO THE ABOVE, VALVE RC229A EXCEEDED THE 10 SECOND

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

ISOLATION TIME AND THE VALVE WAS NOT RESTORED TO OPERABLE STATUS IN FOUR HOURS, OR THE AFFECTED PENETRATION ISOLATED WITHIN FOUR HOURS, OR THE UNIT REMOVED FROM POWERED OPERATIONS AND PLACED IN HOT STANDBY WITHIN THE NEXT SIX HOURS AND IN COLD SHUTDOWN WITHIN THE FOLLOWING 30 HOURS.
(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

UNIT SHUTDOWN FOR REPAIRS TO A CONTROL ROD DRIVE ON 3/21/85 AND IS PRESENTLY IN A MAINTENANCE OUTAGE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT 90%.

LAST IE SITE INSPECTION DATE: JUNE 10 - 14, 1985

INSPECTION REPORT NO: 85021

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-09	04/24/85	05/22/85	REACTOR TRIP ON FLUX/DELTA/FLOW

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 597.3

3. Utility Contact: DAVID P. SISK (805) 595-7351

4. Licensed Thermal Power (MWt): 3338

5. Nameplate Rating (Gross MWe): 1137

6. Design Electrical Rating (Net MWe): 1086

7. Maximum Dependable Capacity (Gross MWe): 1125

8. Maximum Dependable Capacity (Net MWe): 1073

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>597.3</u>	<u>597.3</u>	<u>597.3</u>
13. Hours Reactor Critical	<u>557.3</u>	<u>557.3</u>	<u>557.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>546.5</u>	<u>546.5</u>	<u>546.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,632,108</u>	<u>1,632,108</u>	<u>1,632,108</u>
18. Gross Elec Ener (MWH)	<u>544,132</u>	<u>544,132</u>	<u>544,132</u>
19. Net Elec Ener (MWH)	<u>514,995</u>	<u>514,995</u>	<u>514,995</u>
20. Unit Service Factor	<u>91.5</u>	<u>91.5</u>	<u>91.5</u>
21. Unit Avail Factor	<u>91.5</u>	<u>91.5</u>	<u>91.5</u>
22. Unit Cap Factor (MDC Net)	<u>80.4</u>	<u>80.4</u>	<u>80.4</u>
23. Unit Cap Factor (DER Net)	<u>79.4</u>	<u>79.4</u>	<u>79.4</u>
24. Unit Forced Outage Rate	<u>8.5</u>	<u>8.5</u>	<u>8.5</u>
25. Forced Outage Hours	<u>50.8</u>	<u>50.8</u>	<u>50.8</u>

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

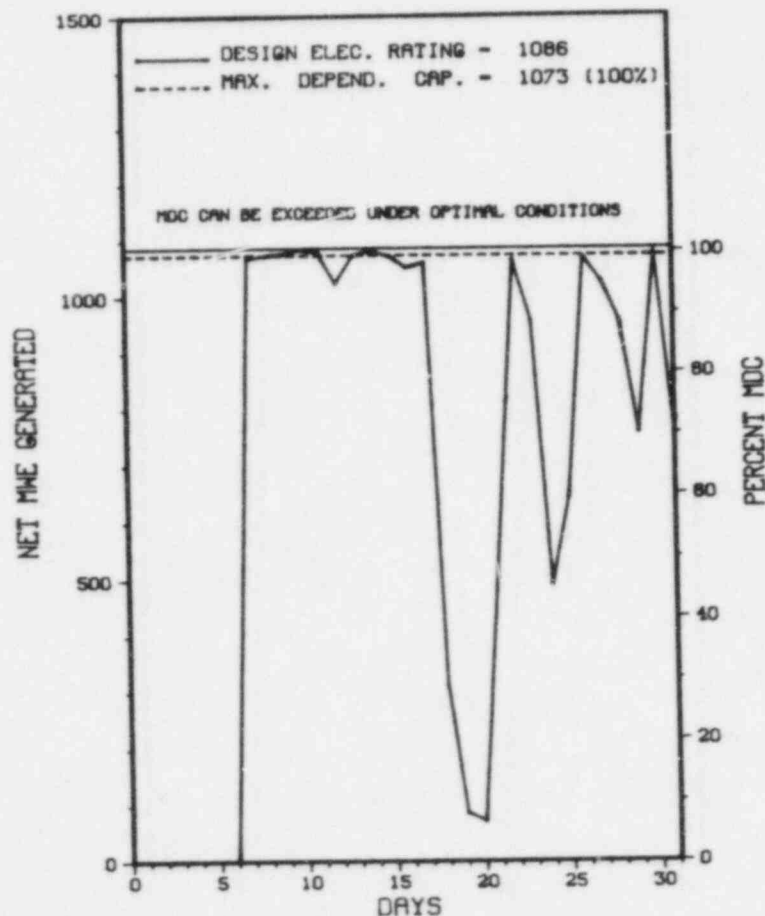
NONE

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

* DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/18/85	F	26.0	A	3	85-014	EE	AB	THE SLAVE 2.5 KVA REGULATING TRANSFORMER FOR INSTRUMENT INVERTER IY-13 FAILED. THE FAILED TRANSFORMER WAS REPLACED. TO IMPROVE RELIABILITY, THE ENTIRE INVERTER WILL BE REPLACED WITH A NEW, IMPROVED DESIGN THAT INCLUDES A SINGLE OUTPUT REGULATOR TRANSFORMER (NO SLAVE TRANSFORMER) DURING THE FIRST AVAILABLE LONG TERM OUTAGE.
2	05/20/85	F	10.4	A	3	85-015	EE	AB	A LOOSE CONNECTION TO THE OUTPUT CIRCUIT BREAKER FOR INSTRUMENT INVERTER PY-12 RESULTED IN THE BREAKER TRIPPING OPEN (LOW VOLTAGE OR VOLTAGE SPIKE). THE CONNECTION WAS RETERMINATED. TO PREVENT RECURRENCE, THESE CONNECTIONS WILL BE RECHECKED IN THIRTY DAYS AND AGAIN QUARTERLY UNTIL THE CONNECTIONS ARE REPLACED BY USING IMPROVED METHODS OF MAKING TERMINATIONS.
3	05/20/85	F	14.4	G	3	85-016	EE	AB	THE REACTOR TRIP WAS CAUSED BY A VOLTAGE TRANSIENT WHILE INSTRUMENT BUS PY-12 WAS BEING TRANSFERRED FROM BACK-UP TO NORMAL POWER SOURCE. THIS CAUSED SOURCE RANGE CHANNEL 32 TO SPIKE AND CAUSE A REACTOR TRIP. TO PREVENT RECURRENCE, THE APPLICABLE OPERATIONAL PROCEDURE HAS BEEN REVISED TO RESTRICT THE CONDITIONS UNDER WHICH THIS POWER TRANSFER MAY BE MADE.

* SUMMARY *

DIABLO CANYON 1 DECLARED COMMERCIAL OPERATION ON MAY 7, 1985.

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

* DIABLO CANYON 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN LUIS OBISPO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI WSW OF
 SAN LUIS OBISPO

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 29, 1984

DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1984

DATE COMMERCIAL OPERATE...MAY 7, 1985

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC

CORPORATE ADDRESS.....77 BEALE STREET
 SAN FRANCISCO, CALIFORNIA 94106

CONTRACTOR
ARCHITECT/ENGINEER.....PACIFIC GAS & ELECTRIC

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PACIFIC GAS & ELECTRIC

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....M.MENDONCA

LICENSING PROJ MANAGER....H. SCHIERLING
DOCKET NUMBER.....50-275

LICENSE & DATE ISSUANCE...DPR-80, NOVEMBER 2, 1984

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 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 APRIL 15-26, 1985 (REPORT NO. 50-275/85-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS INCLUDING GENERAL EMPLOYEE RADIATION PROTECTION TRAINING, AND PLANT TOURS. THE INSPECTION INVOLVED 96 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 9-25, 1985 (REPORT NO. 50-275/85-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 7 - MAY 25, 1985 (REPORT NO. 50-275/85-17) AREAS INSPECTED: ROUTINE INSPECTION OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, AND FOLLOWUP OF ON-SITE EVENTS, OPEN ITEMS, AND LER, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. THE INSPECTION INVOLVED 385 INSPECTOR-HOURS ONSITE BY FOUR NRC RESIDENT INSPECTORS.

RESULTS: ONE VIOLATION WAS IDENTIFIED THAT RELATED TO THE LOAD TIMING BEING OUT OF SPECIFICATION FOR A DIESEL GENERATOR.

+ INSPECTION ON APRIL 8-26, 1985 (REPORT NO. 50-275/85-18) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF THE CHANGES TO THE EMERGENCY PLAN AND ASSOCIATED IMPLEMENTING PROCEDURES, KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING) AND LICENSEE AUDITS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 10-21, 1985 (REPORT NO. 50-275/85-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

* INSPECTION ON JUNE 3-7, 1985 (REPORT NO. 50-275/85-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 26 - JUNE 29, 1985 (REPORT NO. 50-275/85-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

NONE

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER

Report Period MAY 1985

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

* DIABLO CANYON 1 *

OTHER ITEMS

LAST IE SITE INSPECTION DATE: 05/26-06/29/85+

INSPECTION REPORT NO: 50-275/85-25+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-03-Y1	03-01-85	03-01-85	SEMIANNUAL EFFLUENT RELEASE REPORT, REVIEW OF
85-12-L0	03-21-85	04-19-85	REACTOR TRIP CAUSED BY SHORTING 115 VOLT VITAL POWER DURING TESTING RWST LEVEL CHANNELS

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

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

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

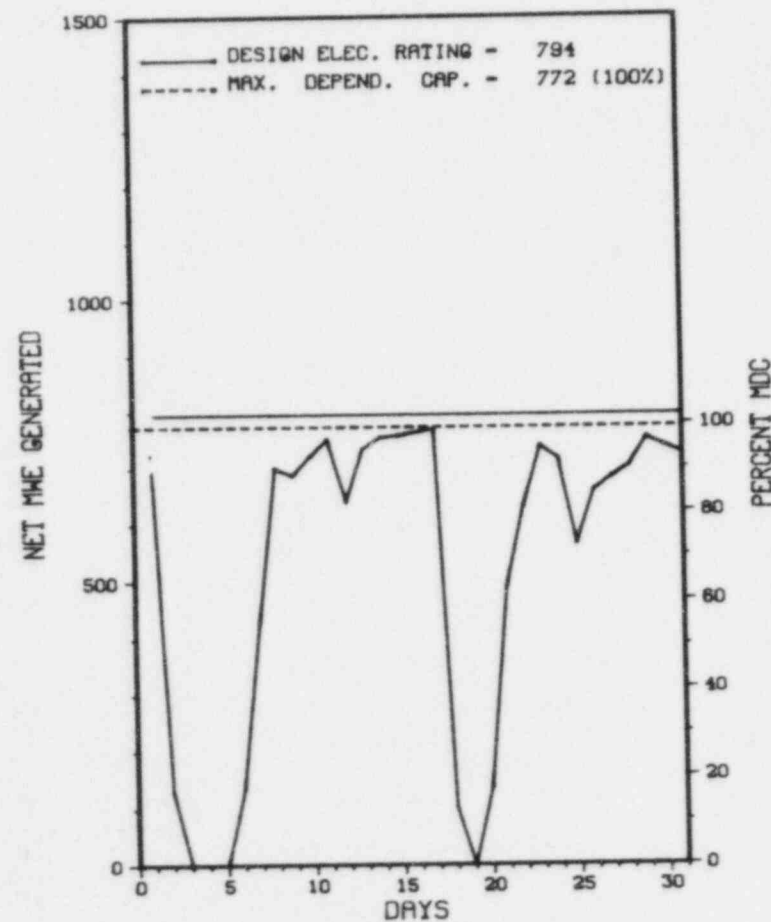
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>131,927.0</u>
13. Hours Reactor Critical	<u>655.8</u>	<u>1,122.8</u>	<u>99,859.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>590.8</u>	<u>993.2</u>	<u>95,297.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,282,531</u>	<u>1,997,344</u>	<u>193,378,362</u>
18. Gross Elec Ener (MWH)	<u>408,326</u>	<u>629,126</u>	<u>61,833,880</u>
19. Net Elec Ener (MWH)	<u>386,017</u>	<u>583,900</u>	<u>58,441,704</u>
20. Unit Service Factor	<u>79.4</u>	<u>27.4</u>	<u>72.2</u>
21. Unit Avail Factor	<u>79.4</u>	<u>27.4</u>	<u>72.2</u>
22. Unit Cap Factor (MDC Net)	<u>67.2</u>	<u>20.9</u>	<u>57.4</u>
23. Unit Cap Factor (DER Net)	<u>65.3</u>	<u>20.3</u>	<u>55.8</u>
24. Unit Forced Outage Rate	<u>20.6</u>	<u>13.4</u>	<u>11.5</u>
25. Forced Outage Hours	<u>153.2</u>	<u>153.2</u>	<u>4,863.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>SNUBBER INSPECTION - 6/22/85 - WEEKEND OUTAGE.</u>			
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

* D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

D R E S D E N 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/02/85	F	95.9	H	2	85-023			HIGH HOTWELL - 153 DEGS. F.
2	05/18/85	F	57.3	A	3	85-026			NO. 3 TURBINE CONTROL VALVE FAST CLOSURE DURING SURVEILLANCE.

* SUMMARY *

DRESDEN 2 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING MAY.

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

* DRESDEN 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 16 THROUGH APRIL 18 (85008): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS INSPECTION FINDINGS, 10 CFR 21 REPORTS, HEADQUARTERS REQUESTS, OPERATIONAL SAFETY, EVENTS, LICENSEE EVENT REPORTS, MAINTENANCE, SURVEILLANCE, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 366 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 68 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON MARCH 6-8, 11-14, 18-22, 26-28, APRIL 4, 5, 9-11, 15, 18 (85008): SPECIAL, ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF THE MAINTENANCE PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 174 INSPECTOR-HOURS ONSITE AND 24 INSPECTOR-HOURS OF IN-OFFICE PROCEDURE REVIEW. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW PROCEDURES WITH REGARD TO QC HOLD POINTS AND COMPLETION OF WORK REQUEST FORMS).

INSPECTION ON APRIL 22 THROUGH 24 (85011): ROUTINE, ANNOUNCED INSPECTION OF THE DRESDEN EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. ALTHOUGH NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED, FIVE EXERCISE WEAKNESSES WERE IDENTIFIED AS SUMMARIZED IN THE APPENDIX.

INSPECTION ON MARCH 27 THROUGH APRIL 17 (85015): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF LICENSEE EVENT REPORTS; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT); TECHNICAL SPECIFICATIONS; LOCAL LEAK RATE TEST PROCEDURE; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 34 INSPECTOR-HOURS ONSITE DURING

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* DRESDEN 2 *

INSPECTION SUMMARY

OFF-SHIFTS. FIFTEEN INSPECTOR-HOURS WERE EXPENDED IN THE REGION III OFFICE. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 20-23 AND APRIL 4 (85014): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTOR OF MEASURES TAKEN BY LICENSEE TO REPLACE AN EXISTING UNIT 2 125V DC BATTERY POWER SUPPLY WITH 125V DC POWER FROM THE UNIT 1 HPCI BATTERY. THE INSPECTION INVOLVED A TOTAL OF 30 INSPECTOR-HOURS ONSITE AND 3 INSPECTOR-HOURS OFFSITE BY ONE NRC INSPECTOR. OF THE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO HAVE PRESCRIBED STANDARDS AND PROCEDURES FOR ACCOMPLISHING CLASS 1E CABLE FIELD SPLICING AND CABLE INSTALLATION; FAILURE TO TAKE MEASURES TO ASSURE THAT DESIGN BASIS REQUIREMENTS ARE TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS).

INSPECTION ON MAY 2 (85018): REVIEW OF MAIN STEAM TRANSIENT MONITORING SYSTEM STRAIN GAGE SIGNALS. THE INSPECTION INVOLVED A TOTAL OF THREE INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 30.41(A) "TRANSFER OF BYPRODUCT MATERIAL" STATES THAT NO LICENSEE SHALL TRANSFER BYPRODUCT MATERIAL EXCEPT AS AUTHORIZED PURSUANT TO 10 CFR 30.41. CONTRARY TO THE ABOVE, LOW LEVELS OF RADIOACTIVE MATERIAL ON GAS CYLINDERS WERE TRANSFERRED TO AN OFFSITE GAS CYLINDER VENDOR THAT WAS NOT AUTHORIZED TO POSSESS THE MATERIAL. FAILURE TO ADEQUATELY IMPLEMENT A COMPENSATORY MEASURE.

FAILURE TO ADEQUATELY IMPLEMENT CONTRACTOR BACKGROUND SCREENING PROGRAM.
(8500 4)

CRITERION V OF APPENDIX B TO 10 CFR 50, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY CORPORATE QUALITY ASSURANCE MANUAL, CHAPTER 5, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, APPROXIMATELY 25 PERCENT OF WORK REQUEST PACKAGES REVIEWED WERE NOT COMPLETED IN ACCORDANCE WITH APPROVED PROCEDURES.
(8500 5)

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY CECO QA MANUAL, SECTION 5, STATES, IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS." CONTRARY TO THE ABOVE: (A) THE LICENSEE PERFORMED SIX SPLICES ON CLASS 1E SAFETY SHUTDOWN CABLES WITHOUT PRESCRIBED INSTRUCTIONS, STANDARDS OR SPECIFICATIONS, (B) THE LICENSEE INSTALLED SIX CLASS 1E 1/C 500 KCMIL, 600V SAFETY SHUTDOWN CABLES WITHOUT INSTRUCTIONS OR PROCEDURES.

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY CECO QA MANUAL, SECTION 3-1, STATES, IN PART, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT DESIGN BASIS REQUIREMENTS ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS." CONTRARY TO THE ABOVE, THE LICENSEE'S ENGINEERING CHANGE NOTICE, ECN D-85E-01 DATED FEBRUARY 28, 1985, AND WORK REQUEST D42720, REV. 0, DID NOT TRANSLATE THE REQUIREMENT TO PLACE OUT OF SERVICE THOSE CABLES INSTALLED IN THE SAME TRAY WITH CABLES HAVING FIELD SPLICES IN ACCORDANCE WITH THE LICENSEE'S FIELD MODIFICATION SAFETY EVALUATION DATED MARCH 13, 1985.
(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period MAY 1985

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

* D R E S D E N 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JUNE 3 - 7, 1985

INSPECTION REPORT NO: 85022

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

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

85-16	04/11/85	05/07/85	DRYWELL SUMPS PUMPED LATE
85-17	04/13/85	05/09/85	FAILURE TO TAKE REACTOR WATER SAMPLES D-2 SERVICE WATER SAMPLE
85-18	04/15/85	05/13/85	
85-19	04/19/85	05/17/85	UNIT 2/3 DIESEL GENERATOR AUTO START
85-20	04/24/85	05/21/85	HPCI 2301-4 VALVE FAILURE TO CLOSE
85-22	05/02/85	05/17/85	UNIT 2 REACTOR SCRAM
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>121,512.0</u>
13. Hours Reactor Critical	<u>691.4</u>	<u>3,374.7</u>	<u>90,098.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>659.6</u>	<u>3,302.1</u>	<u>86,475.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,465,505</u>	<u>7,485,977</u>	<u>174,545,906</u>
18. Gross Elec Ener (MWH)	<u>460,943</u>	<u>2,380,947</u>	<u>56,569,794</u>
19. Net Elec Ener (MWH)	<u>437,442</u>	<u>2,268,212</u>	<u>53,604,441</u>
20. Unit Service Factor	<u>88.7</u>	<u>91.1</u>	<u>71.2</u>
21. Unit Avail Factor	<u>88.7</u>	<u>91.1</u>	<u>71.2</u>
22. Unit Cap Factor (MDC Net)	<u>76.1</u>	<u>81.0</u>	<u>57.1</u>
23. Unit Cap Factor (DER Net)	<u>74.1</u>	<u>78.8</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.1</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>140.2</u>	<u>7,102.9</u>

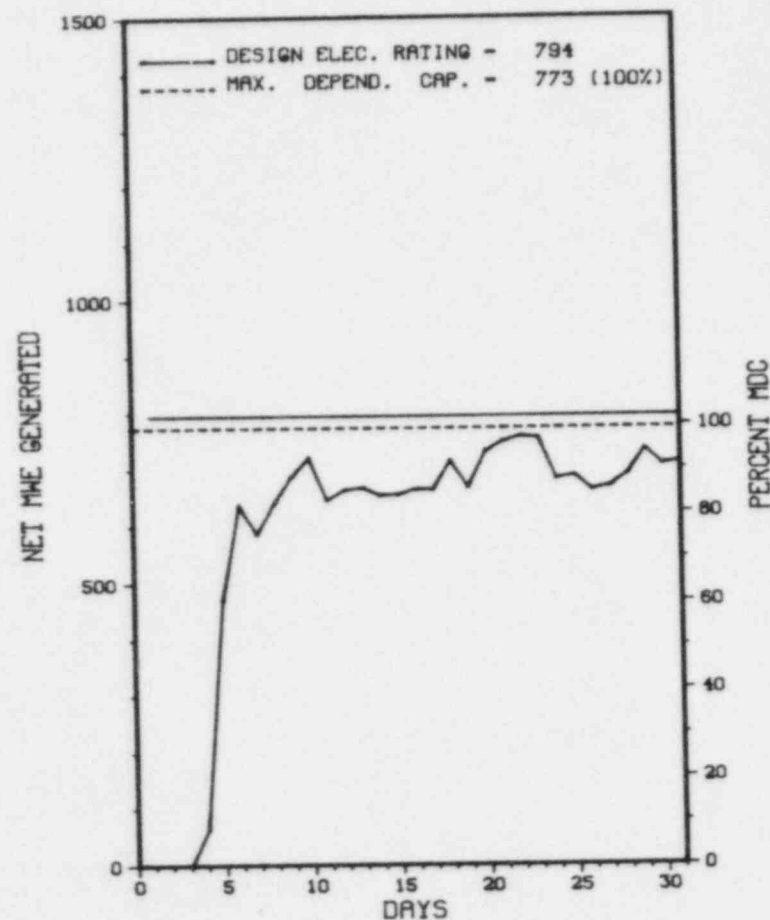
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUEL & PIPING REPLACEMENT - FALL 1985 - 6 MOS

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

* D R E S D E N 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

D R E S D E N 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	04/26/85	S	84.4	B	4				RECIRCULATION PIPING AND REPAIR OF FEEDWATER HEATER OUTAGE CONCLUDES.

 * SUMMARY *

DRESDEN 3 RETURNED ONLINE FROM A MAINTENANCE OUTAGE ON MAY 4TH AND OPERATED ROUTINELY 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)

* DRESDEN 3 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 31, 1971

DATE ELEC ENER 1ST GENER...JULY 22, 1971

DATE COMMERCIAL OPERATE...NOVEMBER 16, 1971

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER...KANKAKEE RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

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

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

PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60650

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 16 THROUGH APRIL 18 (85008): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF PREVIOUS INSPECTION FINDINGS, 10 CFR 21 REPORTS, HEADQUARTERS REQUESTS, OPERATIONAL SAFETY, EVENTS, LICENSEE EVENT REPORTS, MAINTENANCE, SURVEILLANCE, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 366 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 68 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON MARCH 6-8, 11-14, 18-22, 26-28, APRIL 4, 5, 9-11, 15, 18 (85007): SPECIAL, ANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF THE MAINTENANCE PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 174 INSPECTOR-HOURS ONSITE AND 24 INSPECTOR-HOURS OF IN-OFFICE PROCEDURE REVIEW. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW PROCEDURES WITH REGARD TO QC HOLD POINTS AND COMPLETION OF WORK REQUEST FORMS).

INSPECTION ON APRIL 22 THROUGH 24 (85010): ROUTINE, ANNOUNCED INSPECTION OF THE DRESDEN EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. ALTHOUGH NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED, FIVE EXERCISE WEAKNESSES WERE IDENTIFIED AS SUMMARIZED IN THE APPENDIX.

INSPECTION ON MARCH 27 THROUGH APRIL 17 (85014): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF LICENSEE EVENT REPORTS; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT); TECHNICAL SPECIFICATIONS; LOCAL LEAK RATE TEST PROCEDURE; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 34 INSPECTOR-HOURS ONSITE DURING

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* DRESDEN 3 *

INSPECTION SUMMARY

OFF-SHIFTS. FIFTEEN INSPECTOR-HOURS WERE EXPENDED IN THE REGION III OFFICE. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 20-23 AND APRIL 4 (85014): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTOR OF MEASURES TAKEN BY LICENSEE TO REPLACE AN EXISTING UNIT 2 125V DC BATTERY POWER SUPPLY WITH 125V DC POWER FROM THE UNIT 1 HPCI BATTERY. THE INSPECTION INVOLVED A TOTAL OF 30 INSPECTOR-HOURS ONSITE AND 3 INSPECTOR-HOURS OFFSITE BY ONE NRC INSPECTOR. OF THE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO HAVE PRESCRIBED STANDARDS AND PROCEDURES FOR ACCOMPLISHING CLASS 1E CABLE FIELD SPLICING AND CABLE INSTALLATION; FAILURE TO TAKE MEASURES TO ASSURE THAT DESIGN BASIS REQUIREMENTS ARE TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS).

ENFORCEMENT SUMMARY

10 CFR 30.41(A) "TRANSFER OF BYPRODUCT MATERIAL" STATES THAT NO LICENSEE SHALL TRANSFER BYPRODUCT MATERIAL EXCEPT AS AUTHORIZED PURSUANT TO 10 CFR 30.41. CONTRARY TO THE ABOVE, LOW LEVELS OF RADIOACTIVE MATERIAL ON GAS CYLINDERS WERE TRANSFERRED TO AN OFFSITE GAS CYLINDER VENDOR THAT WAS NOT AUTHORIZED TO POSSESS THE MATERIAL. FAILURE TO ADEQUATELY IMPLEMENT A COMPENSATORY MEASURE.

FAILURE TO ADEQUATELY IMPLEMENT CONTRACTOR BACKGROUND SCREENING PROGRAM. TECHNICAL SPECIFICATION 3.5.C.1 STATES IN PART THAT "THE HPCI SUBSYSTEM SHALL BE OPERABLE WHENEVER THE REACTOR PRESSURE IS GREATER THAN 90 PSIG AND IRRADIATED FUEL IS IN THE REACTOR VESSEL." TECHNICAL SPECIFICATION DEFINITION 1.0.0 DEFINES OPERABILITY FOR A SUBSYSTEM TO INCLUDE ALL AUXILIARY EQUIPMENT THAT ARE REQUIRED FOR THE SUBSYSTEM TO PERFORM ITS FUNCTION(S), ARE ALSO CAPABLE OF PERFORMING THEIR RELATED SUPPORT FUNCTION(S). CONTRARY TO THE ABOVE, ON FEBRUARY 22, 1985, THE SERVICE WATER TO THE HIGH PRESSURE COOLANT INJECTION (HPCI) SYSTEM ROOM COOLER WAS FOUND VALVED OUT. THE LICENSEE DETERMINED THAT THIS SITUATION HAD EXISTED FOR APPROXIMATELY 29 TO 38 DAYS. THEREFORE, THIS RESULTED IN THE ROOM COOLER, AND BY DEFINITION, HPCI, TO BE CONSIDERED INOPERABLE FOR THAT PERIOD OF TIME. A TECHNICAL EVALUATION CONDUCTED BY A LICENSEE CONTRACTOR SHOWED THAT THE HPCI WOULD BE FUNCTIONAL FOR A PERIOD OF TIME SUFFICIENT TO TAKE ALTERNATIVE ACTIONS. TECHNICAL SPECIFICATION 3.7.2 STATES IN PART, THAT PRIMARY CONTAINMENT INTEGRITY SHALL BE MAINTAINED AT ALL TIMES WHEN THE REACTOR IS CRITICAL OR WHEN THE REACTOR WATER TEMPERATURE IS ABOVE 212 DEGREE AND FUEL IS IN THE REACTOR VESSEL. CONTRARY TO THE ABOVE, ON MARCH 2, 1985, THE LICENSEE FOUND A TORUS WATER SAMPLE LINE OPEN. THIS ALLOWED FOR A DIRECT FLOWPATH FOR TORUS WATER FROM PRIMARY CONTAINMENT TO SECONDARY CONTAINMENT VIA THE REACTOR BUILDING FLOOR DRAIN SUMP. IT SHOULD BE NOTED THAT THIS LEAKAGE PATH WOULD STILL HAVE BEEN IN EXISTENCE DURING AN ACCIDENT SITUATION AND WOULD HAVE ALLOWED FOR A CALCULATED FLOW RATE OF APPROXIMATELY 40 GPM MAXIMUM, UNLESS ONE LOOP OF THE CORE SPRAY SYSTEM WAS INTENTIONALLY ISOLATED TO PREVENT IT. THE LICENSEE SUBSEQUENTLY DETERMINED THAT THE VALVES HAD BEEN OPEN FOR A PERIOD OF APPROXIMATELY FIVE SHIFTS. 10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES AND DRAWINGS" REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED AND ACCOMPLISHED BY APPROPRIATE INSTRUCTIONS, PROCEDURES, AND DRAWINGS. 10 CFR 50 APPENDIX B, CRITERION XIV, "INSPECTION TEST AND OPERATING STATUS", REQUIRES THAT MEASURES BE ESTABLISHED FOR INDICATING THE OPERATING STATUS OF...SYSTEMS AND COMPONENTS OF THE NUCLEAR POWER PLANT SUCH AS BY TAGGING...TO PREVENT INADVERTENT OPERATION. COMMONWEALTH EDISON COMPANY, TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS", IMPLEMENTS 10 CFR APPENDIX B. DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 6600-5, "B'S UNDERVOLTAGE AND ECCS INTEGRATED FUNCTIONAL TEST FOR 2(3) DIESEL GENERATOR", PREREQUISITES, STEP 13, CALLS FOR AN EQUIPMENT LINE UP IN ACCORDANCE WITH THE ATTACHED LOADING AND CAUTION CARD CHECK LISTS. CONTRARY TO THE ABOVE, WHILE PREPARING TO CONDUCT DRESDEN OPERATING SURVEILLANCE, DOS 6600-5, "BUS UNDERVOLTAGE AND ECCS INTEGRATED FUNCTIONAL TEST FOR 2(3) DIESEL GENERATOR", ON THE UNIT 2 EMERGENCY DIESEL GENERATOR ON FEBRUARY 16, 1985, MISLABELING AND MISAPPLICATION OF THE CAUTION CARDS RESULTED IN THE REMOVAL OF THE ABILITY OF THE UNIT 3 LOW PRESSURE EMERGENCY CORE COOLING SYSTEMS TO RESPOND UNDER A LOSS OF OFF SITE POWER CONDITION IF THEY HAD BEEN CALLED UPON. THE CONDITION EXISTED FOR ABOUT FOUR AND ONE HALF MINUTES WHILE THE UNIT WAS AT FULL POWER AND IT WAS RECOGNIZED AND CORRECTED THROUGH THE PROMPT RESPONSE OF CONTROL ROOM MANAGEMENT PERSONNEL. IT IS RECOGNIZED THAT THE LOW PRESSURE EMERGENCY CORE COOLING SYSTEMS COULD HAVE RESPONDED AS DESIGNED AS LONG AS OFFSITE POWER WAS AVAILABLE. (8500 4)

CRITERION V OF APPENDIX B TO 10 CFR 50, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY CORPORATE QUALITY ASSURANCE MANUAL, CHAPTER 5, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS AND SHALL BE

ENFORCEMENT SUMMARY

ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, APPROXIMATELY 25 PERCENT OF WORK REQUEST PACKAGES REVIEWED WERE NOT COMPLETED IN ACCORDANCE WITH APPROVED PROCEDURES. 10 CFR 50, APPENDIX B, CRITERION XI, AS IMPLEMENTED BY IOWA ELECTRIC LIGHT AND POWER COMPANY "QUALITY ASSURANCE MANUAL" (QAM), REQUIRES THAT ADEQUATE TEST INSTRUMENTATION IS AVAILABLE AND USED. FURTHER, QAM, CHAPTER 7, REQUIRES THE CONTROLLING OF MEASURING AND TEST EQUIPMENT (MTE) WITHIN THE SCOPE OF SURVEILLANCE TEST ACTIVITIES. CONTRARY TO THE ABOVE, THE RANGE AND ACCURACY OF THE MTE USED IN SURVEILLANCE TESTS ARE NOT CONTROLLED WITHIN THE BODY OF THE SURVEILLANCE PROCEDURES. MTE NEED TO BE CONTROLLED TO ENSURE TESTING OF SYSTEMS, AND COMPONENTS WILL MEET THEIR ACCEPTANCE LIMITS. 10 CFR 50, APPENDIX B, CRITERION XII, AS IMPLEMENTED BY IOWA ELECTRIC LIGHT AND POWER COMPANY, QAM, REQUIRES MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED. FURTHER, QAM, CHAPTER 11, REQUIRES A USE HISTORY EVALUATION BE PERFORMED ON MTE FOUND OUT OF CALIBRATION. CONTRARY TO THE ABOVE, THREE PIECES OF MTE WERE FOUND OUT OF CALIBRATION AND THERE WAS NO USE HISTORY EVALUATION DOCUMENTED ON THEIR DATA SHEETS. THE USE HISTORY EVALUATIONS WERE COMPLETED BY THE LICENSEE FOLLOWING IDENTIFICATION BY THE NRC INSPECTOR. DUANE ARNOLD ENERGY CENTER TECHNICAL SPECIFICATIONS, PARAGRAPH 6.8.1, REQUIRES IN PART THAT PROCEDURES IMPLEMENTING THE FIRE PROTECTION PLAN SHALL BE ADHERED TO. ONE OF THE PROCEDURES WHICH IMPLEMENTS THE FIRE PROTECTION PLAN (ADMINISTRATIVE PROCEDURE NO. 1412.2, "CONTROL OF COMBUSTIBLES", REVISION 3, DATED NOVEMBER 7, 1984) REQUIRES IN SECTION 6.2.2 THAT A COMBUSTIBLE MATERIAL CONTROL TAG BE COMPLETED BEFORE BRINGING ANY FLAMMABLE GASES SUCH AS ACETYLENE OR AEROSOL CANS INTO THE POWER BLOCK BUILDINGS. SECTION 6.12 OF THIS PROCEDURE REQUIRES THAT THE COMBUSTIBLE MATERIAL CONTROL TAG ORIGINAL BE POSTED INSIDE OR IMMEDIATELY OUTSIDE THE WORK AREA. CONTRARY TO THE ABOVE, ON FEBRUARY 11, 1985, THE INSPECTOR NOTED SEVERAL AEROSOL CANS OF FLAMMABLE SPRAY PAINT IN THE REACTOR BUILDING WITHOUT A COMBUSTIBLE MATERIAL CONTROL TAG. ON FEBRUARY 12, 1985, THE INSPECTOR NOTED AN ACETYLENE BOTTLE IN THE TURBINE BUILDING WITHOUT A COMBUSTIBLE MATERIAL CONTROL TAG. 10 CFR 20.311(D)(4) REQUIRES THAT ANY GENERATING LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY SHALL PREPARE SHIPPING MANIFESTS TO MEET THE REQUIREMENTS OF 10 CFR 20.311(B), WHICH REQUIRES THAT THE MANIFEST CLEARLY IDENTIFY WASTES CLASSIFIED AS CLASS A, CLASS B OR CLASS C IN 10 CFR 61.55. CONTRARY TO THE ABOVE, THE SHIPPING MANIFEST FOR WASTE SHIPMENT NO. 84-53 FAILED TO IDENTIFY THE WASTE CLASSIFICATION FOR DRUM NO. 84-A-84 WHICH CONTAINED CLASS A WASTE. ENVIRONMENTAL TECHNICAL SPECIFICATIONS (APPENDIX B), AMENDMENTS 22 AND 31, TABLE 4.3-1 STATE THAT: 1. SAMPLE FREQUENCY OF WILDLIFE IS SEMIANNUALLY; AND 2. SAMPLE FREQUENCY OF SOIL IS TRIANNUALLY DURING THE GROWING SEASON. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO COLLECT: A. ONE OF THE WILDLIFE SAMPLES DURING THE SECOND HALF OF 1983 AND ONE FOR THE FIRST HALF OF 1984; AND B. ONE OF THE TRIANNUAL SOIL SAMPLES DURING THE GROWING SEASON (MAY-SEPTEMBER) DURING 1984.

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JUNE 3 - 7, 1985

Report Period MAY 1985

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

* D R E S D E N 3 *

INSPECTION REPORT NO: 85018

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-10	04/27/85	05/23/85	REACTOR SCRAM
85-11	04/16/85	05/06/85	REACTOR BUILDING VENT TRIP AND "B" SBT AUTO START
85-12	04/29/85	05/21/85	LOCAL LEAK RATE TEST FAILURE OF FEEDWATER VALVE 3-220-62A

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: KEN S. PUTNAM (319) 851-7456

4. Licensed Thermal Power (Mwt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

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

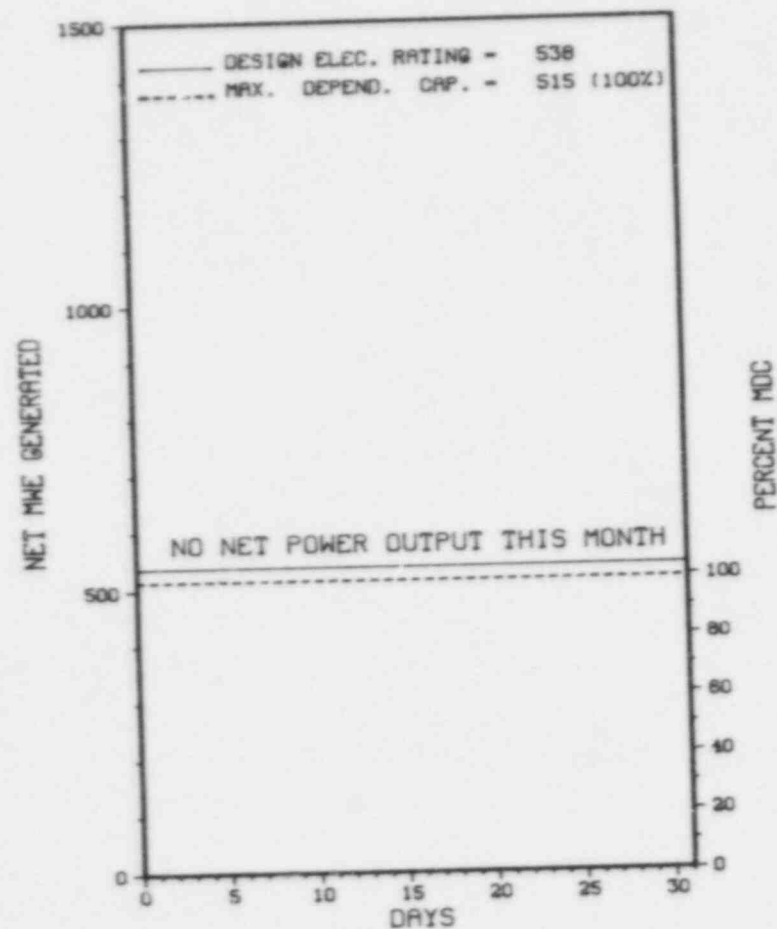
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>90,551.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>773.8</u>	<u>63,335.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>773.1</u>	<u>61,620.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,005,468</u>	<u>77,465,401</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>335,850</u>	<u>25,923,204</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>313,653</u>	<u>24,267,586</u>
20. Unit Service Factor	<u>.0</u>	<u>21.3</u>	<u>68.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>21.3</u>	<u>68.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>16.8</u>	<u>52.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>16.1</u>	<u>49.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,384.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>07/04/85</u>		

 * DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DUANE ARNOLD



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/02/85	S	744.0	C	4		RC	FUELXX	CONTINUED REFUELING OUTAGE.

***** DUANE ARNOLD REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

* SUMMARY *

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

* DUANE ARNOLD *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA

COUNTY.....LINN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NW OF
CEDAR RAPIDS, IA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 23, 1974

DATE ELEC ENER 1ST GENER...MAY 19, 1974

DATE COMMERCIAL OPERATE...FEBRUARY 1, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CEDAR RAPIDS RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....IOWA ELECTRIC POWER & LIGHT

CORPORATE ADDRESS.....I E TOWERS, P.O. BOX 351
CEDAR RAPIDS, IOWA 52406

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WEIBE

LICENSING PROJ MANAGER.....M. THADANI
DOCKET NUMBER.....50-331

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

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 8-12 AND APRIL 17 (85009): ROUTINE, UNANNOUNCED INSPECTION OF: (1) PLANT CHEMISTRY AND RADIOCHEMISTRY, INCLUDING MANAGEMENT CONTROLS AND ORGANIZATION, CHEMISTRY STAFFING, CHEMISTRY CONTROL, SAMPLING AND ANALYSIS OF WATER QUALITY, FACILITIES AND EQUIPMENT, QUALITY ASSURANCE/CONTROL OF ANALYTICAL MEASUREMENTS; CHEMICAL PROCESSES AND PRACTICES OF CONTROLLING CHEMICAL IMPURITIES; (2) IMPLEMENTATION OF 10 CFR PART 61 AND 10 CFR PART 20.311 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND CLASSIFICATION REQUIREMENTS; (3) REVIEW OF RADIOLOGICAL ENVIRONMENTAL MONITORING REPORTS AND IMPLEMENTATION OF THE REMP; AND (4) LICENSEE INTERNAL AUDITS. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE VIOLATION WAS IDENTIFIED IN THE THIRD AREA: FAILURE TO COLLECT ONE OF THE WILDLIFE SAMPLES FOR THE SECOND HALF OF 1983 AND ONE FOR THE FIRST HALF OF 1984, AND ONE OF THE TRIANNUAL SOIL SAMPLES DURING THE GROWING SEASON (MAY-SEPTEMBER) IN 1984 FOR THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP).

INSPECTION ON APRIL 15-19 (85010): ROUTINE, ANNOUNCED INSPECTION OF MAIN STEAM ISOLATION VALVE (MSIV) MAINTENANCE AND TESTING. THE INSPECTION INVOLVED A TOTAL OF 35 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-HOURS. IN THE TWO AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN ONE AREA. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW PROCEDURES).

Report Period MAY 1985

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

* DUANE ARNOLD *

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED, IMPLEMENTED AND MAINTAINED FOR PREVENTIVE AND CORRECTIVE MAINTENANCE OPERATIONS WHICH COULD HAVE AN EFFECT ON NUCLEAR SAFETY. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT REPAIR PROCEDURE RP85/IE-9 IN THAT CERTAIN DATA RECORDING REQUIREMENTS WERE NOT COMPLETED. 10CFR 50.54 (A)(1) REQUIRES ALABAMA POWER COMPANY (APCO) TO IMPLEMENT THE QUALITY ASSURANCE PROGRAM DESCRIBED IN ITS SAFETY ANALYSIS REPORT. SECTION 17.2.5 OF THE APCO QA PROGRAM REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY PROCEDURES AND BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE LICENSEE CHANGED THE SEQUENCE OF WORK ON 19WR 107514 WITHOUT OBTAINING PROPER REVIEW AND APPROVAL AS REQUIRED BY FNP-0-AP-52, REVISION 5.
(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN ON 2/2/85 FOR REFUELING OUTAGE AND 10 YEAR ISI WORK.

LAST IE SITE INSPECTION DATE: OCTOBER 29 - NOVEMBER 1, 1985

INSPECTION REPORT NO: 85016

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-07	02/21/85	05/06/85	HPCI TURBINE REVERSING CHAMBER PROBLEMS
85-12	04/25/85	05/24/85	INADVERTENT GROUP III ISOLATION

=====

1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 05/01/85 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): 1045 X 0.85 = 888

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 861

8. Maximum Dependable Capacity (Net MWe): 816

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>65,735.0</u>
13. Hours Reactor Critical	<u>137.5</u>	<u>2,404.9</u>	<u>44,533.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>94.6</u>	<u>2,315.9</u>	<u>43,340.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>85,286</u>	<u>5,878,489</u>	<u>109,779,062</u>
18. Gross Elec Ener (MWH)	<u>19,130</u>	<u>1,895,290</u>	<u>34,888,408</u>
19. Net Elec Ener (MWH)	<u>7,210</u>	<u>1,780,732</u>	<u>32,909,778</u>
20. Unit Service Factor	<u>12.7</u>	<u>63.9</u>	<u>65.9</u>
21. Unit Avail Factor	<u>12.7</u>	<u>63.9</u>	<u>65.9</u>
22. Unit Cap Factor (MDC Net)	<u>1.2</u>	<u>60.2</u>	<u>62.7*</u>
23. Unit Cap Factor (DER Net)	<u>1.2</u>	<u>59.3</u>	<u>60.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.7</u>	<u>12.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>65.2</u>	<u>6,311.2</u>

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

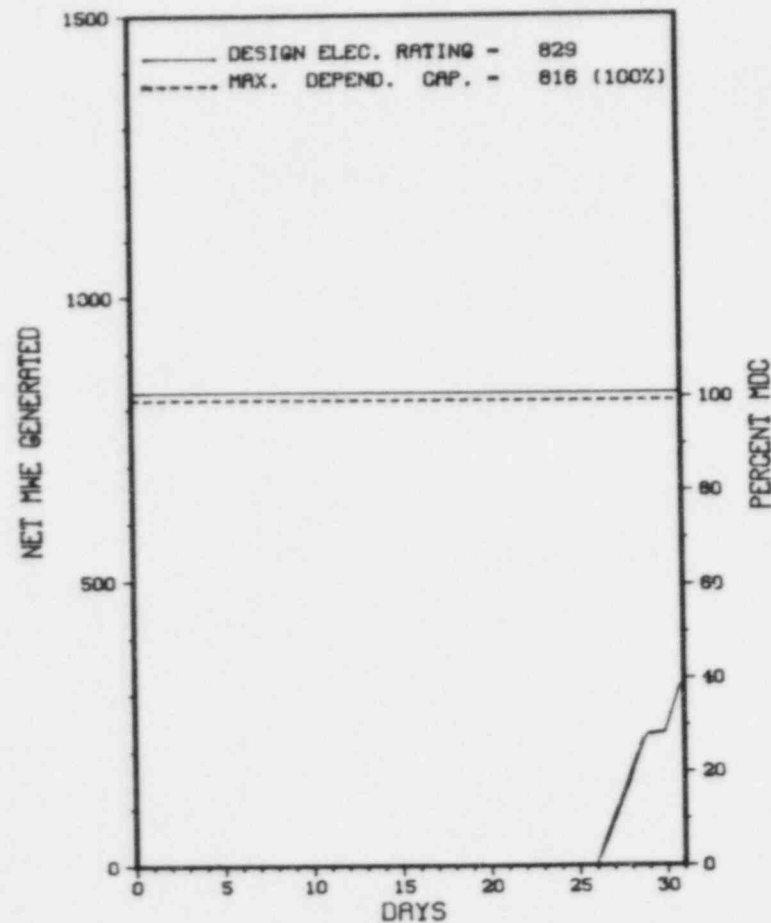
NONE

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
002	04/06/85	S	638.4	C	4		RC	FUELXX	THE CYCLE VI-VII REFUELING OUTAGE CONTINUED FROM 4-6-85.
003	05/28/85	S	11.0	B	9				TURBINE OVERSPEED TRIP TEST; MAINTENANCE TESTING.

* SUMMARY *

FARLEY 1 RETURNED ONLINE FROM REFUELING AND MAINTENANCE ON MAY 27TH AND OPERATED ROUTINELY THE REMAINDER OF 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-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)

* FARLEY 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
DOTHAN, ALA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 9, 1977

DATE ELEC ENER 1ST GENER...AUGUST 18, 1977

DATE COMMERCIAL OPERATE....DECEMBER 1, 1977

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203

CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-348

LICENSE & DATE ISSUANCE...NPF-2, JUNE 25, 1977

PUBLIC DOCUMENT ROOM.....G.S. HOUSTON MEMORIAL LIBRARY
212 N. BURDESHAW STREET
DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION MARCH 11-15 & MARCH 26-28 (85-15): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 152.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSED AND NONLICENSED OPERATOR AND REQUALIFICATION TRAINING, SHIFT TECHNICAL ADVISOR TRAINING, MANAGEMENT TRAINING, SUPPORT ENGINEER TRAINING, QA/QC TRAINING, GENERAL EMPLOYEE TRAINING, INSTRUCTOR QUALIFICATIONS, SIMULATOR TRAINING, AND MAINTENANCE TRAINING. IN THE AREAS INSPECTED, SEVERAL APPARENT VIOLATIONS WERE IDENTIFIED; HOWEVER, AS A RESULT OF THE CURRENT NRC POLICY STATEMENT ON TRAINING AND QUALIFICATION OF NUCLEAR POWER PLANT PERSONNEL, THESE ITEMS WILL BE CARRIED AS UNRESOLVED PENDING FURTHER NRC EVALUATION.

INSPECTION APRIL 15-19 (85-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 55 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM REVIEW, QA ADMINISTRATION, AUDITS, DOCUMENT CONTROL, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO LIST PERSONS CONTACTED DURING AUDITING.

INSPECTION APRIL 16-19 (85-22): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1) AND IE BULLETINS (UNITS 1 AND 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW ISI PLAN - PARAGRAPH 8.F.

ENFORCEMENT SUMMARY

Report Period MAY 1985

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

* FARLEY 1 *

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR 50, APPENDIX R, CRITERION V, AS IMPLEMENTED BY PARAGRAPH 17.2.5 OF THE FSAR, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED PROCEDURES IN THAT: 1. FOR SG FEEDWATER NOZZLE TO SHELL WELD 1-8, ONLY THE EDGE OF THE WELD ON THE SHELL SIDE WAS NOT INSPECTED IN LIEU OF THE ENTIRE WELD AND NEXT AFFECTED ZONES; 2. FOR SG TRANSITION CONE TO LOWER SHELL WELD 1-4, THE AREA OF WELD EXAMINED WAS MISLOCATED BY APPROXIMATELY 15 INCHES CIRCUMFERENTIALLY.
(8502 4)

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: APRIL 19, 1985 +

INSPECTION REPORT NO: 50-348/85-22 +

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

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

85-002	03/13/85	04/12/85	REACTOR TRIP CAUSED BY A RAPID LOAD REDUCTION, DUE TO A SPURIOUS ACTUATION OF A LIMIT SWITCH.
85-003	04/13/85	05/13/85	ACTUATION OF ENGINEERED SAFETY FEATURE EQUIPMENT, THE ELECTRICIAN ACCIDENTLY CAUSED A SHORT CIRCUIT.
85-004	04/15/85	05/15/85	CONTAINMENT AIR LOCK DOORS OPEN, A WORKER HAD EXITED CONTAINMENT VIA AUX AIR LOCK IMPROPERLY.
85-005	04/15/85	05/09/85	NO OPERABLE CHARGING PUMPS, DUE TO PERSONNEL ERROR.
85-007	04/11/85	05/10/85	INOPERABLE FIRE DOOR, DUE TO A LOOSE AUTO-CLOSURE.
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 807

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

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

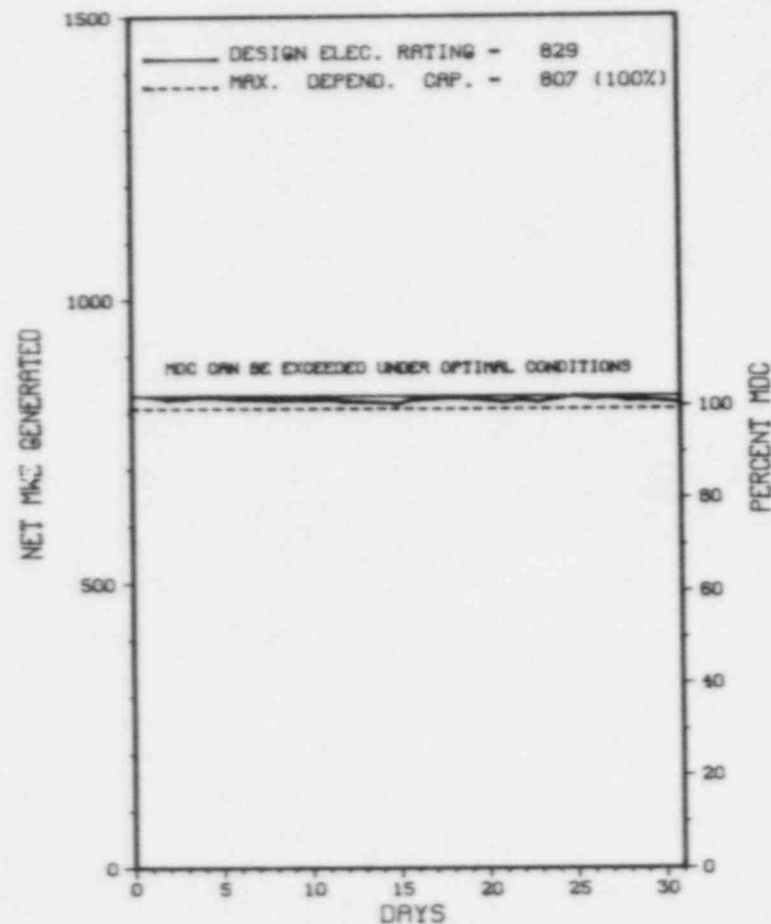
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>33,648.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>1,843.8</u>	<u>28,756.3</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>1,799.0</u>	<u>28,377.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,925,137</u>	<u>4,395,160</u>	<u>72,820,756</u>
18. Gross Elec Ener (MWH)	<u>642,088</u>	<u>1,459,458</u>	<u>23,405,712</u>
19. Net Elec Ener (MWH)	<u>612,000</u>	<u>1,362,472</u>	<u>22,181,394</u>
20. Unit Service Factor	<u>100.0</u>	<u>49.7</u>	<u>84.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>49.7</u>	<u>84.3</u>
22. Unit Cap Factor (MDC Net)	<u>101.9</u>	<u>46.6</u>	<u>81.7</u>
23. Unit Cap Factor (DER Net)	<u>99.2</u>	<u>45.4</u>	<u>79.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>5.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>28.6</u>	<u>1,565.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

* SUMMARY *

FARLEY 2 OPERATED ROUTINELY WITH NO OUTAGES OR POWER REDUCTIONS DURING THE MONTH OF MAY.

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

* FARLEY 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 11-15 & MARCH 26-28 (85-15): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 152.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSED AND NONLICENSED OPERATOR AND REQUALIFICATION TRAINING, SHIFT TECHNICAL ADVISOR TRAINING, MANAGEMENT TRAINING, SUPPORT ENGINEER TRAINING, QA/QC TRAINING, GENERAL EMPLOYEE TRAINING, INSTRUCTOR QUALIFICATIONS, SIMULATOR TRAINING, AND MAINTENANCE TRAINING. IN THE AREAS INSPECTED, SEVERAL APPARENT VIOLATIONS WERE IDENTIFIED; HOWEVER, AS A RESULT OF THE CURRENT NRC POLICY STATEMENT ON TRAINING AND QUALIFICATION OF NUCLEAR POWER PLANT PERSONNEL, THESE ITEMS WILL BE CARRIED AS UNRESOLVED PENDING FURTHER NRC EVALUATION.

INSPECTION APRIL 15-19 (85-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 55 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM REVIEW, QA ADMINISTRATION, AUDITS, DOCUMENT CONTROL, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO LIST PERSONS CONTACTED DURING AUDITING.

INSPECTION APRIL 16-19 (85-22): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1) AND IE BULLETINS (UNITS 1 AND 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW ISI PLAN - PARAGRAPH 8.F.

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1985

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

* FARLEY 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE CONTINUES TENDON FIELD ANCHORS INSPECTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 19, 1985 +

INSPECTION REPORT NO: 50-364/85-22 +

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

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-008    03/28/85   04/27/85   REACTOR TRIP, DUE TO PERSONNEL ERROR.
=====
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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: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

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

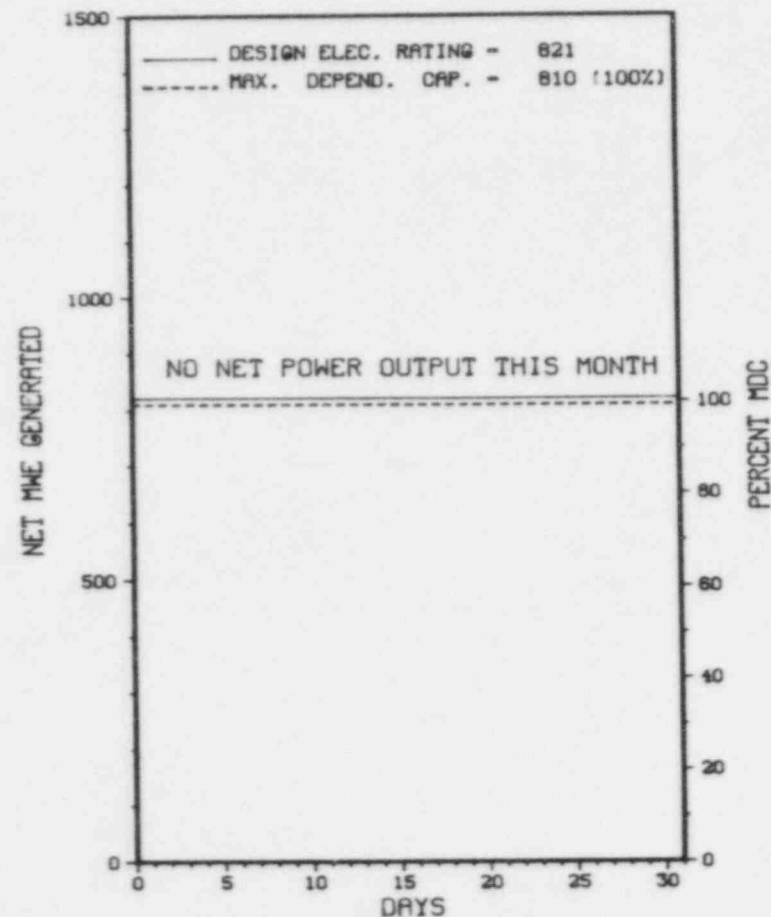
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>86,304.0</u>
13. Hours Reactor Critical	<u>66.9</u>	<u>1,163.7</u>	<u>60,779.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,096.8</u>	<u>59,044.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,558,832</u>	<u>125,494,786</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>873,930</u>	<u>42,592,340</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>845,655</u>	<u>41,243,660</u>
20. Unit Service Factor	<u>.0</u>	<u>30.3</u>	<u>68.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>30.3</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>28.8</u>	<u>62.0*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>28.4</u>	<u>58.2</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>9,206.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 06/01/85

* FITZPATRICK *
. **

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FITZPATRICK



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/14/85	S	744.0	C	4	85-006	TB		SHUTDOWN FOR REFUELING (CUMULATIVE HOURS 2526.2).

* SUMMARY *

THE FITZPATRICK PLANT REMAINED SHUTDOWN FOR THIS REPORTING PERIOD IN A CONTINUED REFUELING OUTAGE.

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

* FITZPATRICK *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...NOVEMBER 17, 1974

DATE ELEC ENER 1ST GENER...FEBRUARY 1, 1975

DATE COMMERCIAL OPERATE...JULY 28, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NYPA

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.....L. DOERFLEIN

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

TECHNICAL SPECIFICATION 3.7.A.4.8 ALLOWS CONTINUED REACTOR OPERATION ONLY DURING THE SUCCEEDING 7 DAYS AFTER ONE OF THE PRESSURE SUPPRESSION CHAMBER TO REACTOR BUILDING VACUUM BREAKERS IS MADE OR FOUND TO BE INOPERABLE FOR ANY REASON. CONTRARY TO THE ABOVE, REACTOR OPERATION CONTINUED FROM FEBRUARY 1-12, 1985, A PERIOD OF ELEVEN DAYS, WHILE PRESSURE SUPPRESSION CHAMBER TO REACTOR BUILDING VACUUM BREAKER NO. 27-VB-7 WAS INOPERABLE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).

TECHNICAL SPECIFICATION 5.8.1 REQUIRES THAT "WRITTEN PROCEDURES.... BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE MINIMUM REQUIREMENTS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972, AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33 THE FCS OPERATING MANUAL STATES IN SECTION 1.3 THAT: "ADHERENCE TO THE OPERATING MANUAL IS MANDATORY." RADIATION PROTECTION PROCEDURE (RPP) 14 IN SECTION B OF THE OPERATING MANUAL STATES THAT: "HIGH LEVEL WASTE IS ANY MATERIAL DISPOSED OF HAVING CONTACT RADIATION READINGS OF GREATER THAN 100 MR/HR..... HOT SPOT STICKERS WILL BE ATTACHED TO THE BAG STATING THE RADIATION LEVELS AND ANY SPECIAL PRECAUTIONS THAT SHOULD BE TAKEN." CONTRARY TO THE ABOVE, AN NRC INSPECTOR DETERMINED ON MARCH 5, 1985, THAT A PLASTIC BAG, WITHOUT A HOT SPOT STICKER ATTACHED, AND YIELDING A CONTACT RADIATION DOSE RATE OF APPROXIMATELY 300 MR/HR WAS OBSERVED IN AN

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

UNPOSTED WASTE BIN LOCATED IN THE LOWER LEVEL OF THE AUXILIARY BUILDING. THE OUTSIDE SURFACE OF THE WASTE BIN WAS OBSERVED TO YIELD A CONTACT DOSE RATE OF APPROXIMATELY 110 MR/HR 10 CFR PART 20.408(B) REQUIRES THAT: "WHEN AN INDIVIDUAL TERMINATES EMPLOYMENT WITH A LICENSEE...THE LICENSEE SHALL FURNISH... THE NRC..., A REPORT OF THE INDIVIDUAL'S EXPOSURES TO RADIATION...DURING THE PERIOD OF EMPLOYMENT... SUCH REPORT SHALL BE FURNISHED WITHIN 30 DAYS AFTER THE EXPOSURE OF THE INDIVIDUAL HAS BEEN DETERMINED BY THE LICENSEE OR 90 DAYS AFTER THE DATE OF TERMINATION OF EMPLOYMENT... WHICHEVER IS EARLIER." 10 CFR PART 20.409(B) REQUIRES THAT: "WHEN A LICENSEE IS REQUIRED PURSUANT TO 10 CFR PART 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION...THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL BE TRANSMITTED AT A TIME NOT LATER THAN TRANSMITTAL TO THE COMMISSION...."

CONTRARY TO THE ABOVE, AN NRC INSPECTOR DETERMINED ON MARCH 6, 1985, THAT THE LICENSEE FAILED TO PROVIDE THE REQUIRED EXPOSURE INFORMATION WITHIN THE SPECIFIED TIME PERIOD ON AT LEAST THREE OCCASIONS INVOLVING WORKERS TERMINATING EMPLOYMENT IN 1984 AND 1985.
(8500 4)

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568
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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: 50-285 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 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): 591 X 0.85 = 502

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 502

8. Maximum Dependable Capacity (Net MWe): 478

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

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

11. Reasons for Restrictions, If Any: NONE

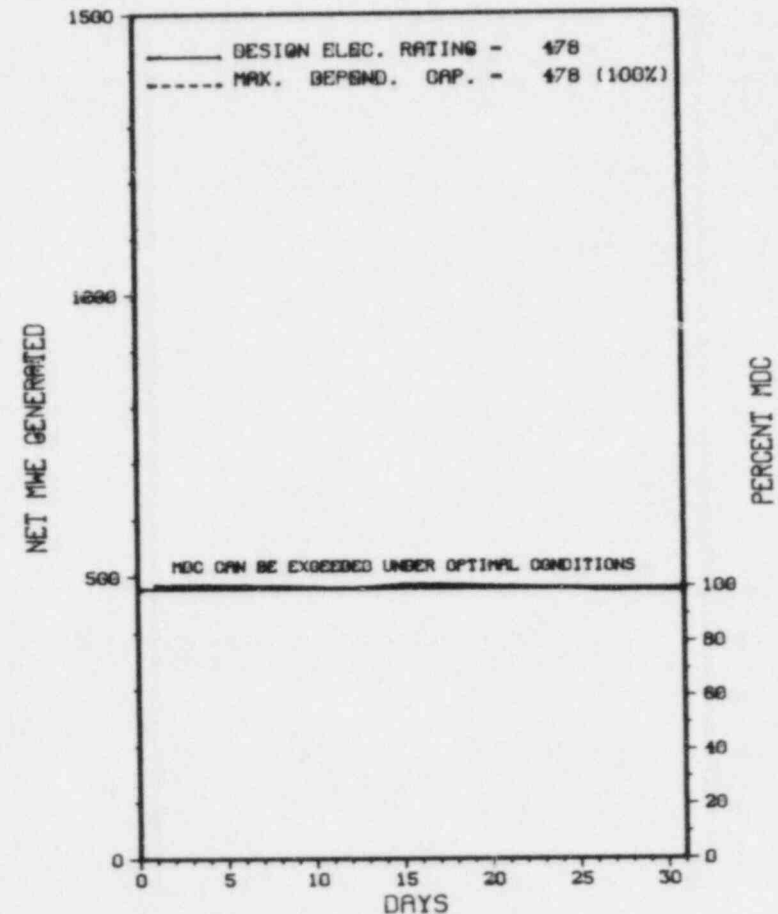
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>102,408.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,596.6</u>	<u>79,596.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,588.7</u>	<u>78,206.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,111,353</u>	<u>5,299,096</u>	<u>99,485,864</u>
18. Gross Elec Ener (MWH)	<u>375,038</u>	<u>1,801,024</u>	<u>32,882,504</u>
19. Net Elec Ener (MWH)	<u>357,817</u>	<u>1,719,093</u>	<u>31,130,724</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.1</u>	<u>76.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.1</u>	<u>76.4</u>
22. Unit Cap Factor (MDC Net)	<u>100.6</u>	<u>99.3</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>100.6</u>	<u>99.3</u>	<u>63.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,750.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: 10/16/85 - 8 WEEKS.

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

 * FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FORT CALHOUN 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

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

* SUMMARY *

FORT CALHOUN OPERATED AT FULL POWER DURING MAY.

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

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FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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LOCATION
STATE.....NEBRASKA

COUNTY.....WASHINGTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI N OF
                                OMAHA, NEB

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1973

DATE ELEC ENER 1ST GENER...AUGUST 25, 1973

DATE COMMERCIAL OPERATE...JUNE 20, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...MISSOURI RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT A
                                RELIABILITY C
                                AGREEMENT

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UTILITY & CONTRACTOR INFORMATION

```
UTILITY
LICENSEE.....OMAHA PUBLIC POWER DISTRICT

CORPORATE ADDRESS.....1623 HARNEY STREET
                        OMAHA,, NEBRASKA 68102

CONTRACTOR
ARCHITECT/ENGINEER.....GIBBS, HILL, DURHAM & RICHARDSON

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....GIBBS, HILL, DURHAM & RICHARDSON

TURBINE SUPPLIER.....GENERAL ELECTRIC
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REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 4-8, 1985 (85-02)

ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION (RP) PROGRAM INCLUDING ORGANIZATION, TRAINING, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, RADIOACTIVE CONTAMINATION AND MATERIAL CONTROL, RADIOLOGICAL SURVEYS, RP FACILITIES, AND ACTIONS ON SELECTED PREVIOUS INSPECTION FINDINGS.

IN THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN FIVE AREAS. FIVE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THREE AREAS: (FAILURE TO INSTRUCT WORKERS, FAILURE TO NOTIFY INDIVIDUALS OF EXPOSURE, FAILURE TO PROVIDE FORM NRC-4 INFORMATION, FAILURE TO PROVIDE FORM NRC-5 INFORMATION, AND FAILURE TO FOLLOW PROCEDURES).

INSPECTION CONDUCTED MARCH 4-8, 1985 (85-04)

ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S ENVIRONMENTAL MONITORING PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; AUDITS; PROGRAM CHANGES; RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM; METEOROLOGICAL MONITORING PROGRAM; FACILITIES, EQUIPMENT, AND SUPPLIES; ENVIRONMENTAL REPORTS, OPERATING MANUALS, AND PROCEDURES; QUALITY ASSURANCE PROGRAM; CONTRACTOR ACTIVITIES; AND REPORTABLE OCCURRENCES.

WITHIN THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* FORT CALHOUN 1 *

INSPECTION SUMMARY

INSPECTION CONDUCTED MARCH 1- APRIL 30, 1985 (85-06)

ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, AND OUTAGE ACTIVITIES.

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

ENFORCEMENT SUMMARY

10 CFR PART 20.102(B) REQUIRES, IN PART, THAT BEFORE PERMITTING ANY INDIVIDUAL IN A RESTRICTED AREA TO RECEIVE AN OCCUPATIONAL RADIATION DOSE IN EXCESS OF 1.25 REM WHOLE BODY EXPOSURE IN A CALENDAR QUARTER EACH LICENSEE SHALL: "CALCULATE ON FORM NRC-4.....,THE PERVIOUSLY ACCUMULATED OCCUPATIONAL DOSE RECEIVED BY THE INDIVIDUAL AND THE ADDITIONAL DOSE ALLOWED FOR THAT INDIVIDUAL UNDER 10 CFR PART 20.101(B)." CONTRARY TO THE ABOVE, AN NRC INSPECTOR DETERMINED ON MARCH 6, 1985, THAT FOUR INDIVIDUALS EXCEEDED THE 10 CFR PART 20.101(A) WHOLE BODY EXPOSURE LIMIT DURING 1984 WITHOUT HAVING CALCULATED AND RECORDED THE PERMISSIBLE LIFE TIME DOSE-WHOLE BODY REQUIRED BY SECTION 13 OF FORM NRC-4. 10 CFR PART 20.401(A) REQUIRES THAT: "EACH LICENSEE SHALL MAINTAIN RECORDS SHOWING THE RADIATION EXPOSURES OF ALL INDIVIDUALS FOR WHOM PERSONNEL MONITORING IS REQUIRED UNDER 10 CFR PART 20.202. SUCH RECORDS SHALL BE KEPT ON FORM NRC-5, IN ACCORDANCE WITH THE INSTRUCTIONS CONTAINED IN THAT FORM OR ON CLEAR AND LEGIBLE RECORDS CONTAINING ALL THE INFORMATION REQUIRED BY FORM NRC-5. THE DOSES ENTERED ON THE FORMS OR RECORDS SHALL BE FOR PERIODS OF TIME NOT EXCEEDING ONE CALENDAR QUARTER." CONTRARY TO THE ABOVE, AN NRC INSPECTOR DETERMINED ON MARCH 6, 1985, THAT THE LICENSEE'S EQUIVALENT FORM NRC-5 DID NOT CONTAIN ALL THE INFORMATION REQUIRED BY FORM NRC-5 IN THAT THE LICENSEE'S FORM DID NOT PROVIDE FOR INPUT AND CALCULATION OF THE UNUSED PART OF PERMISSIBLE ACCUMULATED LIFE TIME DOSE AS REQUIRED IN ITEMS 17 AND 18 OF FORM NRC-5. ALSO, THE LICENSEE'S EQUIVALENT FORM NRC-5 CONTAINS WHOLE BODY, SKIN AND EXTREMITY EXPOSURE DATA ON THE SAME FORM NRC-5 AND FOR PERIODS EXCEEDING ONE CALENDAR QUARTER WHICH IS IN VIOLATION OF 10 CFR PART 20.401 AND THE INSTRUCTIONS CONTAINED ON FORM NRC-5. 10 CFR PART 19.12 STATES, THAT: "ALL INDIVIDUALS WORKING IN OR FREQUENTING ANY PORTION OF A RESTRICTED AREA SHALL BE KEPT INFORMED OF THE HEALTH PROTECTION PROBLEMS ASSOCIATED WITH EXPOSURE TO SUCH RADIOACTIVE MATERIALS OR RADIATION, IN PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE, AND IN THE PURPOSES AND FUNCTIONS OF PROTECTIVE DEVICES EMPLOYED; AND SHALL BE ADVISED AS TO THE RADIATION EXPOSURE REPORTS WHICH WORKERS MAY REQUEST PURSUANT TO 10 CFR PART 19.13. THE EXTENT OF THESE INSTRUCTIONS SHALL BE COMMENSURATE WITH POTENTIAL RADIOLOGICAL HEALTH PROTECTION PROBLEMS IN THE RESTRICTED AREA." THE FCS UPDATED SAFETY ANALYSIS REPORT (USAR) STATES IN SECTION 1.2.1, "PLANT SITE," THAT THE RESTRICTED AREA AS DEFINED IN 10 CFR PART 20 IS THAT AREA BOUNDED BY THE SITE PROTECTED AREA FENCE, AS DEPICTED IN FIGURE 1.2-2 OF THE USAR. CONTRARY TO THE ABOVE, AN NRC INSPECTOR DETERMINED ON MARCH 4, 1985, THAT THE LICENSEE HAD NOT PROVIDED APPROPRIATE RADIATION PROTECTION INSTRUCTIONS TO APPROXIMATELY 140 WORKERS CURRENTLY BADGED TO ENTER THE RESTRICTED AREA. (8500 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

INSPECTION STATUS - (CONTINUED)

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*****
*      FORT CALHOUN 1      *
*****

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PLANT STATUS:

INSPECTION REPORT NO: 50-285/85-06

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-021 REV 1	10/17/84	5/2/85	LOW BORON CONCENTRATION IN SAFETY INJECTION & REFUELING WATER TANK
85-001 R0	3/3/85	4/2/85	VIAS ACTUATION
85-002 R0	3/6/85	4/8/85	VIAS ACTUATION
85-003 R0	3/21/85	4/19/85	RM-061 VIAS ACTUATION

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 842

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

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

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

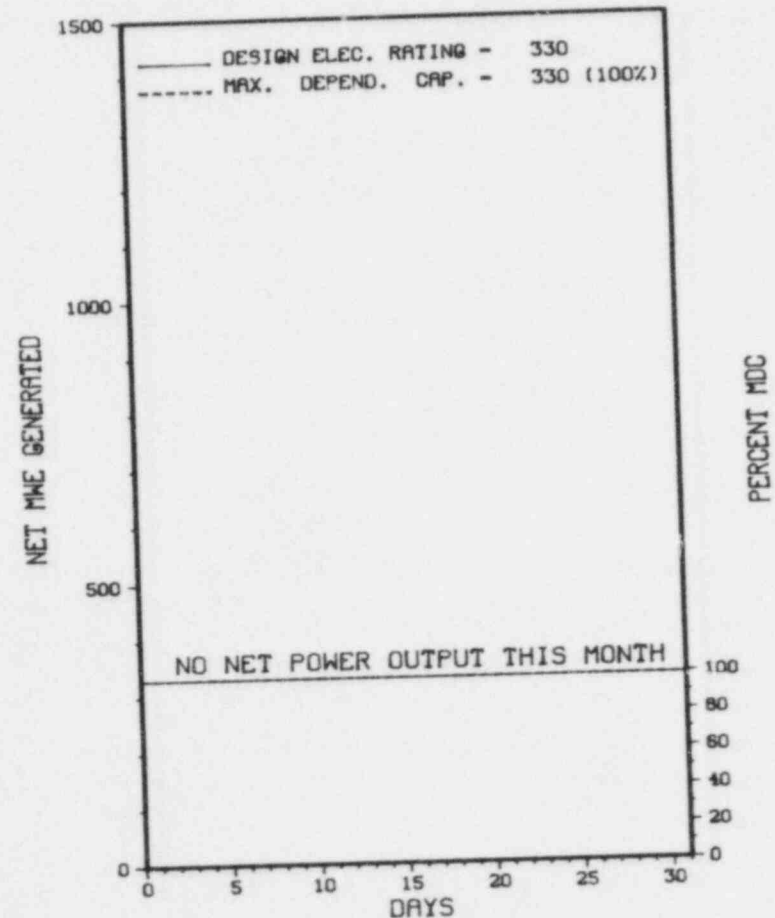
11. Reasons for Restrictions, If Any: _____
B-O STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>51,888.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>27,151.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>18,463.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>9,709,799</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-2,199</u>	<u>-10,247</u>	<u>2,918,005</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>35.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>35.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>17.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>17.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>51.9</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,623.0</u>	<u>19,952.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>07/01/85</u>			

 * FORT ST VRAIN *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-006	07/01/84	F	744.0	A	3	84-008	AA	JC	CONTROL ROD DRIVE REFURBISHMENT AND CIRCULATOR CHANGEOUT CONTINUES.

* SUMMARY *

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

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

* FORT ST VRAIN *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

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

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...S. PLATTE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

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

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

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....G. PLUMLEE

LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-267

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

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

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

ADMINISTRATIVE PROCEDURE G-2 REQUIRES APPROVAL SIGNATURES OF MANAGERS OUTSIDE OF QA ON 16 OF 18 ADMINISTRATIVE Q PROCEDURES THIS CONDITION FOSTERS DELAYS THAT WERE FOUND IN QA ISSUING REVISIONS TO THEIR Q PROCEDURES. THIS VIOLATES THE INDEPENDENCE OF THE QA ORGANIZATION REQUIRED BY 10 CFR 50 APPENDIX B, CRITERION I. THE DELAYS THEMSELVES VIOLATE CRITERION XVI.
(8500 4)

10 CFR PART 71.115(A), SUBPART H, STATES, IN PART "THE LICENSEE SHALL ESTABLISH MEASURES TO ASSURE THAT PURCHASED MATERIAL, EQUIPMENT,..... CONFORM TO THE PROCUREMENT DOCUMENTS. THESE MEASURES MUST INCLUDE....., AND EXAMINATION OF PRODUCTS UPON DELIVERY."

IN ADDITION, FORT ST.VRAIN ADMINISTRATIVE PROCEDURE Q-7, "CONTROL OF PROCURED MATERIALS AND SERVICES," PARAGRAPH 4.4.1, "MATERIAL RECEIVING," STATES, IN PART, "ALL QUALITY RELATED ITEMS OR EQUIPMENT INCLUDING PURCHASES....., SHALL REQUIRE A RECEIVING INSPECTION." CONTRARY TO THE ABOVE, THE NRC INSPECTOR DETERMINED ON APRIL 18, 1985, THAT THE LICENSEE HAD RECEIVED BURIAL CANISTERS, INCLUDED WITH THE CERTIFICATION OF AN NRC TYPE B SHIPPING CASK, AND HAD NOT PERFORMED A QUALITY ASSURANCE RECEIPT INSPECTION OF BURIAL CANISTERS. 10 CFR PART 71.109, SUBPART H, "QUALITY ASSURANCE," CONCERNING QUALITY ASSURANCE REQUIREMENTS APPLYING TO DESIGN, PURCHASE, AND FABRICATION OF RADIOACTIVE MATERIAL TRANSPORTATION PACKAGES, STATES IN PART, "THE LICENSEE SHALL

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* FORT ST VRAIN *

ENFORCEMENT SUMMARY

ESTABLISH MEASURES TO ASSURE ADEQUATE QUALITY IS REQUIRED IN DOCUMENTS FOR PROCUREMENT OF MATERIAL, EQUIPMENT,....." IN ADDITION, FORT ST. VRAIN ADMINISTRATIVE PROCEDURE Q-4, "PROCUREMENT DOCUMENT CONTROL," PARAGRAPH 4.8.2, STATES, "REVISIONS TO THE PO (PURCHASE ORDER) THAT DO NOT AFFECT THE TECHNICAL OR QUALITY REQUIREMENTS WHICH IS FOR PURCHASE ORDER CLARIFICATION PURPOSES ONLY, MAY BE GENERATED BY A BUYER'S MEMO." CONTRARY TO THE ABOVE, THE NRC INSPECTOR DETERMINED ON APRIL 18, 1985, THAT MATERIALS AND EQUIPMENT USED IN THE CONSTRUCTION OF AN NRC CERTIFIED TYPE B PACKAGE WERE PURCHASED BY MEMORANDUM DATED OCTOBER 8, 1982. FURTHERMORE, THE PURCHASE ORDER WAS NOT PROVIDED A QUALITY ASSURANCE REVIEW.
(8501 4)

THE AUTHORIZATION SHEET TO REWORK TASK 1 OF FHPWP-100-11 HAD NOT BEEN FILLED OUT OR SIGNED BY THE SHIFT MANAGER AND HEALTH PHYSICS PRIOR TO STARTING WORK. STEP 11.0 OF THAT REWORK TASK ALSO WAS NOT SIGNED BY HEALTH PHYSICS. TASK 42 OF FHPWP-100.39 WAS COMPLETED WITHOUT THE HEALTH PHYSICS NOTIFICATION SIGNATURE REQUIRED IN STEP 42.0. TASK 15 OF FHPWP-100-39 WAS SIGNED OUT AT 5:00 AM ON APRIL 17, 1985 AND NOT SIGNED IN BY THE END OF THE SHIFT AS REQUIRED BY THAT PROCEDURE. THIS VIOLATES 10 CFR 50, APPENDIX B, CRITERION V AND ADMINISTRATIVE PROCEDURE G-2.
(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

"A" HELIUM CIRCULATOR HAS BEEN INSTALLED AND "B" HELIUM CIRCULATOR IS BEING REMOVED DUE TO CIRCULATOR BOLTING STRESS CORROSION CRACKING AS IDENTIFIED IN LER 85-002.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REACTOR IS IN A REFUELING MODE FOR CRD REFURBISHMENT

LAST IE SITE INSPECTION DATE: MARCH 4-8, 1985

INSPECTION REPORT NO: 50-267/85-05

REPORTS FROM LICENSEE

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

NONE			
=====			

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,623.0	135,983.0
13. Hours Reactor Critical	744.0	2,742.9	103,191.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,687.7
15. Hrs Generator On-Line	744.0	2,632.0	100,923.6
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	1,126,704	3,860,544	140,145,905
18. Gross Elec Ener (MWH)	381,286	1,289,044	45,774,452
19. Net Elec Ener (MWH)	363,323	1,224,437	43,407,459
20. Unit Service Factor	100.0	72.6	74.2
21. Unit Avail Factor	100.0	72.6	74.2
22. Unit Cap Factor (MDC Net)	103.9	71.9	69.6
23. Unit Cap Factor (DER Net)	103.9	71.9	69.6*
24. Unit Forced Outage Rate	.0	2.9	7.4
25. Forced Outage Hours	.0	78.0	4,177.0
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):			
NONE			

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

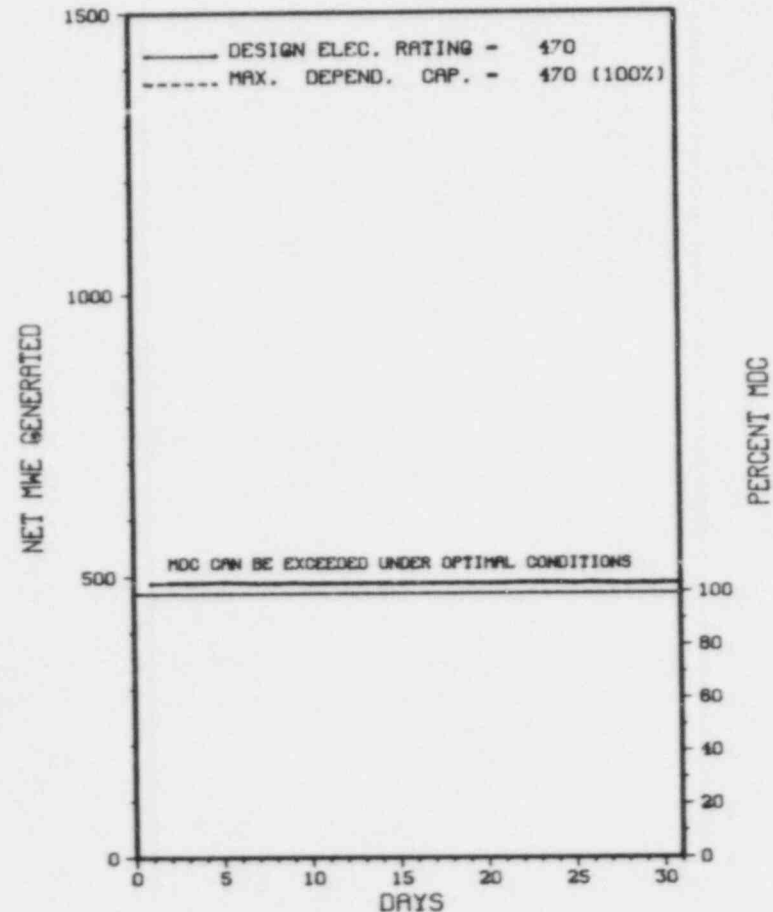
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*****
*               GINNA               *
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AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

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

***** GINNA OPERATED AT FULL POWER DURING THE MAY REPORT PERIOD.

* SUMMARY *

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

* GINNA *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WAYNE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 8, 1969

DATE ELEC ENER 1ST GENER...DECEMBER 2, 1969

DATE COMMERCIAL OPERATE...JULY 1, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC

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

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. COOK

LICENSING PROJ MANAGER.....C. MILLER
DOCKET NUMBER.....50-244

LICENSE & DATE ISSUANCE...DPR-18, DECEMBER 10, 1984

PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14604

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1985

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

* GINNA *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3833

5. Nameplate Rating (Gross MWe): 1372

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:

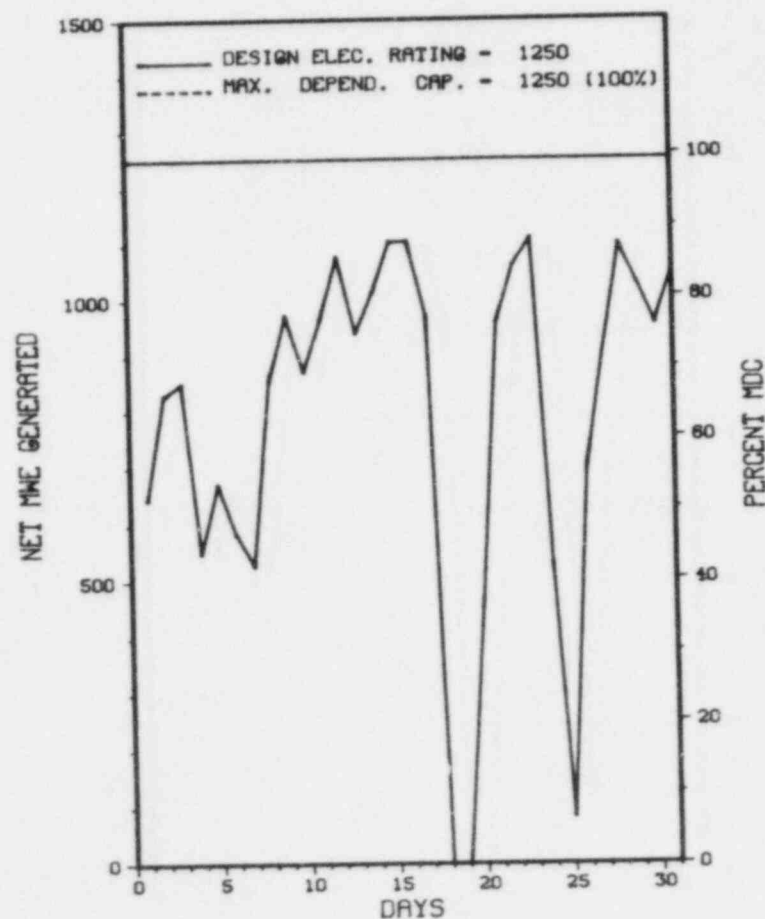
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>5,360.0</u>
13. Hours Reactor Critical	<u>698.1</u>	<u>2,208.7</u>	<u>3,218.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>665.0</u>	<u>1,787.0</u>	<u>2,490.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,030,427</u>	<u>4,421,460</u>	<u>5,301,600</u>
18. Gross Elec Ener (MWH)	<u>617,300</u>	<u>1,247,720</u>	<u>1,494,240</u>
19. Net Elec Ener (MWH)	<u>586,253</u>	<u>1,198,401</u>	<u>1,363,382</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>24.9</u>	<u>1,431.3</u>	<u>2,195.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>FALL OUTAGE, OCTOBER 11, 1985, 49 DAYS.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-12	05/17/85	S	54.1	B	3		ZZ	ZZZZZZ	100% LOAD REJECT TEST.
85-13	05/24/85	F	24.9	G	3	85-020	ZZ	ZZZZZZ	A LOSS OF POWER TO A NONSAFETY RELATED BUS DURING BREAKER TESTING RESULTED IN A TRIP OF A REACTOR RECIRCULATION PUMP AND THE MAIN TURBINE. THE REACTOR SCRAMMED IN RESPONSE TO THE TURBINE TRIP.

***** GRAND GULF 1 OPERATED WITH 2 OUTAGES DURING MAY.

* SUMMARY *

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

* GRAND GULF 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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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...*****
CONDENSER COOLING METHOD...CCHNDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

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UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 16-26 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 73 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING AND REVIEWING STARTUP TESTING, INDEPENDENT INSPECTION EFFORT, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 17-18 (85-13): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE CORRECTIVE ACTIONS TAKEN BY THE LICENSEE AFTER AN EVENT OF CROSS CONTAMINATION OF THE PLANT SERVICE AIR SYSTEM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 12 - MAY 17 (85-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 197 RESIDENT INSPECTOR-HOURS AND 40 REGIONAL BASED INSPECTOR-HOURS AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, STARTUP TESTING, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, INDEPENDENT INSPECTION, AND VALIDATION OF PERFORMANCE BASED TRAINING REVIEW PROCEDURES. OF THE EIGHT AREAS INSPECTED, NO APPARENT VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X          GRAND CULF 1          X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

CONDUCTING POWER ASCENSION TESTING.

LAST IE SITE INSPECTION DATE: APRIL 12 - MAY 17, 1985 +

INSPECTION REPORT NO: 50-416/85-14 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	03/06/85	04/06/85	SHUTDOWN COOLING ISOLATION. A SPURIOUS TRIP SINGAL ISOLATED THE SHUTDOWN COOLING SYSTEM.
85-014	04/01/85	05/01/85	T.S. ACTION STATEMENT NOT MET, MAIN STEAM LINE HIGH FLOW ISOLATION ACTUATION INSTRUMENT WAS REMOVED FROM SERVICE LONGER THAN THE 2 HOUR TIME.
85-016	04/07/85	05/07/85	REACTOR SCRAM DUE TO MAIN STEAM LINE ISOLATION, A FAULTY PRESSURE TRANSMITTER PRODUCED AN ERRONEOUS ISOLATION.
85-018	04/14/85	05/14/85	REACTOR HIGH LEVEL SCRAM, AN ERROR EXISTED IN PROCEDURE WHICH RESULTED IN THE TRANSFER OF RECIRCULATION PUMPS TO SLOW SPEED.

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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

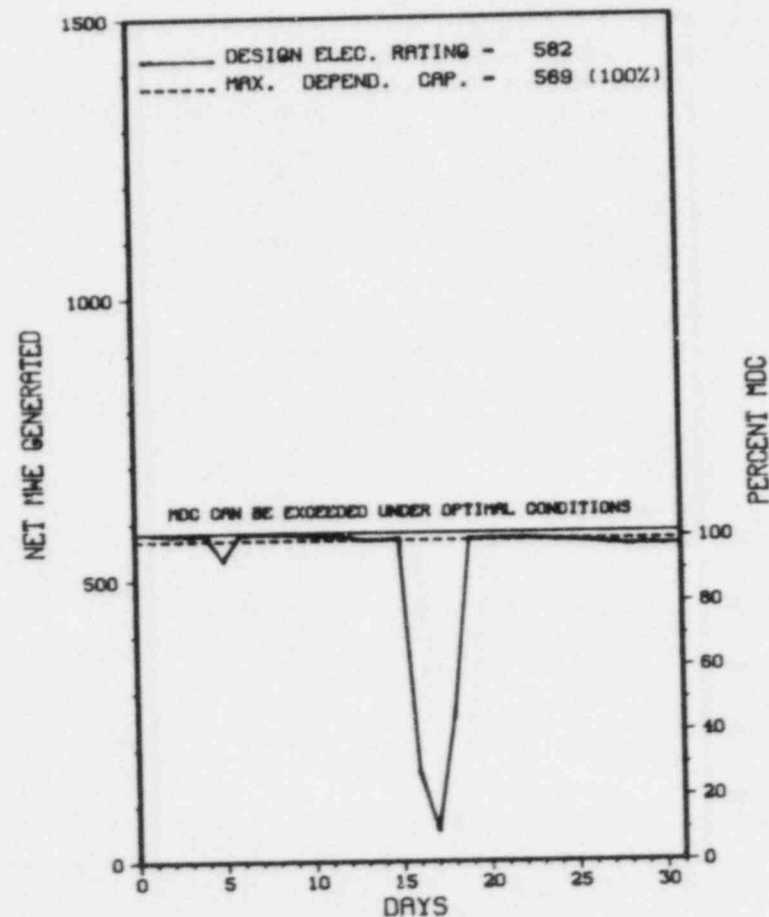
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>152,663.0</u>
13. Hours Reactor Critical	<u>730.9</u>	<u>3,589.8</u>	<u>131,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>723.6</u>	<u>3,566.2</u>	<u>125,769.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>1,265,872</u>	<u>6,275,863</u>	<u>218,463,046</u>
18. Gross Elec Ener (MWH)	<u>413,620</u>	<u>2,086,387</u>	<u>71,745,106</u>
19. Net Elec Ener (MWH)	<u>393,931</u>	<u>1,989,371</u>	<u>68,252,362</u>
20. Unit Service Factor	<u>97.3</u>	<u>98.4</u>	<u>82.4</u>
21. Unit Avail Factor	<u>97.3</u>	<u>98.4</u>	<u>82.6</u>
22. Unit Cap Factor (MDC Net)	<u>93.1</u>	<u>96.5</u>	<u>82.2*</u>
23. Unit Cap Factor (DER Net)	<u>91.0</u>	<u>94.3</u>	<u>76.9*</u>
24. Unit Forced Outage Rate	<u>2.7</u>	<u>1.6</u>	<u>5.8</u>
25. Forced Outage Hours	<u>20.4</u>	<u>56.8</u>	<u>1,244.9</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * HADDAM NECK *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 HADDAM NECK



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-04	05/16/85	F	20.4	A	2	85-011	RB	CONROD	CONTROL ROD DIFFICULTIES. OCCURRENCE NOT RELATED TO ANY FAILED COMPONENT OR REPEATABLE ACTION. IMMEDIATE TROUBLESHOOTING FAILED TO DETERMINE THE EXACT CAUSE OF THE FAILURE. VENDOR SPECIALISTS ANALYZING FAILURE.

 * SUMMARY *

 CONNECTICUT YANKEE HADDAM NECK OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE IN 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-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)

* HADDAM NECK *

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

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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 1985

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

* HADDAM NECK *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: MARK S. BOONE (912) 367-7851

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 752

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>82,535.0</u>
13. Hours Reactor Critical	<u>699.2</u>	<u>3,001.1</u>	<u>58,145.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>675.9</u>	<u>2,884.7</u>	<u>54,752.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,592,808</u>	<u>6,380,256</u>	<u>115,560,010</u>
18. Gross Elec Ener (MWH)	<u>522,200</u>	<u>2,100,800</u>	<u>37,347,330</u>
19. Net Elec Ener (MWH)	<u>499,320</u>	<u>2,005,928</u>	<u>35,453,738</u>
20. Unit Service Factor	<u>90.8</u>	<u>79.6</u>	<u>66.3</u>
21. Unit Avail Factor	<u>90.8</u>	<u>79.6</u>	<u>66.3</u>
22. Unit Cap Factor (MDC Net)	<u>89.2</u>	<u>73.6</u>	<u>57.1</u>
23. Unit Cap Factor (DER Net)	<u>86.4</u>	<u>71.3</u>	<u>55.3</u>
24. Unit Forced Outage Rate	<u>9.2</u>	<u>13.7</u>	<u>15.8</u>
25. Forced Outage Hours	<u>68.1</u>	<u>456.7</u>	<u>10,034.3</u>

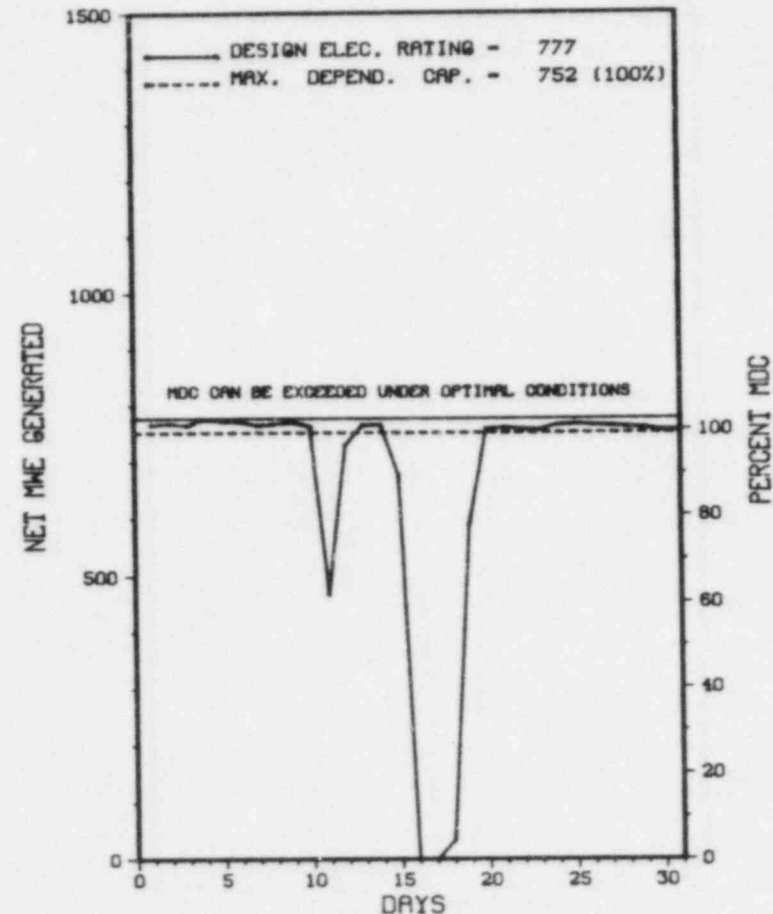
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-42	05/10/85	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING.
85-43	05/10/85	F	0.0	A	5		CB	PUMPXX	RECIRC 'A' PUMP TRIP.
85-44	05/15/85	F	68.1	G	2	1-85-18	AB	XXXXXX	SRV VALVE STUCK OPEN AS RESULT OF MAINTENANCE ERROR. CRANE OPERATOR WAS RESPONSIBLE FOR DISRUPTING DELUGE GAUGE ON FIRE PROTECTION SYSTEM WHICH LEAKED WATER INTO CONTROL ROOM AND ATTS PANELS.
85-4	05/18/85	S	0.0	B	5		AB	XXXXXX	RECOVERY FROM ABOVE SCRAM. RAMPING TO RATED POWER.

 * SUMMARY *

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

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 1985

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974
DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1974
DATE COMMERCIAL OPERATE...DECEMBER 31, 1975
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 23 -APRIL 27 (85-10): THIS INSPECTION INVOLVED 78 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, REFUELING (UNIT 2), AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (IMPROPER VALVE LINEUP, PARAGRAPH 5; AND FAILURE TO PROPERLY IMPLEMENT A PROCEDURE, PARAGRAPH 11).

INSPECTION APRIL 29 - MAY 3 (85-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, MEASURING AND TEST EQUIPMENT PROGRAM, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. TWO VIOLATIONS WERE IDENTIFIED - NONCOMPLIANCE WITH UNIT 1 TECHNICAL SPECIFICATION SURVEILLANCE TEST FREQUENCIES AND INADEQUATE CALIBRATION PROCEDURES IN THE MAINTENANCE TOOL SHOP.

INSPECTION APRIL 29 - MAY 3 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-10 (85-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1 AND 2) AND LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTER (UNIT 1). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* HATCH 1 *

ENFORCEMENT SUMMARY

REVIEW OF LICENSEE EVENT REPORTS REVEALED THREE CASES WHERE PERSONNEL ERROR RESULTED IN TECHNICAL SPECIFICATION (T.S.) NON-COMPLIANCE. IN UNIT 1, SWITCHES WERE MISTAGGED REVISING SETTING OF A CLEARANCE RESULTING IN DISABLING OF THE TIP BALL VALVES ABILITY TO SHUT ON A PRIMARY CONTAINMENT ISOLATION SIGNAL. ALSO IN UNIT 1, THE MONTHLY SURVEILLANCE FOR RCIC PUMP SUCTION PRESSURE INSTRUMENT WAS PERFORMED ONE WEEK LATE DUE TO PERSONNEL ERROR. IN UNIT 2, A RCIC DIFFERENTIAL PRESSURE INSTRUMENT WAS SET SCALESIDE T.S. LIMITS DUE TO AN ENGINEERING ERROR IN THE COMPLIANCE OF HEAD CORRECTION. NO PROCEDURE WAS ESTABLISHED TO IMPLEMENT THE MINIMUM PRESSURE - TEMPERATURE RELATIONSHIP FOR HYDROSTATIC TEST, NON-NUCLEAR HEATUP OR COOLDOWN AND CRITICAL OPERATIONS AS REQUIRED BY T.S. 3.6.B. A REVIEW OF TECHNICAL SPECIFICATIONS SURVEILLANCE REQUIREMENTS REVEALED THAT PROCEDURES WERE NOT ESTABLISHED FOR PERMANENT RECORDING OF TEMPERATURES REQUIRED BY TECHNICAL SPECIFICATION (TS) UNIT 1 4.60 AND 4.6E. ALSO NO PROCEDURE WAS ESTABLISHED THAT IMPLEMENTED THE VERIFICATION OF COOLANT PRESSURE AND TEMPERATURE EVERY 30 MINUTES DURING REACTOR COOLANT HEATUP AND COOLDOWN FOR TS UNIT 1 4.6A AND UNIT 2 4.6.1.1. UNIT 2 - NO PROCEDURE WAS ESTABLISHED WHICH REQUIRED THE VERIFICATION OF REACTOR COOLANT TEMPERATURE WITHIN 15 MINUTES OF WITHDRAWAL OF CONTROL RODS TO BRING THE REACTOR CRITICAL AS REQUIRED BY T.S. 4.4.6.1.2. REVIEW OF LICENSEE EVENT REPORTS REVEALED THREE CASES WHERE PERSONNEL ERROR RESULTED IN TECHNICAL SPECIFICATION (T.S.) NON-COMPLIANCE. IN UNIT 1, SWITCHES WERE MISTAGGED REVISING SETTING OF B CLEARANCE RESULTING IN DISABLING OF THE TIP BALL VALVES ABILITY TO SHUT ON B PRIMARY CONTAINMENT ISOLATION SIGNAL. ALSO IN UNIT 1, THE MONTHLY SURVEILLANCE FOR RCIC PUMP SUCTION PRESSURE INSTRUMENT WAS PERFORMED ONE WEEK LATE DUE TO PERSONNEL ERROR. IN UNIT 2, B RCIC DIFFERENTIAL PRESSURE INSTRUMENT WAS SET SCALESIDE T.S. LIMITS DUE TO AN ENGINEERING ERROR IN THE COMPLIANCE OF HEAD CORRECTION. A REVIEW OF TECHNICAL SPECIFICATIONS SURVEILLANCE REQUIREMENTS REVEALED THAT PROCEDURES WERE NOT ESTABLISHED FOR PERMANENT RECORDING OF TEMPERATURES REQUIRED BY TECHNICAL SPECIFICATION (TS) UNIT 1 4.60 AND 4.6E. ALSO NO PROCEDURE WAS ESTABLISHED THAT IMPLEMENTED THE VERIFICATION OF COOLANT PRESSURE AND TEMPERATURE EVERY 30 MINUTES DURING REACTOR COOLANT HEATUP AND COOLDOWN FOR TS UNIT 1 4.6A AND UNIT 2 4.6.1.1. UNIT 2 - NO PROCEDURE WAS ESTABLISHED WHICH REQUIRED THE VERIFICATION OF REACTOR COOLANT TEMPERATURE WITHIN 15 MINUTES OF WITHDRAWAL OF CONTROL RODS TO BRING THE REACTOR CRITICAL AS REQUIRED BY T.S. 4.4.6.1.2. 10 CFR 50, APPENDIX B, CRITERION 1 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS OR PROCEDURES. CONTRARY TO THE ABOVE, ON MAY 14, 1985, WITH THE PLANT IN THE REFUELING MODE, AN UNPLANNED RELEASE OF RADIOACTIVE GAS OCCURRED WHEN AN UNPROCEDURED MAINTENANCE ACTIVITY WAS PERFORMED ON A REACTOR COOLANT PUMP.

10 CFR 20.101(A) LIMITS WORKERS AT LICENSEE FACILITIES TO A WHOLE BODY EXPOSURE OF 1.25 REMS IN ONE CALENDAR QUARTER WITHOUT A COMPLETED FORM NRC-4. CONTRARY TO THE ABOVE, A WORKER AT THE KEWAUNEE NUCLEAR POWER PLANT RECEIVED A WHOLE BODY EXPOSURE OF 1.46 REMS FROM FEBRUARY 11 THROUGH 28, 1985. NO FORM NRC-4 WAS COMPLETED AT THE TIME OF EXPOSURE. (8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING AT 100%

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

INSPECTION REPORT NO: 50-321/85-14 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-015	03/21/85	04/19/85	INCORRECT WIRING ON IT41-F011A, PLANT PERSONNEL CORRECTED THE WIRING DEFICIENCIES.

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: MARK S. BOONE (912) 367-7851

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 804

8. Maximum Dependable Capacity (Net MWe): 748

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

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

11. Reasons for Restrictions, If Any: NONE

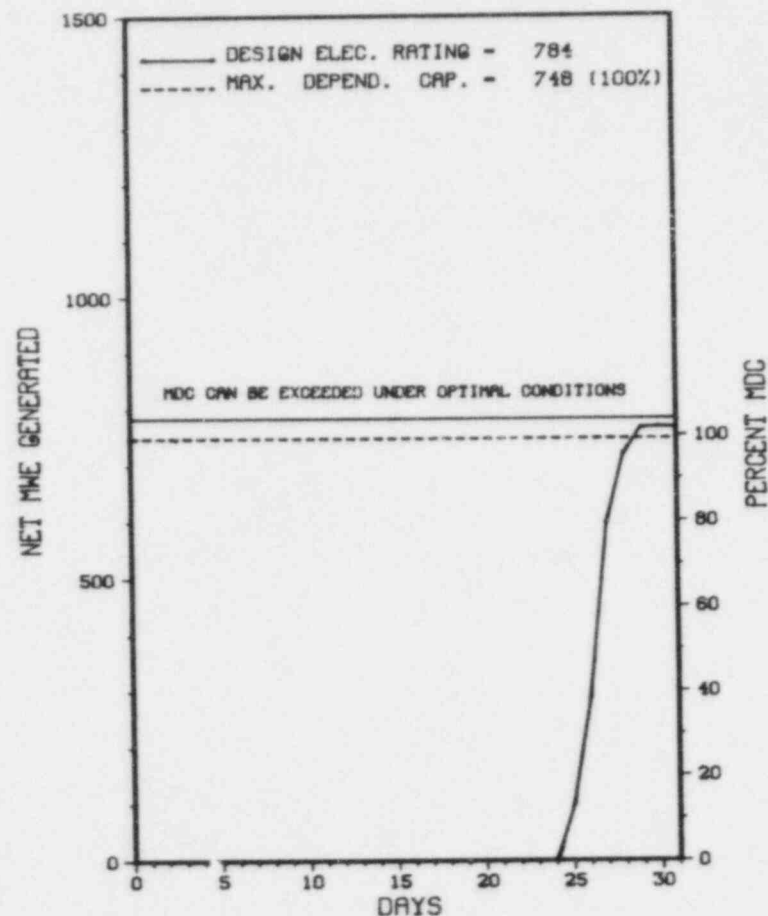
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>50,304.0</u>
13. Hours Reactor Critical	<u>220.1</u>	<u>2,402.9</u>	<u>32,750.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>161.6</u>	<u>2,334.9</u>	<u>31,102.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>316,368</u>	<u>5,399,256</u>	<u>66,950,879</u>
18. Gross Elec Ener (MWH)	<u>101,010</u>	<u>1,802,770</u>	<u>22,095,820</u>
19. Net Elec Ener (MWH)	<u>92,288</u>	<u>1,719,758</u>	<u>21,013,825</u>
20. Unit Service Factor	<u>21.7</u>	<u>64.4</u>	<u>61.8</u>
21. Unit Avail Factor	<u>21.7</u>	<u>64.4</u>	<u>61.8</u>
22. Unit Cap Factor (MDC Net)	<u>16.6</u>	<u>63.5</u>	<u>55.8</u>
23. Unit Cap Factor (DER Net)	<u>15.8</u>	<u>60.5</u>	<u>53.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.2</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>102.7</u>	<u>3,767.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * HATCH 2 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-27	04/05/85	S	581.8	C	4		RC	FUELXX	UNIT REFUELING OUTAGE.
85-28	05/25/85	S	0.0	B	5		RC	FUELXX	NORMAL STARTUP FROM UNIT REFUELING OUTAGE.
85-29	05/25/85	S	0.6	B	3		HA	TURBIN	TURBINE TRIP DURING TURBINE OVERSPEED TESTING.
85-30	05/25/85	S	0.0	B	5		RC	FUELXX	STARTUP FOLLOWING TURBINE OVERSPEED TESTING. RAMPING TO RATED POWER.

 * SUMMARY *

HATCH 2 RETURNED ONLINE FROM REFUELING ON MAY 25TH AND OPERATED WITH 1 ADDITIONAL OUTAGE AND 2 REDUCTIONS DURING THE REMAINDER OF MAY.

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

* HATCH 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 4, 1978

DATE ELEC ENER 1ST GENER...SEPTEMBER 22, 1978

DATE COMMERCIAL OPERATE...SEPTEMBER 5, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....P. HOLMES RAY

LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-366

LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978

PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION MARCH 23 -APRIL 27 (85-10): THIS INSPECTION INVOLVED 78 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, REFUELING (UNIT 2), AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (IMPROPER VALVE LINEUP, PARAGRAPH 5; AND FAILURE TO PROPERLY IMPLEMENT A PROCEDURE, PARAGRAPH 11).

INSPECTION APRIL 29 - MAY 3 (85-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, MEASURING AND TEST EQUIPMENT PROGRAM, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. TWO VIOLATIONS WERE IDENTIFIED - NONCOMPLIANCE WITH UNIT 1 TECHNICAL SPECIFICATION SURVEILLANCE TEST FREQUENCIES AND INADEQUATE CALIBRATION PROCEDURES IN THE MAINTENANCE TOOL SHOP.

INSPECTION APRIL 29 - MAY 3 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 6-10 (85-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) (UNIT 1 AND 2) AND LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTER (UNIT 1). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION STATUS - (CONTINUED)

PAGE 2-155

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-005	03/29/85	04/26/85	PROCEDURE CONTAINS ACCEPTANCE THAT DO NOT SATISFY T.S.
85-008	04/20/85	05/20/85	ESF ACTUATION, HIGH DIFFERENTIAL FLOW IS BELIEVED TO BE THE RESULT OF FLOW FLUCTUATION DURING THE VALVING.
85-009	03/19/85	04/18/85	INADVERTENT RCIC ISOLATION, A PLANT EMPLOYEE INADVERTENTLY BUMPED RELAY.
85-010	04/09/85	05/03/85	FAILURE TO VALVES TO PASS LOCAL LEAK RATE TEST, VALVES WILL BE REPAIRED AND TESTED.
85-011	04/01/85	05/01/85	COMMUNICATION ERROR ON A PROCESS RADIATION MONITOR SETPOINT, DUE TO A COMMUNICATION ERROR BETWEEN I&C & HP PERSONNEL.
85-012	04/09/85	05/06/85	UNPLANNED ACTUATION OF RPS LOGIC CHANNELS, RADIATION DETECTOR FAILED DUE TO ITS PWR CABLE BEING SATURATED WITH WATER.
85-013	04/11/85	05/02/85	FULL REACTOR SCRAM FROM SRM HI-HI, DUE TO ELECTRICAL NOISE.
85-015	04/15/85	05/13/85	REACTOR PROTECTION LOGIC ACTUATION DUE TO SPURIOUS NOISE, NO EFFECTIVE METHOD OF PREVENTING SPURIOUS ELECTRICAL NOISE.

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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: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 849

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

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

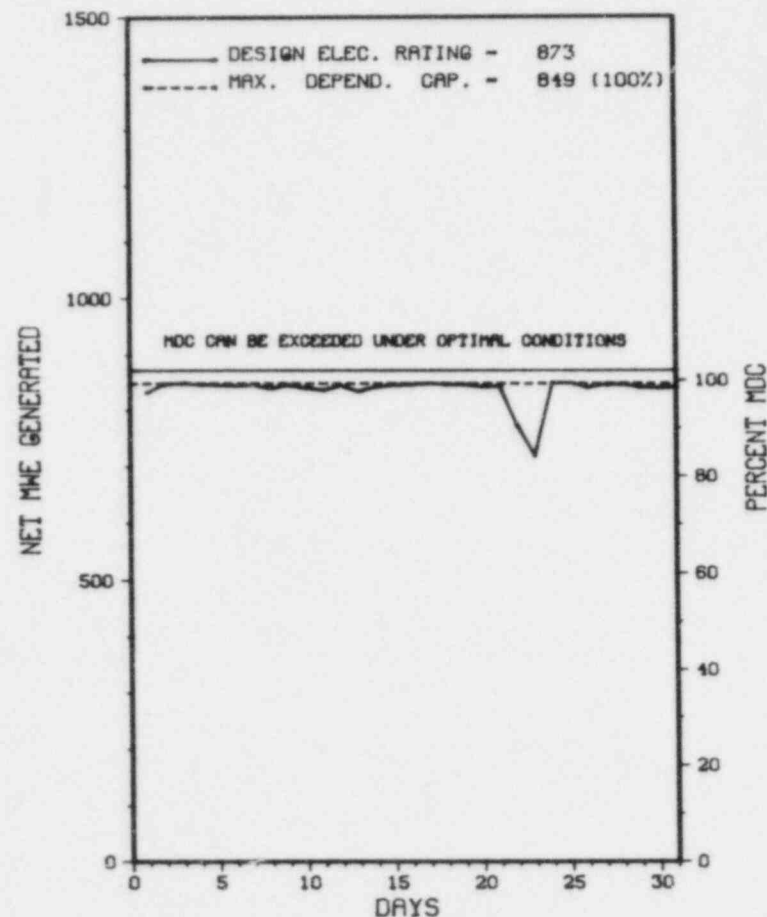
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>95,712.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,554.4</u>	<u>64,220.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>28.7</u>	<u>2,373.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,482.3</u>	<u>62,232.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,040,317</u>	<u>9,425,188</u>	<u>162,137,443</u>
18. Gross Elec Ener (MWH)	<u>645,730</u>	<u>2,992,550</u>	<u>50,310,166</u>
19. Net Elec Ener (MWH)	<u>623,470</u>	<u>2,884,499</u>	<u>47,398,318</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.1</u>	<u>65.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.1</u>	<u>65.0</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>92.8</u>	<u>58.4*</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>91.2</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.9</u>	<u>9.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>140.7</u>	<u>6,309.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



MAY 1985

* Item calculated with a Weighted Average

PAGE 2-15x

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	05/22/85	S	0.0	B	5		CH	VALVEX	TURBINE VALVE TESTING.

 * SUMMARY *

INDIAN POINT 2 OPERATED AT OR NEAR FULL POWER WITH 1 REDUCTION FOR TESTING IN 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-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-0161)

* INDIAN POINT 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 22, 1973

DATE ELEC ENER 1ST GENER...JUNE 25, 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.....D. NEIGHBORS

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-247

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

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100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

INSPECTION STATUS - (CONTINUED)

* INDIAN POINT 2 *

MANAGERIAL ITEMS:

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

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

2. Reporting Period: 05/01/85 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):

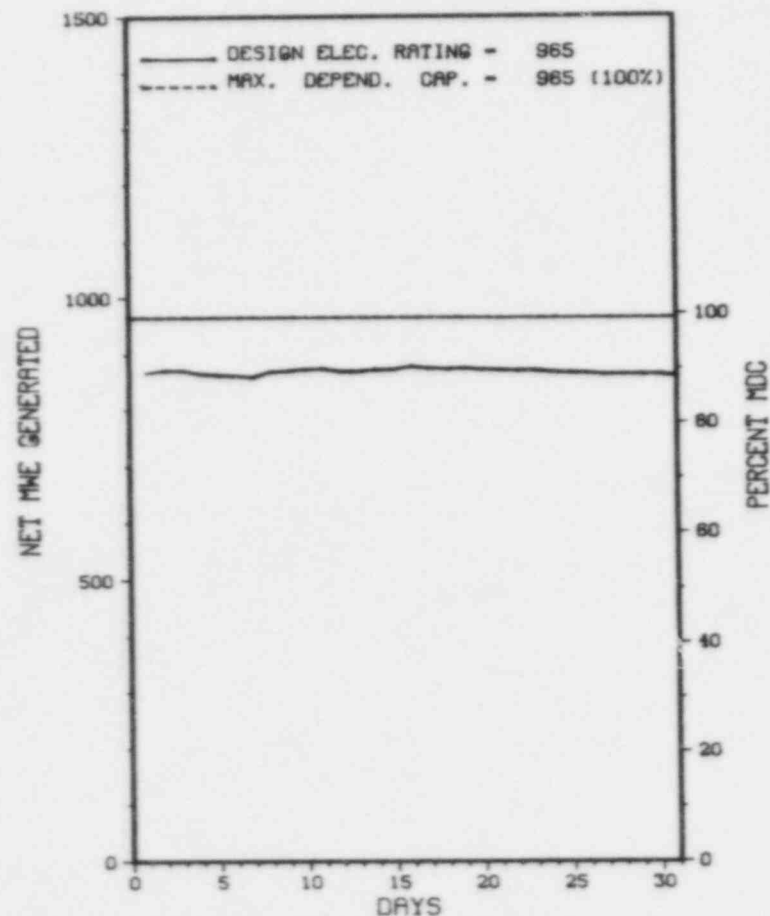
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>76,728.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,564.6</u>	<u>44,930.7</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>3,541.4</u>	<u>43,389.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,047,006</u>	<u>9,789,659</u>	<u>113,438,795</u>
18. Gross Elec Ener (MWH)	<u>671,560</u>	<u>3,213,380</u>	<u>35,855,546</u>
19. Net Elec Ener (MWH)	<u>646,460</u>	<u>3,090,460</u>	<u>34,376,328</u>
20. Unit Service Factor	<u>100.0</u>	<u>97.7</u>	<u>56.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>97.7</u>	<u>56.6</u>
22. Unit Cap Factor (MDC Net)	<u>90.0</u>	<u>88.4</u>	<u>46.4</u>
23. Unit Cap Factor (DER Net)	<u>90.0</u>	<u>88.4</u>	<u>46.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.3</u>	<u>20.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>81.6</u>	<u>11,148.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>CYCLE 4/5 REFUELING OUTAGE (EST. 6/8/85).</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

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

NONE

* SUMMARY *

INDIAN POINT 3 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING MAY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 6, 1976
DATE ELEC ENER 1ST GENER...APRIL 27, 1976
DATE COMMERCIAL OPERATE....AUGUST 30, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

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

* INDIAN POINT 3 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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>3,623.0</u>	<u>96,072.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,160.3</u>	<u>80,910.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,123.7</u>	<u>79,464.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,212,434</u>	<u>3,390,482</u>	<u>124,457,606</u>
18. Gross Elec Ener (MWH)	<u>404,900</u>	<u>1,132,300</u>	<u>40,989,600</u>
19. Net Elec Ener (MWH)	<u>385,795</u>	<u>1,079,302</u>	<u>39,021,338</u>
20. Unit Service Factor	<u>100.0</u>	<u>58.6</u>	<u>82.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>58.6</u>	<u>82.7</u>
22. Unit Cap Factor (MDC Net)	<u>103.1</u>	<u>59.2</u>	<u>78.3*</u>
23. Unit Cap Factor (DER Net)	<u>96.9</u>	<u>55.7</u>	<u>75.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,745.4</u>

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

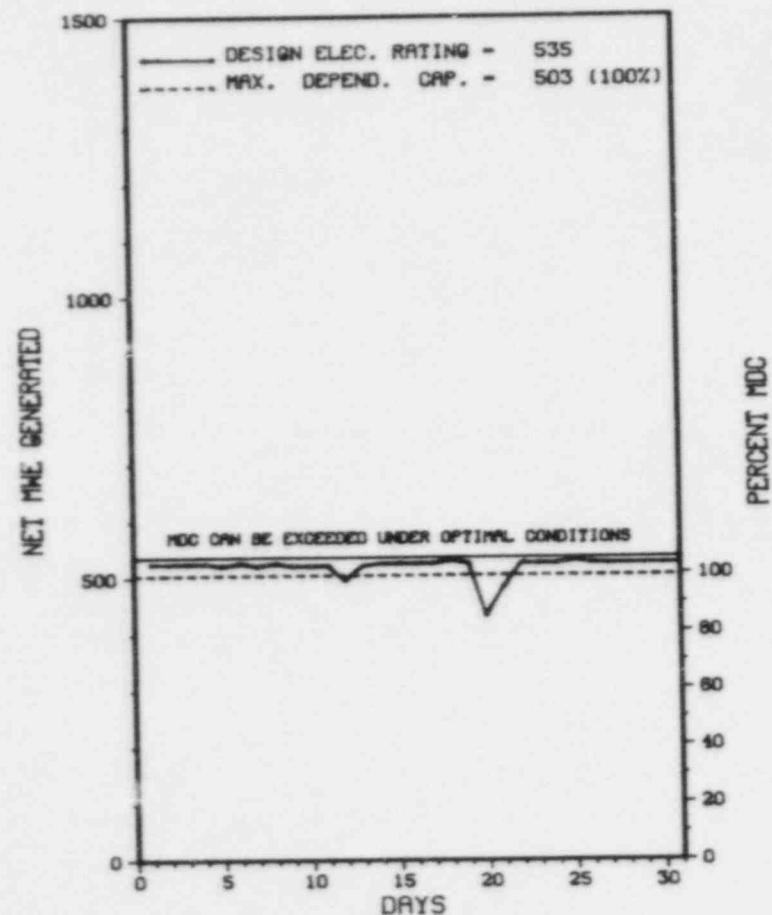
NONE

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * KEWAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	05/20/85	F	0.0	B	5		HH	FILTER	UNIT LOAD WAS REDUCED TO 50%, 264 MW GROSS, TO PERMIT CLEANING OF THE CONDENSATE PUMP SUCTION STRAINERS DUE TO INCREASING PUMP VIBRATION AND DECREASING DISCHARGE PRESSURE.

 * SUMMARY *

KEWAUNEE OPERATED AT FULL POWER WITH 1 REDUCTION FOR MAINTENANCE 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-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)

* Kewaunee *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....KEWAUNEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...27 MI E OF
GREEN BAY, WI.

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1974

DATE ELEC ENER 1ST GENER...APRIL 8, 1974

DATE COMMERCIAL OPERATE...JUNE 16, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 19002
GREEN BAY, WISCONSIN 54307

CONTRACTOR
ARCHITECT/ENGINEER.....PIONEER SERVICES & ENGINEERING

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. NELSON

LICENSING PROJ MANAGER....M. FAIRTILE
DOCKET NUMBER.....50-305

LICENSE & DATE ISSUANCE...DPR-43, DECEMBER 21, 1973

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF WISCONSIN
LIBRARY LEARNING CENTER
2420 NICOLET DRIVE
GREEN BAY, WISCONSIN 54301

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 16 - APRIL 15 (85001): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION; LICENSEE EVENT REPORTS; PART 21 REPORTS; TMI-2 TRACKING ITEMS AND REGIONAL REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 164 INSPECTOR-HOURS ONSITE BY ONE INSPECTOR INCLUDING 35 INSPECTOR-HOURS ON OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN EIGHT AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE PROCEDURE).

INSPECTION ON APRIL 8-11 (85004): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; TESTING AND MAINTENANCE; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL AND PACKAGES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; PHYSICAL BARRIERS PROTECTED AND VITAL AREAS AND FOLLOWUP ON NONCOMPLIANCES AND UNRESOLVED ITEMS. REVIEWED WEAKNESSES/CONCERNS IN THE ABOVE AREAS WHICH WERE IDENTIFIED AS A RESULT OF A REGION III ANALYSIS OF PREVIOUS INSPECTION FINDINGS, 10 CFR 73.71 SECURITY EVENT REPORTS, AND THE PREVIOUS SALP REPORT. THE INSPECTION INVOLVED 52 INSPECTOR-HOURS BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING A DAY SHIFT PERIOD. PREVIOUSLY IDENTIFIED CONCERNS/WEAKNESSES WERE FOUND TO HAVE BEEN SATISFACTORILY CORRECTED. ADDITIONAL CONCERNS WERE NOTED IN THE AREAS OF COMPENSATORY MEASURES AND ACCESS CONTROL TO VITAL AREAS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: ACCESS CONTROL - PERSONNEL: BACKGROUND SCREENING WAS NOT ADEQUATELY COMPLETED FOR SOME UNESCORTED PERSONNEL.

INSPECTION ON APRIL 9 AND 10 (85005): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS RELATIVE TO IE BULLETIN 80-11 "MASONRY WALL DESIGN" AND PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

OTHER ITEMS

NONE

NONE

NONE

THE PLANT IS OPERATING NORMALLY.

INSPECTION REPORT NO: 85008

REPORTS FROM LICENSEE

PAGE 2-169

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: L. S. GOODMAN (608) 689-2331

4. Licensed Thermal Power (MWh): 165

5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>136,586.0</u>
13. Hours Reactor Critical	<u>727.7</u>	<u>2,714.8</u>	<u>90,896.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>717.8</u>	<u>2,615.8</u>	<u>84,519.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>110,906</u>	<u>349,168</u>	<u>11,696,560</u>
18. Gross Elec Ener (MWH)	<u>34,150</u>	<u>107,675</u>	<u>3,503,286</u>
19. Net Elec Ener (MWH)	<u>32,238</u>	<u>100,473</u>	<u>3,246,312</u>
20. Unit Service Factor	<u>96.5</u>	<u>72.2</u>	<u>61.9</u>
21. Unit Avail Factor	<u>96.5</u>	<u>72.2</u>	<u>61.9</u>
22. Unit Cap Factor (MDC Net)	<u>90.3</u>	<u>57.8</u>	<u>49.5</u>
23. Unit Cap Factor (DER Net)	<u>86.7</u>	<u>55.5</u>	<u>47.5</u>
24. Unit Forced Outage Rate	<u>3.5</u>	<u>3.2</u>	<u>10.1</u>
25. Forced Outage Hours	<u>26.2</u>	<u>86.7</u>	<u>8,440.5</u>

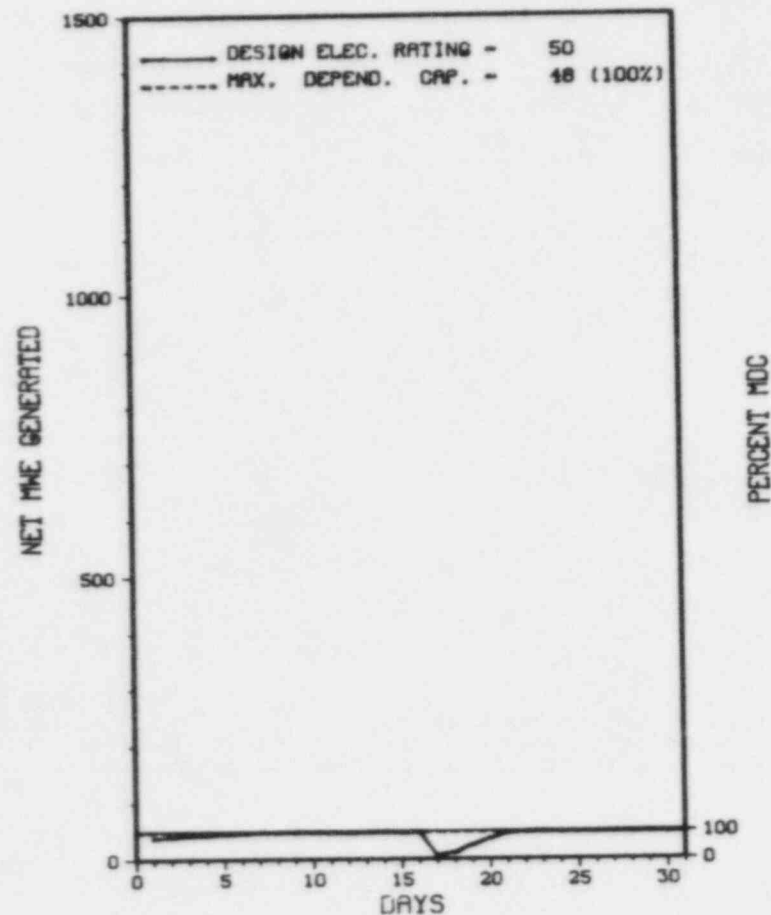
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

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

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-04	05/17/85	F	26.2	A	3	85-12	RB INSTRU	REACTOR AUTOMATICALLY SHUTDOWN DUE TO LOW GAS PRESSURE OR LOW OIL LEVEL IN ONE OF THE CONTROL ROD DRIVE MECHANISMS* ACCUMULATORS. PRESSURE SWITCHES WERE ADJUSTED ON 2 MECHANISMS AND A SCRAM SOLENOID WAS REPLACED ON ANOTHER MECHANISM.

***** LA CROSSE OPERATED WITH 1 OUTAGE FOR MAINTENANCE 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)

* LA CROSSE *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LACROSSE, WISC

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967

DATE ELEC ENER 1ST GENER...APRIL 26, 1968

DATE COMMERCIAL OPERATE...NOVEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER

CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601

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

NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS

CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WIEBE

LICENSING PROJ MANAGER.....R. DUDLEY
DOCKET NUMBER.....50-409

LICENSE & DATE ISSUANCE....DPR-45, AUGUST 28, 1973

PUBLIC DOCUMENT ROOM.....LA CROSSE PUBLIC LIBRARY
800 MAIN STREET
LA CROSSE, WISCONSIN 54601

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

INSPECTION SUMMARY

INSPECTION FROM JANUARY 19 THROUGH APRIL 15 (85004): ROUTINE, UNANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF LICENSEE ACTIVITIES ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, LONG TERM SHUTDOWN, MAINTENANCE, SURVEILLANCE, LICENSEE EVENT REPORTS, IE BULLETINS, AND REGULATORY IMPROVEMENT PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 107 INSPECTOR-HOURS ONSITE BY SEVERAL NRC INSPECTORS INCLUDING A TOTAL OF 9 INSPECTOR-HOURS DURING BACKSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE NOTED.

INSPECTION ON APRIL 8-12 (85007): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; MAINTAINING EMERGENCY PREPAREDNESS; AND LICENSEE ACTIONS TO CORRECT PREVIOUSLY-IDENTIFIED ITEMS. THE INSPECTION INVOLVED 143 INSPECTION-HOURS ONSITE BY THREE NRC INSPECTORS AND ONE CONSULTANT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1985

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

* LA CROSSE *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT RESUMED OPERATION ON 4/16/85, FOLLOWING A FIVE-WEEK REFUELING OUTAGE WHICH BEGAN ON 3/10/85 AND IS NOW OPERATING ROUTINELY
LAST IE SITE INSPECTION DATE: JUNE 10 - 19, 1985

INSPECTION REPORT NO: 85011

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

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

85-05	04/07/85	04/30/85	EMERGENCY SERVICE WATER SUPPLY SYSTEM EXTERIOR VALVE BODY CRACK
85-06	04/10/85	05/03/85	DISCHARGE OF WASTE WATER TANK WITH TANK NOT ISOLATED FROM DRAIN SYSTEM
85-07	04/12/85	05/08/85	ALTERNATE CORE SPRAY SYSTEM LINED UP TO RIVER DURING REACTOR VESSEL HYDROSTATIC TEST
85-08	04/20/85	05/16/85	REACTOR SCRAM-CONTROL ROD DRIVE 12 SCRAM SOLENOID, 1B RESERVE FEED BREAKER NOT CLOSING
85-09	04/21/85	05/13/85	SEAL INJECT SYSTEM LEAK WITH SCRAM DURING SHUTDOWN
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

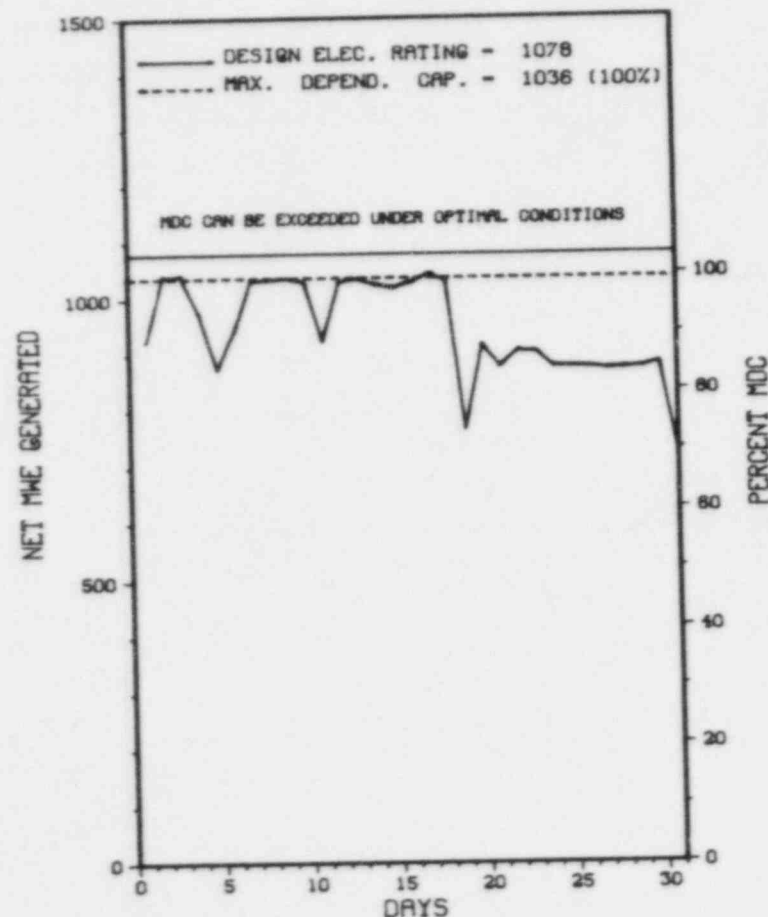
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>12,407.0</u>
13. Hours Reactor Critical	<u>739.8</u>	<u>3,042.0</u>	<u>9,322.0</u>
14. Rx Reserve Shtdwn Hrs	<u>4.2</u>	<u>102.8</u>	<u>1,267.7</u>
15. Hrs Generator On-Line	<u>739.8</u>	<u>2,969.2</u>	<u>9,024.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>2,184,310</u>	<u>8,433,887</u>	<u>31,393,194</u>
18. Gross Elec Ener (MWH)	<u>724,455</u>	<u>2,788,765</u>	<u>8,259,408</u>
19. Net Elec Ener (MWH)	<u>703,230</u>	<u>2,687,914</u>	<u>7,894,123</u>
20. Unit Service Factor	<u>99.4</u>	<u>82.0</u>	<u>72.7</u>
21. Unit Avail Factor	<u>99.4</u>	<u>82.0</u>	<u>72.7</u>
22. Unit Cap Factor (MDC Net)	<u>91.2</u>	<u>71.6</u>	<u>61.4</u>
23. Unit Cap Factor (DER Net)	<u>87.7</u>	<u>68.8</u>	<u>59.0</u>
24. Unit Forced Outage Rate	<u>.6</u>	<u>18.0</u>	<u>16.1</u>
25. Forced Outage Hours	<u>4.2</u>	<u>653.8</u>	<u>1,726.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING & MAINTENANCE 09/03/85 - 6 MOS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>06/15/85</u>			

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	05/19/85	S	0.0	B	5				POWER REDUCED TO ALLOW MAINTENANCE OF HEATER DRAINS.
10	05/31/85	F	4.2	A	2				MANUALLY SCRAMMED FOLLOWING FLOODING OF LAKE SCREEN HOUSE.

* SUMMARY *

LASALLE 1 OPERATED WITH 1 OUTAGE AND 1 REDUCTION 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-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)

* LASALLE 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 9 THROUGH MAY 13 (85012): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; INSERVICE INSPECTION; LOCAL LEAK RATE TESTING; REGIONAL REQUESTS; AND LICENSEE EVENT REPORT FOLLOWUPS. THE INSPECTION INVOLVED A TOTAL OF 220 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 30 HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO HAVE AN ADEQUATE PROCEDURE).

INSPECTION ON APRIL 23-25 (85013): ROUTINE, UNANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, 50.55(E) AND IE BULLETINS, REVIEW OF MOTOR REWINDING MODIFICATION AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 40 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 4 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED 4 VIOLATIONS WERE IDENTIFIED (FAILURE TO ASSURE THAT HVAC SAFETY-RELATED TEMPERATURE INDICATOR CONTROLLERS ARE SET TO SPECIFIED AND CALIBRATED VALUES). (INADEQUATE IMPLEMENTATION OF PROCEDURES); (RECORDS NOT AVAILABLE TO INDICATE THE REPLACEMENT OF SAFETY-RELATED RELAYS); AND (SAFETY-RELATED WORK WAS PERFORMED AND QC INSPECTED BY SAME INDIVIDUAL).

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1985

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

* LASALLE 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

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

PLANT STATUS:

COLD SHUTDOWN - AWAITING REPAIRS OF SERVICE WATER PUMPS

LAST IE SITE INSPECTION DATE: MAY 13 - JUNE 17, 1985

INSPECTION REPORT NO: 85017

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

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
-----
85-35      04/11/85    05/02/85    MAIN TURBINE HI-VIBRATION TRIP AND REACTOR SCRAM
85-36      04/03/85    05/02/85    SHUTDOWN COOLING SYSTEM ISOLATION ON SUCTION LINE HIGH FLOW
85-37      04/17/85    05/10/85    DIVISION II ADS INOP
85-38      04/12/85    05/08/85    AMMONIA DETECTOR ACTUATION
85-39      04/19/85    05/16/85    AMMONIA DETECTOR ACTUATION
=====
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1. Docket: 50-374 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any: _____

NONE

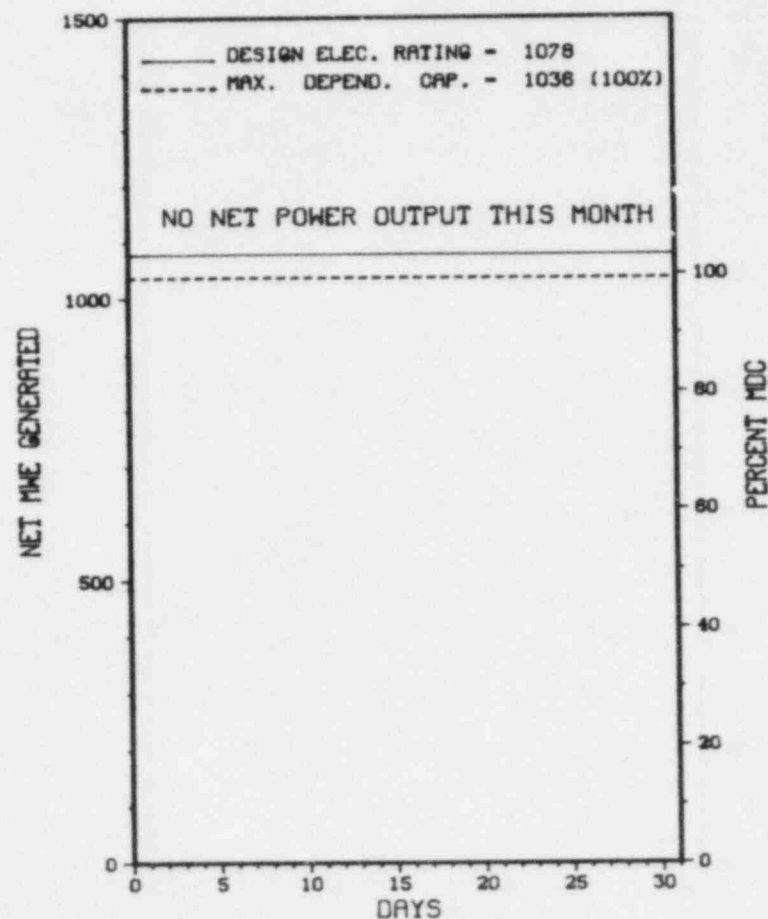
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>5,399.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,399.8</u>	<u>3,011.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>125.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,397.3</u>	<u>2,934.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,382,385</u>	<u>8,894,977</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,460,378</u>	<u>2,945,373</u>
19. Net Elec Ener (MWH)	<u>-9,397</u>	<u>1,382,193</u>	<u>2,774,310</u>
20. Unit Service Factor	<u>.0</u>	<u>38.6</u>	<u>54.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>38.6</u>	<u>54.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>36.8</u>	<u>49.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>35.4</u>	<u>47.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>238.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 06/14/85

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/28/85	S	744.0	B	4				MAINTENANCE AND SURVEILLANCE OUTAGE BEGUN 2-28-85 CONTINUES.

***** LASALLE 2 REMAINS SHUTDOWN IN A CONTINUING MAINTENANCE AND SURVEILLANCE OUTAGE.
* SUMMARY *

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

* LASALLE 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 10, 1984
DATE ELEC ENER 1ST GENER...APRIL 20, 1984
DATE COMMERCIAL OPERATE...OCTOBER 19, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 9 THROUGH MAY 13 (85012): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; INSERVICE INSPECTION; LOCAL LEAK RATE TESTING; REGIONAL REQUESTS; AND LICENSEE EVENT REPORT FOLLOWUPS. THE INSPECTION INVOLVED A TOTAL OF 220 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 30 HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO HAVE AN ADEQUATE PROCEDURE).

INSPECTION ON APRIL 23-25 (85013): ROUTINE, UNANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, 50.55(E) AND IE BULLETINS, REVIEW OF MOTOR REWINDING MODIFICATION AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 40 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 4 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED 4 VIOLATIONS WERE IDENTIFIED (FAILURE TO ASSURE THAT HVAC SAFETY-RELATED TEMPERATURE INDICATOR CONTROLLERS ARE SET TO SPECIFIED AND CALIBRATED VALUES). (INADEQUATE IMPLEMENTATION OF PROCEDURES); (RECORDS NOT AVAILABLE TO INDICATE THE REPLACEMENT OF SAFETY-RELATED RELAYS); AND (SAFETY-RELATED WORK WAS PERFORMED AND QC INSPECTED BY SAME INDIVIDUAL).

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1985

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

* LASALLE 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

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

PLANT STATUS:

UNIT IS IN PLANNED MAINTENANCE OUTAGE WHICH BEGAN 3/1/85.

LAST IE SITE INSPECTION DATE: MAY 13 - JUNE 17, 1985

INSPECTION REPORT NO: 85017

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

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NUMBER      DATE OF      DATE OF      SUBJECT
EVENT       REPORT
-----
85-14      04/09/85   04/25/85   SPURIOUS DIVISION I ISOLATION OF SHUTDOWN COOLING
85-15      04/01/85   04/26/85   LOSS OF CONTINUOUS CONDUCTIVITY INDICATION
85-16      04/18/85   04/30/85   MISSED SURVEILLANCE OF 2E51-F091
85-17      04/13/85   05/02/85   GROUP VI ISOLATION
85-18      04/13/85   05/02/85   SHUTDOWN COOLING ISOLATION ON BLOWN FUSE
85-19      04/12/85   05/09/85   PRIMARY CONTAINMENT GROUP I ISOLATION SIGNAL
85-20      04/24/85   05/01/85   MISSED SERVICE WATER SAMPLE
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1. Docket: 50-352 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 165

5. Nameplate Rating (Gross MWe): 1092

6. Design Electrical Rating (Net MWe): 1055

7. Maximum Dependable Capacity (Gross MWe): 1055

8. Maximum Dependable Capacity (Net MWe): 1055

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>1,160.0</u>	<u>1,160.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>371.7</u>	<u>371.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>25.2</u>	<u>25.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>36,254</u>	<u>36,254</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>310</u>	<u>310</u>
19. Net Elec Ener (MWH)	<u>-7,226</u>	<u>-9,400</u>	<u>9,400</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 48.3 48.3

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

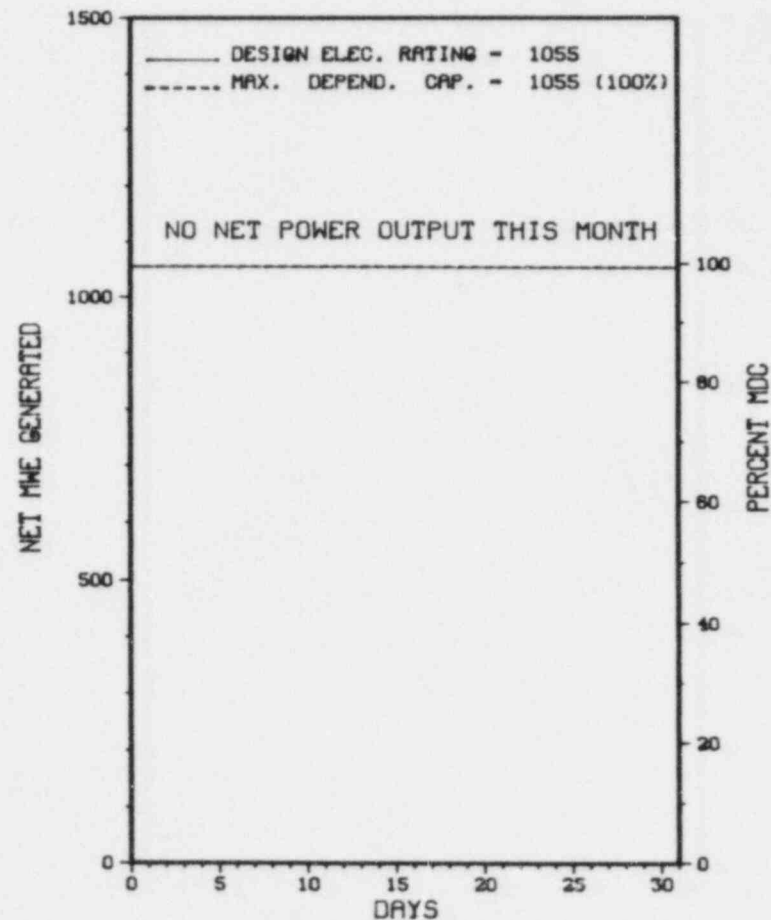
NONE

27. If Currently Shutdown Estimated Startup Date: 06/15/85

* LIMERICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LIMERICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
2	04/16/85	S	48.0	B	4		TA TURBIN	SCHEDULED MAINTENANCE CONTINUED FROM 04/16/85.
3	05/03/85	S	696.0	H	9		ZZ ZZZZZZ	UNIT IN SHUTDOWN MODE. UNIT PENDING FULL POWER LICENSE.

 * SUMMARY *

 LIMERICK 1 REMAINS SHUTDOWN IN A 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)

* LIMERICK 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....MONTGOMERY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI NW OF
PHILADELPHIA, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY... DECEMBER 22, 1984
DATE ELEC ENER 1ST GENER... APRIL 13, 1984
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...SCHUYLKILL RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. WIGGINS
LICENSING PROJ MANAGER....R. MARTIN
DOCKET NUMBER.....50-352
LICENSE & DATE ISSUANCE...NPF-27, OCTOBER 26, 1984
PUBLIC DOCUMENT ROOM.....POTTSTOWN PUBLIC LIBRARY
500 HIGH STREET
POTTSTOWN, PENNSYLVANIA 19464

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X               LIMERICK 1               X
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MANAGERIAL ITEMS:

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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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: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 864

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

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

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

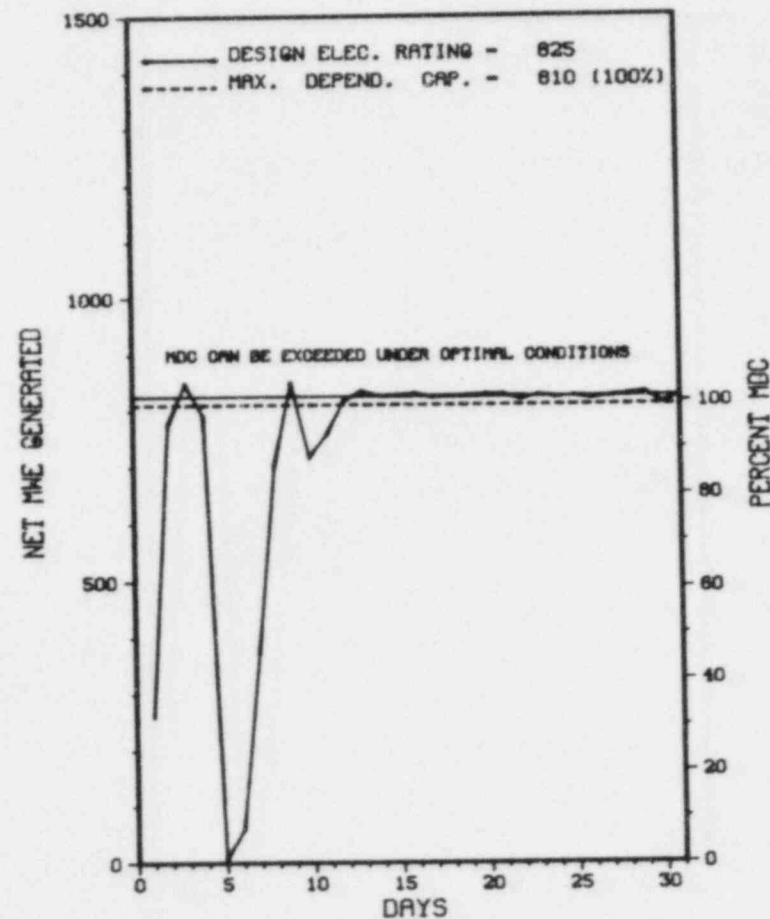
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>110,099.6</u>
13. Hours Reactor Critical	<u>714.4</u>	<u>3,578.5</u>	<u>88,878.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>698.3</u>	<u>3,553.8</u>	<u>86,167.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,692,963</u>	<u>8,782,321</u>	<u>194,091,238</u>
18. Gross Elec Ener (MWH)	<u>568,310</u>	<u>2,940,140</u>	<u>63,613,420</u>
19. Net Elec Ener (MWH)	<u>543,339</u>	<u>2,835,526</u>	<u>60,671,395</u>
20. Unit Service Factor	<u>93.9</u>	<u>98.1</u>	<u>78.3</u>
21. Unit Avail Factor	<u>93.9</u>	<u>98.1</u>	<u>78.3</u>
22. Unit Cap Factor (MDC Net)	<u>90.2</u>	<u>96.6</u>	<u>70.0*</u>
23. Unit Cap Factor (DER Net)	<u>88.5</u>	<u>94.9</u>	<u>68.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>7.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>23.5</u>	<u>5,647.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING SHUTDOWN: 08/17/85 - 8 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3-85-8	05/04/85	S	45.7	B	1		HA	GENERA	SHUTDOWN PLANT TO REPLACE GENERATOR EXCITER DIODE .
	05/10/85	F	0.0	B	5		HH	PUMPXX	REDUCED POWER TO PLACE MOTOR DRIVEN FEED PUMPS IN SERVICE AND TO REMOVE THE STEAM DRIVEN FEED PUMP FROM SERVICE DUE TO EXCESSIVE VIBRATION.
	05/11/85	F	0.0	H	5		RC		REDUCED POWER BECAUSE OF LOW SYMMETRIC OFFSET.

 * SUMMARY *

 MAINE YANKEE OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS DURING MAY.

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

* MAINE YANKEE *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE
COUNTY.....LINCOLN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI N OF
BATH, ME
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 23, 1972
DATE ELEC EMER 1ST GENER...NOVEMBER 8, 1972
DATE COMMERCIAL OPERATE...DECEMBER 28, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...BACK RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER
CORPORATE ADDRESS.....83 EDISON DRIVE
AUGUSTA, MAINE 04366
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER ..COMBUSTION ENGINEERING
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. HOLDEN
LICENSING PROJ MANAGER.....P. SEARS
DOCKET NUMBER.....50-309
LICENSE & DATE ISSUANCE...DPR-36, JUNE 29, 1973
PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 20.311 (D) (3), "TRANSFER FOR DISPOSAL AND MANIFEST", REQUIRES LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY, TO CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH 61.55 AND 61.56 OF THIS CHAPTER. 10 CFR 61.55 AND 61.56 REQUIRES, IN PART, THAT SOLID WASTE SHALL NOT CONTAIN FREE STANDING LIQUID GREATER THAN 1% OF THE WASTE VOLUME, AND THE WASTE BE PROPERLY CLASSIFIED AND HAVE STRUCTURAL STABILITY. CONTRARY TO THE ABOVE, ON JULY 19, 1984 AND AUGUST 17, 1984, THE LICENSEE TRANSFERRED TWO SHIPMENTS OF RADIOACTIVE DEWATERED RESIN TO THE CHEM-NUCLEAR, INC. LAND DISPOSAL FACILITY AT BARNWELL, SOUTH CAROLINA AND THE LICENSEE DID NOT CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE THAT THE PACKAGED DID NOT CONTAIN FREE STANDING LIQUID GREATER THAN 1% OF THE WASTE VOLUME; THAT THE WASTE WAS PROPERLY CLASSIFIED; AND THAT THE WASTE WAS STRUCTURALLY STABLE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). TECHNICAL SPECIFICATION 5.8.1 "PROCEDURES", REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. REGULATORY GUIDE 1.33 REQUIRES PROCEDURES FOR SPENT RESINS HANDLING. TECHNICAL SPECIFICATION 5.8.2 STATES "EACH PROCEDURE OF 5.8.1 ABOVE, AND CHANGES THERETO, SHALL BE REVIEWED BY THE PORC AND APPROVED BY THE PLANT MANAGER PRIOR TO IMPLEMENTATION..." CONTRARY TO THE ABOVE, THE LICENSEE USED AT LEAST ONE VENDOR PROCEDURE (WESTINGHOUSE HITTMAN NUCLEAR INC. PROCEDURE NO. STD-P-03-010, TRANSFER AND DEWATERING BEAD RESIN IN HITTMAN RADLOK TM-100 OR -200 CONTAINERS WITH SINGLE LAYER

Report Period MAY 1985

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

* MAINE YANKEE *

ENFORCEMENT SUMMARY

UNDERDRAIN ASSEMBLY TO LESS THAN 1% DRAINABLE LIQUID), IN PREPARING THE TWO SHIPMENTS OF DEWATERED RESIN THAT WERE MADE ON JULY 19, 1984 AND AUGUST 17, 1984, AND THE PROCEDURE WAS NOT REVIEWED BY THE PORC AND NEITHER WAS IT APPROVED BY THE PLANT MANAGER PRIOR TO ITS IMPLEMENTATION. THIS IS A SEVERITY LEVEL IV VIOLATION(SUPPLEMENT V).
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

2. Reporting Period: 05/01/85 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): 1180

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>30,671.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,515.0</u>	<u>21,134.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,494.3</u>	<u>20,457.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>6,736,582</u>	<u>53,539,720</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,295,076</u>	<u>18,523,942</u>
19. Net Elec Ener (MWH)	<u>-3,317</u>	<u>2,188,829</u>	<u>17,564,084</u>
20. Unit Service Factor	<u>.0</u>	<u>68.8</u>	<u>66.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.8</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.2</u>	<u>48.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.2</u>	<u>48.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.2</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>109.9</u>	<u>3,570.3</u>

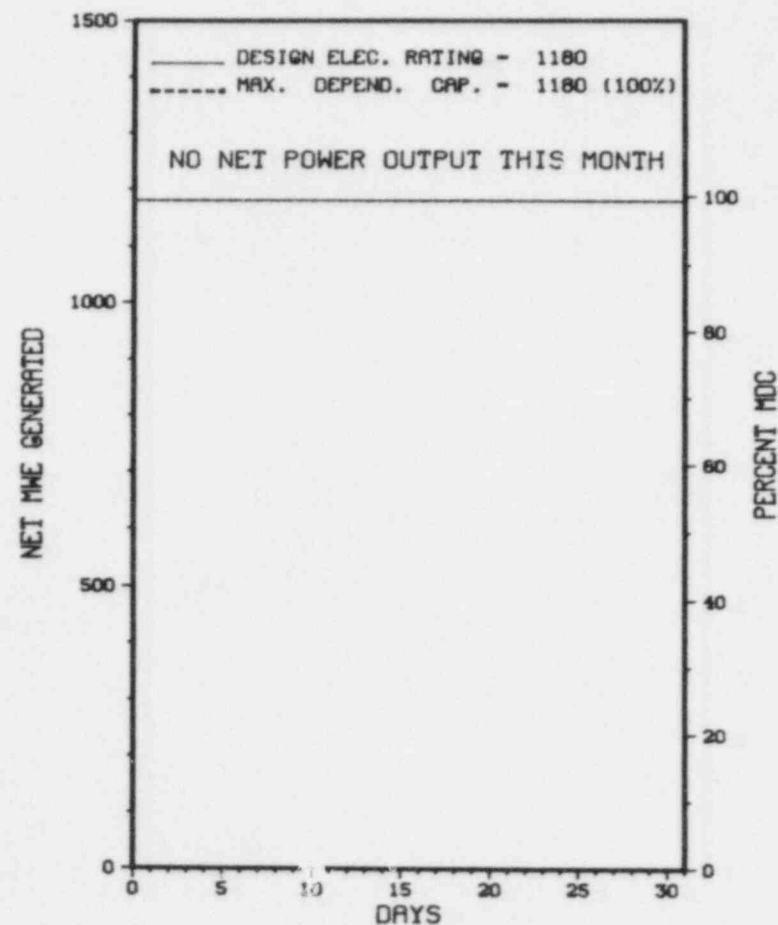
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE

27. If Currently Shutdown Estimated Startup Date: 06/09/85

 * MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	04/19/85	S	744.0	C	4		RC	FUELXX	END OF CYCLE 2 REFUELING OUTAGE CONTINUES.

 * SUMMARY *

 MCGUIRE 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

Report Period MAY 1985

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1981

DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1981

DATE COMMERCIAL OPERATE...DECEMBER 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE NORMAN

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

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-369

LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981

PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION DECEMBER 20 - JANUARY 20 (85-03): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 138 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE FOUR AREAS INSPECTED, THREE VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO FOLLOW OPERATIONS PROCEDURES, PARAGRAPH 5; FAILURE TO PERFORM SURVEILLANCE, PARAGRAPH 9, FAILURE TO IMPLEMENT REQUIREMENTS OF 3.0.3 PARAGRAPH 7).

INSPECTION MARCH 20 - APRIL 20 (85-14): THIS ROUTINE, SPECIAL, UNANNOUNCED INSPECTION INVOLVED 123 INSPECTION HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES AND REFUELING ACTIVITIES. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 6.8.1, WRITTEN PROCEDURES WERE NOT ESTABLISHED, IMPLEMENTED, OR MAINTAINED TO ASSURE THAT THE DEDICATED PLANT
STANDBY SHUTDOWN SYSTEM COMPONENTS, WHICH IS PART OF THE PLANT FIRE PROTECTION PROGRAM, WERE MAINTAINED FULLY OPERATIONAL.
(8402 4)

Report Period MAY 1985

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

* MCGUIRE 1 *

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 4.0.5, SURVEILLANCE AS REQUIRED, WAS NOT PERFORMED WITHIN THE SPECIFIED TIME INTERVAL, ON OR BEFORE 1/13/85, FOR THE DIESEL GENERATOR 1A FUEL TRANSFER PUMP. CONTRARY TO T.S. 3.7.6, ON 6/4/84, AT 8:02 P.M., WITH TRAIN A OF VC OUT OF SERVICE FOR MAINTENANCE, VC TRAIN B CHILLER TRIPPED PLACING BOTH MCGUIRE UNITS 1 AND 2 IN THE EXIGENCIES OF T.S. 3.0.3, AND NO ACTION WAS TAKEN TO PLACE THE UNITS IN A MODE IN WHICH T.S. 3.7.6 WAS NOT APPLICABLE UNTIL 10:05 P.M., A PERIOD OF TWO HOURS AND THREE MINUTES. CONTRARY TO 10CFR 50, APPENDIX B, CRITERION 3, THE LICENSEE QA PROGRAM REGULATORY GUIDE 1.64 AND ANSI N45.2.11-1974, POST MODIFICATION TESTING REQUIREMENTS AND ACCEPTANCE CRITERIA ARE NOT SPECIFIED FOR STATION MODIFICATION DESIGNED BY THE DESIGN ENGINEERING DEPARTMENT.
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING CONTINUES.

LAST IE SITE INSPECTION DATE: MARCH 20 - APRIL 20, 1985 +

INSPECTION REPORT NO: 50-369/85-14 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-010	03/20/85	04/19/85	PERSONNEL AIRLOCK INTEGRITY NOT ASSURED, DUE TO PROCEDURAL DEFICIENCY.
85-011	04/09/85	05/09/85	UNIT SHUTDOWN DUE TO COLD LEG ACCUMULATOR LOW BORON CONCENTRATION, DUE TO LEAKAGE OF VALVES.

=====

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 3411

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

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>10,967.0</u>
13. Hours Reactor Critical	<u>603.4</u>	<u>1,198.4</u>	<u>7,336.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>530.8</u>	<u>1,125.7</u>	<u>7,216.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,613,921</u>	<u>3,562,167</u>	<u>22,933,491</u>
18. Gross Elec Ener (MWH)	<u>559,945</u>	<u>1,258,998</u>	<u>8,096,721</u>
19. Net Elec Ener (MWH)	<u>531,489</u>	<u>1,189,570</u>	<u>7,747,370</u>
20. Unit Service Factor	<u>71.3</u>	<u>31.1</u>	<u>65.8</u>
21. Unit Avail Factor	<u>71.3</u>	<u>31.1</u>	<u>65.8</u>
22. Unit Cap Factor (MDC Net)	<u>60.5</u>	<u>27.8</u>	<u>59.9</u>
23. Unit Cap Factor (DER Net)	<u>60.5</u>	<u>27.8</u>	<u>59.9</u>
24. Unit Forced Outage Rate	<u>28.7</u>	<u>15.9</u>	<u>16.0</u>
25. Forced Outage Hours	<u>213.2</u>	<u>213.2</u>	<u>1,379.4</u>

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

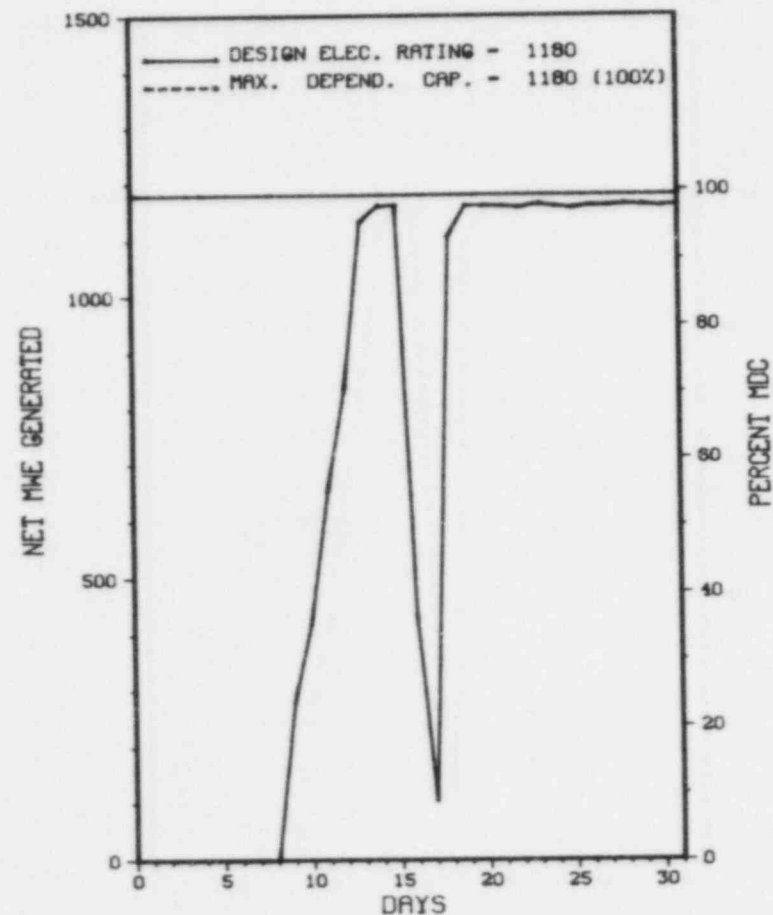
MAINTENANCE OUTAGE - JUNE 28, 1985-2 WEEKS

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

* MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1K	05/01/85	F	136.9	A	9		SF	VALVEX	REPAIR SEAT LEAK ON SAFETY INJECTION ISOLATION VALVE (NI-9).
1L	05/06/85	F	24.0	A	9		CH	PUMPXX	FEEDWATER PUMP TRIPPED DURING STARTUP.
1M	05/07/85	F	24.0	A	2		CH	TURBIN	FEEDWATER PUMP TRIPPED DURING TRANSFER FROM AUXILIARY TO MAIN STEAM.
4-P	05/08/85	F	0.0	F	5		ZZ	ZZZZZZ	SECONDARY CHEMISTRY HOLD.
5-P	05/09/85	S	0.0	B	5		IB	INSTRU	FLUX MAPPING.
6-P	05/09/85	F	0.0	A	5		ZZ	ZZZZZZ	TURBINE RUNBACK DURING LOAD REDUCTION TO PERFORM CORE POWER DISTRIBUTION TEST.
7-P	05/10/85	F	0.0	A	5		HA	INSTRU	LOAD SWING DUE TO TURBINE CONTROL PROBLEMS.
8-P	05/10/85	F	0.0	D	5		RC	FUELXX	QUADRANT POWER TILT RATIO OUT-OF-LIMIT.
9-P	05/11/85	S	0.0	B	5		IB	INSTRU	HOLD FOR NUCLEAR INSTRUMENTATION CALIBRATIONS.
10-P	05/11/85	F	0.0	A	5		CH	PUMPXX	FEEDWATER PUMP CONTROL OIL REPAIRS.
2	05/16/85	F	28.3	H	2		HJ	XXXXXX	LOST GENERATOR HYDROGEN WHILE ATTEMPTING TO CORRECT UNACCEPTABLE HYDROGEN PURITY.
11-P	05/17/85	F	0.0	F	5		ZZ	ZZZZZZ	SECONDARY CHEMISTRY HOLD.
12-P	05/18/85	S	0.0	F	5		ZZ	ZZZZZZ	HOLD AT REDUCED LOAD FOR DISPATCHER.

* SUMMARY *

MCGUIRE 2 OPERATED WITH 4 OUTAGES AND 9 REDUCTIONS LISTED IN DETAIL ABOVE.

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

* MCGUIRE 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 8, 1983

DATE ELEC ENER 1ST GENER...MAY 23, 1983

DATE COMMERCIAL OPERATE...MARCH 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-370

LICENSE & DATE ISSUANCE...NPF-17, MAY 27, 1983

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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 DECEMBER 20 - JANUARY 20 (85-03): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 138 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE FOUR AREAS INSPECTED, THREE VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO FOLLOW OPERATIONS PROCEDURES, PARAGRAPH 5; FAILURE TO PERFORM SURVEILLANCE, PARAGRAPH 9, FAILURE TO IMPLEMENT REQUIREMENTS OF 3.0.3 PARAGRAPH 7).

INSPECTION MARCH 20 - APRIL 20 (85-15): THIS ROUTINE, SPECIAL, UNANNOUNCED INSPECTION INVOLVED 123 INSPECTION HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES AND REFUELING ACTIVITIES. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAY 1985

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

* MCGUIRE 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 20 - APRIL 20, 1985 +

INSPECTION REPORT NO: 50-370/85-15 +

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

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

NONE.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

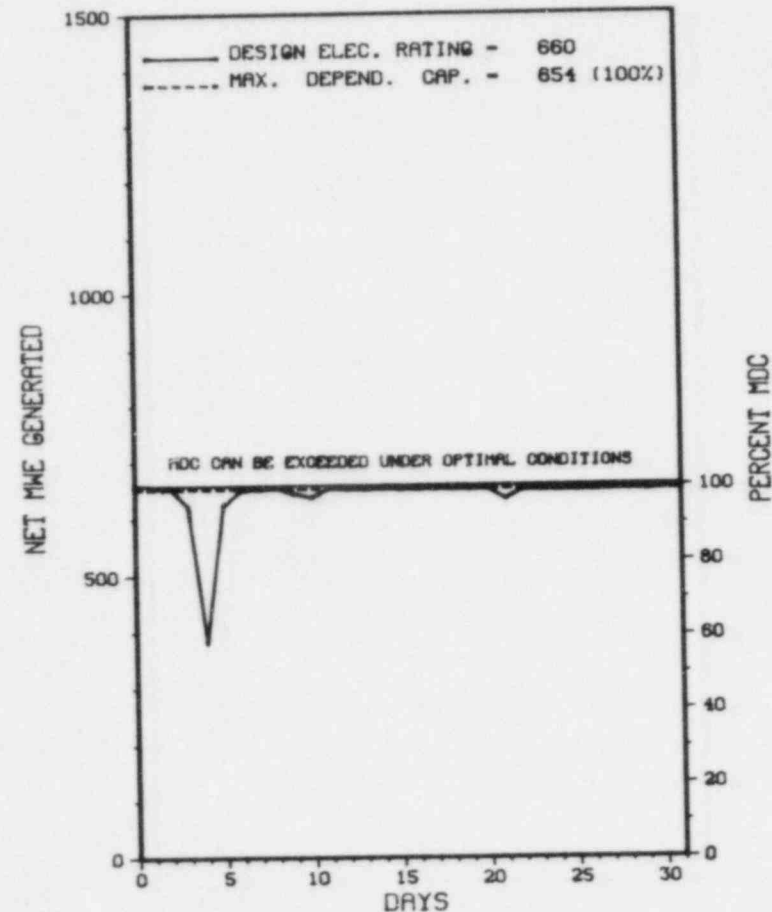
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>127,151.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>97,377.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,623.0</u>	<u>94,559.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,462,877</u>	<u>7,208,356</u>	<u>173,616,625</u>
18. Gross Elec Ener (MWH)	<u>498,600</u>	<u>2,456,000</u>	<u>58,352,696</u>
19. Net Elec Ener (MWH)	<u>476,900</u>	<u>2,349,805</u>	<u>55,653,965</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>74.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>74.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>99.2</u>	<u>66.9</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>98.3</u>	<u>66.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,715.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING, OCTOBER 1985, 5 WEEK DURATION.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
2	05/04/85	S	0.0	B	5			DOWNPOWER TO FIND AND REPAIR MAIN CONDENSER TUBE LEAKS.

* SUMMARY *

MILLSTONE 1 OPERATED AT OR NEAR FULL POWER WITH 1 REDUCTION FOR MAINTENANCE 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-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-0161)

* MILLSTONE 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 26, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 29, 1970
DATE COMMERCIAL OPERATE...MARCH 1, 1971
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....J. SHEA
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE...DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NO INPUT PROVIDED.

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 866

8. Maximum Dependable Capacity (Net MWe): 833

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

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

11. Reasons for Restrictions, If Any: _____
NONE

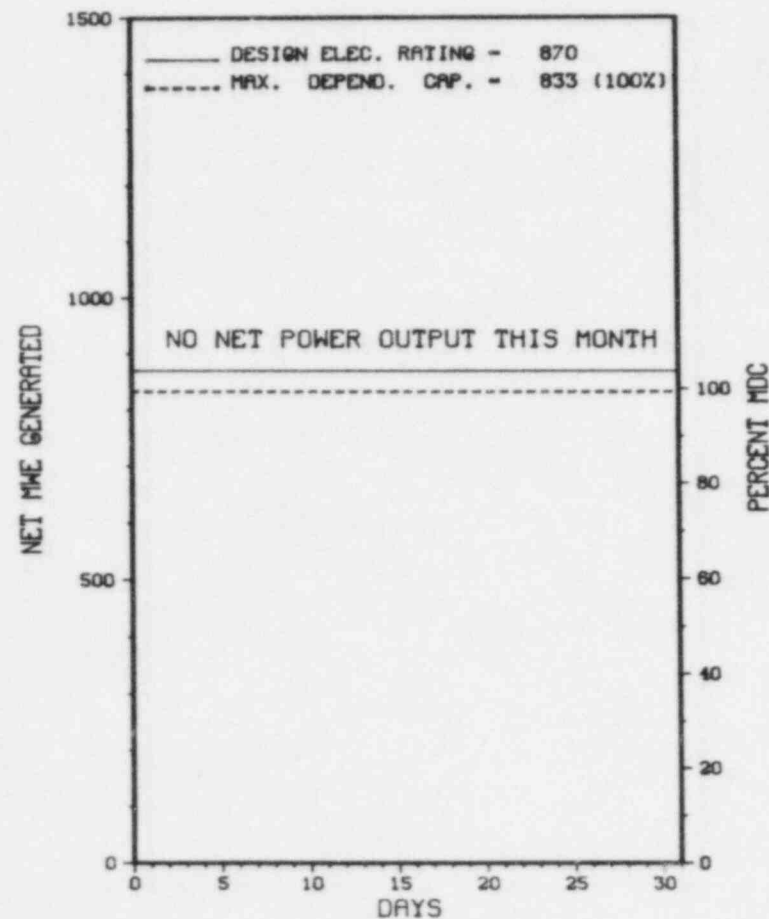
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>82,679.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,112.1</u>	<u>58,073.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,109.8</u>	<u>55,502.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>2,895,103</u>	<u>140,584,267</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>945,800</u>	<u>45,618,473</u>
19. Net Elec Ener (MWH)	<u>-2,686</u>	<u>900,701</u>	<u>43,725,786</u>
20. Unit Service Factor	<u>.0</u>	<u>30.6</u>	<u>67.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>30.6</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>29.8</u>	<u>63.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>28.6</u>	<u>62.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>9,943.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 06/15/85

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



MAY 1985

* Item calculated with a Weighted Average

PAGE 2-202

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/16/85	S	744.0	C	4				CONTINUATION OF REFUEL MAINTENANCE OUTAGE.

 * SUMMARY *

 MILLSTONE 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

* MILLSTONE 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1985

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

* MILLSTONE 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWe): 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>3,623.0</u>	<u>122,016.0</u>
13. Hours Reactor Critical	<u>620.8</u>	<u>3,065.9</u>	<u>92,981.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>594.5</u>	<u>2,970.1</u>	<u>90,973.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>944,074</u>	<u>4,768,994</u>	<u>146,002,808</u>
18. Gross Elec Ener (MWH)	<u>321,915</u>	<u>1,633,708</u>	<u>46,818,761</u>
19. Net Elec Ener (MWH)	<u>309,161</u>	<u>1,570,618</u>	<u>44,746,043</u>
20. Unit Service Factor	<u>79.9</u>	<u>82.0</u>	<u>74.6</u>
21. Unit Avail Factor	<u>79.9</u>	<u>82.0</u>	<u>74.6</u>
22. Unit Cap Factor (MDC Net)	<u>77.5</u>	<u>80.9</u>	<u>68.4</u>
23. Unit Cap Factor (DER Net)	<u>76.2</u>	<u>79.5</u>	<u>67.3</u>
24. Unit Forced Outage Rate	<u>.8</u>	<u>.7</u>	<u>5.1</u>
25. Forced Outage Hours	<u>4.8</u>	<u>21.9</u>	<u>1,310.7</u>

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

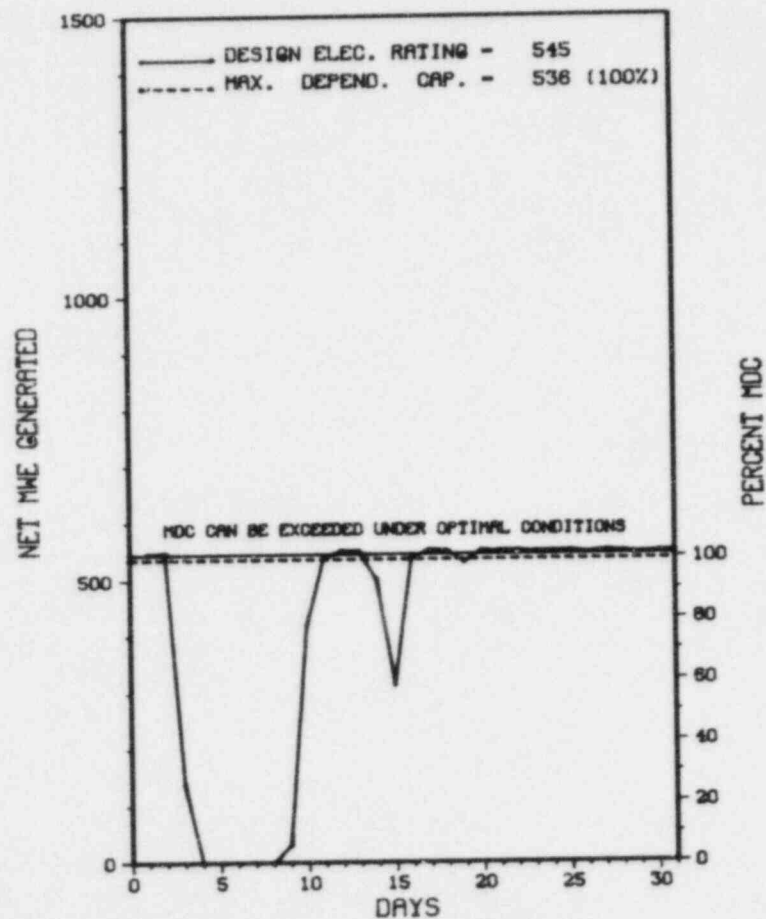
NONE

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

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	05/03/85	S	144.7	B	1		HA	TURBIN	PLANT SHUTDOWN TO PERFORM TURBINE AND CONTROL ROD DRIVE MAINTENANCE.
7	05/15/85	F	4.8	B	1		HA	TURBIN	GENERATOR TAKEN OFF-LINE TO INVESTIGATE GENERATOR FIELD GROUND.

* SUMMARY *

MONTICELLO INCURRED 2 SHUTDOWNS IN MAY FOR MAINTENANCE AND 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)

* MONTICELLO *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

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

DATE COMMERCIAL OPERATE...JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....P. HARTMAN

LICENSING PROJ MANAGER.....R. AULUCK
DOCKET NUMBER.....50-263

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

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

MONTICELLO TECHNICAL SPECIFICATIONS 6.5.C PARAGRAPH 1 REQUIRES DETAILED WRITTEN PROCEDURES, INCLUDING THE APPLICABLE CHECK-OFF LISTS AND INSTRUCTIONS COVERING ROUTINE TESTING OF ENGINEERING SAFEGUARDS AND EQUIPMENT AS REQUIRED BY THE FACILITY LICENSE AND TECHNICAL SPECIFICATIONS, BE PREPARED AND FOLLOWED. 10 CFR PART 50, APPENDIX B, CRITERION V AS IMPLEMENTED BY THE MONTICELLO QUALITY ASSURANCE PLAN, REQUIRES "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS ... INSTRUCTIONS, PROCEDURES OR DRAWINGS SHALL INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED." CONTRARY TO THE ABOVE THE PROCEDURES REQUIRED TO IMPLEMENT THE LEAK RATE TESTING REQUIRED BY TECHNICAL SPECIFICATIONS AND 10 CFR 50, APPENDIX J WERE NOT APPROPRIATE IN THAT: (A) PART B IN PROCEDURE NUMBER 136, REVISION 5 DID NOT ADEQUATELY DESCRIBE THE TYPE OF DATA REDUCTION METHOD TO BE USED FOR THE PRIMARY CONTAINMENT INTEGRATED LEAK RATE TEST, NOR DID IT CONTAIN ADEQUATE ACCEPTANCE CRITERIA FOR ANY DATA REDUCTION METHOD THAT COULD BE USED. ADDITIONALLY, APPENDIX E OF THE PROCEDURE INCORRECTLY DESCRIBED THE DATA REDUCTION METHOD THE LICENSEE WISHED TO USE (BNTOP-1, TOTAL TIME METHOD). (B) PROCEDURE TEST NUMBER 137, REVISION 12 ALLOWED AN UNACCEPTABLE METHOD TO BE USED TO TOTAL

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OTHER ITEMS

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

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: JUNE 11 - 14, 1985

INSPECTION REPORT NO: 85019

REPORTS FROM LICENSEE

PAGE 2-209

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

2. Reporting Period: 05/01/85 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: _____

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>136,583.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,593.1</u>	<u>96,309.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,563.9</u>	<u>93,369.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,270,083</u>	<u>6,461,203</u>	<u>155,750,570</u>
18. Gross Elec Ener (MWH)	<u>427,642</u>	<u>2,197,453</u>	<u>51,578,242</u>
19. Net Elec Ener (MWH)	<u>415,385</u>	<u>2,132,888</u>	<u>49,962,882</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.4</u>	<u>68.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.4</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>91.5</u>	<u>96.5</u>	<u>60.0</u>
23. Unit Cap Factor (DER Net)	<u>90.1</u>	<u>95.0</u>	<u>59.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>16.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>59.1</u>	<u>13,118.5</u>

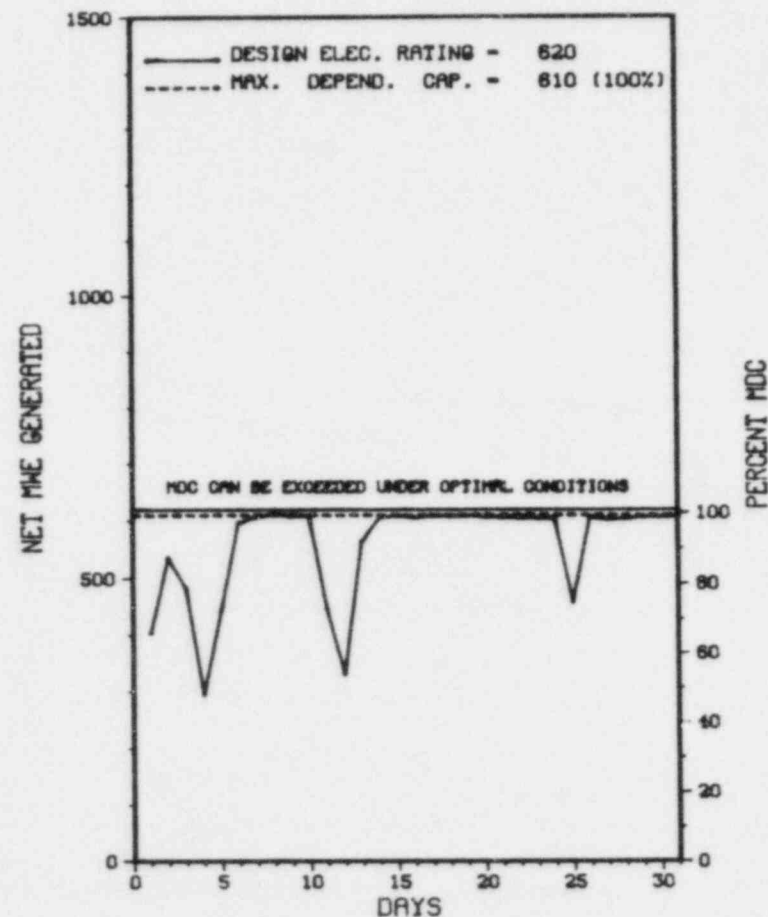
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

* NINE MILE POINT 1 *

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



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-05	05/01/85	F	0.0	A	5				LOAD REDUCTION FOR CONDENSER TUBE LEAKS (120 PLUGGED).
85-06	05/03/85	F	0.0	A	5				LOAD REDUCTION FOR CONDENSER TUBE LEAKS (110 PLUGGED).
85-07	05/11/85	F	0.0	A	5				LOAD REDUCTION FOR CONDENSER TUBE LEAKS (30 PLUGGED).
85-08	05/25/85	F	0.0	A	5				LOAD REDUCTION FOR CONDENSER TUBE LEAKS (8 PLUGGED).

 * SUMMARY *

 NINE MILE POINT 1 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

* NINE MILE POINT 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER CORP.
CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202
CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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 1985

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

* NINE MILE POINT 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 937

8. Maximum Dependable Capacity (Net MWe): 890

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

10. 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>3,623.0</u>	<u>61,248.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>41,970.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,185.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,595.8</u>	<u>40,684.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,064,197</u>	<u>9,683,911</u>	<u>106,547,577</u>
18. Gross Elec Ener (MWH)	<u>695,289</u>	<u>3,269,602</u>	<u>34,641,783</u>
19. Net Elec Ener (MWH)	<u>661,549</u>	<u>3,107,546</u>	<u>32,723,564</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.2</u>	<u>66.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.2</u>	<u>66.4</u>
22. Unit Cap Factor (MDC Net)	<u>99.6</u>	<u>96.3</u>	<u>59.8</u>
23. Unit Cap Factor (DER Net)	<u>98.0</u>	<u>94.6</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>27.2</u>	<u>5,642.1</u>

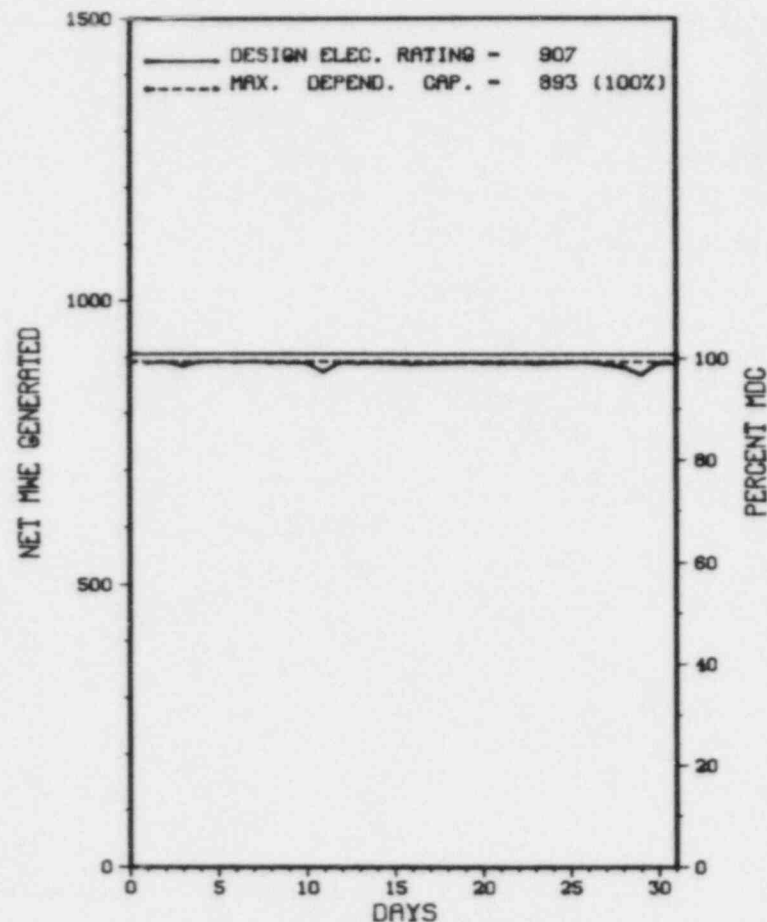
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - AUTUMN 1985.

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

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-12	05/03/85	S	0.0	H	5			RAMPDOWN TO 93% POWER FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO 100% POWER.

***** NORTH ANNA 1 OPERATED ROUTINELY IN MAY WITH NO OUTAGES REPORTED.

* SUMMARY *

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

* NORTH ANNA 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 5, 1978

DATE ELEC ENER 1ST GENER...APRIL 17, 1978

DATE COMMERCIAL OPERATE...JUNE 6, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....M. BRANCH

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-338

LICENSE & DATE ISSUANCE...NPF-4, APRIL 1, 1978

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UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

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

INSPECTION SUMMARY

+ INSPECTION MARCH 4-31 (85-05): THIS ROUTINE, INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 111 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, LICENSEE EVENT REPORTS (LER), IE BULLETINS, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ENGINEERED SAFETY FEATURE (ESF) SYSTEM WALKDOWNS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 8-12 (85-11): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 67.5 INSPECTOR-HOURS AT THE SITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED: POST-TRIP REVIEW; EQUIPMENT CLASSIFICATION; VENDOR INTERFACE AND MANUAL CONTROL; POST-MAINTENANCE TESTING; AND REACTOR TRIP SYSTEM RELIABILITY. TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE REVIEW OF PROCEDURES FOR REACTOR TRIP MAINTENANCE, PARAGRAPH 9.A; FAILURE TO FOLLOW PROCEDURE DURING PERFORMANCE OF WORK ORDER NO. 9344, PARAGRAPH 10.A.

INSPECTION APRIL 1 - MAY 5 (85-12): THIS ROUTINE, INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 83.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, PREVIOUSLY IDENTIFIED ITEMS, ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, TMI ACTION PLAN ITEMS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE AND MONTHLY SURVEILLANCE. ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED: FAILURE TO PROPERLY PERFORM SURVEILLANCE, PARAGRAPH 10, AND FAILURE TO PROPERLY SET THE TURBINE LOAD LIMITER, PARAGRAPH 9, RESPECTIVELY.

INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR 50.54(A)(1) REQUIRES VEPKO TO IMPLEMENT THEIR QUALITY ASSURANCE PROGRAM DESCRIBED IN ITS SAFETY ANALYSIS REPORT. SECTION 17.2.6 OF THE VEPKO QUALITY ASSURANCE PROGRAM REQUIRES THAT PROCEDURES, INSTRUCTIONS, AND DRAWINGS BE REVIEWED TO ASSURE THEY ARE ADEQUATE AND CONTAIN QUALITY REQUIREMENTS. ADMINISTRATIVE PROCEDURES 16.8, 5.3 AND 5.4 FURTHER AMPLIFY REVIEW REQUIREMENTS. CONTRARY TO THE ABOVE, THE REVIEWS OF ELECTRICAL MAINTENANCE PROCEDURES EMP-P-EP-8 AND 8A WERE INADEQUATE IN THAT SEVERAL ERRORS AND INACCURACIES (TYPOGRAPHICAL ERRORS, FIGURE NUMBERS NOT COMPATIBLE WITH TEXT, AND FIGURES DIFFICULT TO READ) WERE IDENTIFIED. 10CFR 50.54(A)(1) REQUIRES VEPKO TO IMPLEMENT THEIR QUALITY ASSURANCE PROGRAM IN ITS SAFETY ANALYSIS REPORT. SECTION 17.2.5 OF THE VEPKO QUALITY ASSURANCE PROGRAM REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, COMPLETION STEPS ON MECHANICAL MAINTENANCE PROCEDURE MMP-C-GV-1.2 WERE NOT INITIALED AS REQUIRED BY ADMINISTRATIVE PROCEDURE 16.8, USE OF PROCEDURES DURING MAINTENANCE. (8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 1 - MAY 5, 1985 +

INSPECTION REPORT NO: 50-338/85-12 +

Report Period MAY 1985

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

* NORTH ANNA 1 *

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

85-003	03/19/85		FLOODING POTENTIAL NOT PREVIOUSLY EVALUATED.
85-004	03/28/85	04/09/85	COVERING OVER SERVICE WATER PIPING LESS THAN DESIGN DEPTH, CORRECTIVE ACTIONS WERE IMMEDIATELY TO RE-ESTABLISH A BACKFILL COVERAGE.
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (703) 854-5151 X2527

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 941

8. Maximum Dependable Capacity (Net MWe): 893

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

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

11. Reasons for Restrictions, If Any: NONE

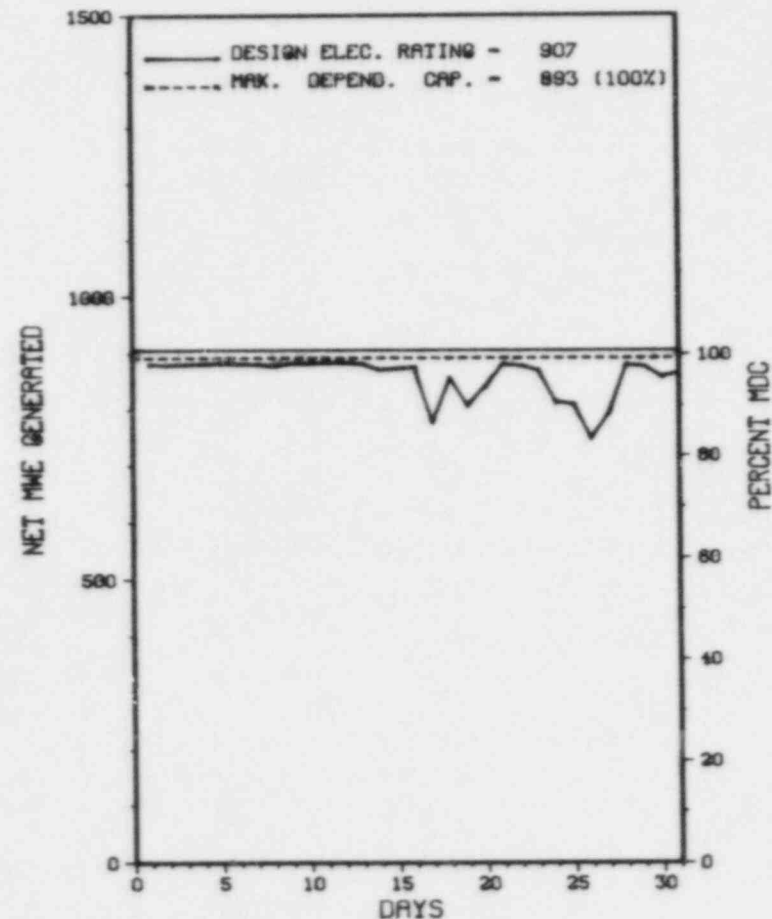
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>39,119.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,564.2</u>	<u>29,347.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>28.5</u>	<u>2,405.3</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,358.7</u>	<u>28,535.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,017,514</u>	<u>8,407,308</u>	<u>73,911,538</u>
18. Gross Elec Ener (MWH)	<u>673,375</u>	<u>2,797,110</u>	<u>24,516,375</u>
19. Net Elec Ener (MWH)	<u>639,812</u>	<u>2,649,602</u>	<u>23,218,875</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.7</u>	<u>72.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.7</u>	<u>72.9</u>
22. Unit Cap Factor (MDC Net)	<u>96.3</u>	<u>82.1</u>	<u>66.5</u>
23. Unit Cap Factor (DER Net)	<u>94.8</u>	<u>80.6</u>	<u>65.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.3</u>	<u>12.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>264.3</u>	<u>4,039.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-19	05/17/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-20	05/18/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-21	05/19/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-22	05/20/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-23	05/24/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-24	05/25/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-25	05/26/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-26	05/27/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-27	05/30/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
85-28	05/31/85	S	0.0	H	5				RAMPED UNIT 2 DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.

* SUMMARY *

NORTH ANNA 2 REPORTED NO OUTAGES AND SEVERAL POWER REDUCTIONS IN MAY.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 4-31 (85-05): THIS ROUTINE, INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 111 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, LICENSEE EVENT REPORTS (LER), IE BULLETINS, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ENGINEERED SAFETY FEATURE (ESF) SYSTEM WALKDOWNS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 8-12 (85-11): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 67.5 INSPECTOR-HOURS AT THE SITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED: POST-TRIP REVIEW; EQUIPMENT CLASSIFICATION; VENDOR INTERFACE AND MANUAL CONTROL; POST-MAINTENANCE TESTING; AND REACTOR TRIP SYSTEM RELIABILITY. TWO VIOLATIONS WERE IDENTIFIED - INADEQUATE REVIEW OF PROCEDURES FOR REACTOR TRIP MAINTENANCE, PARAGRAPH 9.A; FAILURE TO FOLLOW PROCEDURE DURING PERFORMANCE OF WORK ORDER NO. 9344, PARAGRAPH 10.A.

INSPECTION APRIL 1 - MAY 5 (85-12): THIS ROUTINE, INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 83.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, PREVIOUSLY IDENTIFIED ITEMS, ENGINEERED SAFETY FEATURES (ESF) WALKDOWN, TMI ACTION PLAN ITEMS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE AND MONTHLY SURVEILLANCE. ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED: FAILURE TO PROPERLY PERFORM SURVEILLANCE, PARAGRAPH 10, AND FAILURE TO PROPERLY SET THE TURBINE LOAD LIMITER, PARAGRAPH 9, RESPECTIVELY.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* NORTH ANNA 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 1 - MAY 5, 1985 +

INSPECTION REPORT NO: 50-339/85-12 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-004	03/18/85	04/11/85	FORCED SHUTDOWN CAUSED BY INOPERABLE EMERGENCY D/G, IT COULD NOT BE DECLARED OPERABLE WITHIN THE 72 HOURS ALLOWED.
85-050	03/23/85	04/23/85	UNIT 2 REACTOR TRIP, A LOSS OF PWR OCCURRED WHEN #5 SWITCHYARD TRANSFORMER GENERATED A FAULT SIGNAL.
85-006	04/26/85	05/09/85	UNIT 2 REACTOR TRIP-AN UNLICENSED OPERATOR OPENED THE PWR SUPPLY BREAKER TO THE INVERTER.

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

2. Reporting Period: 05/01/85 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): 860

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

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

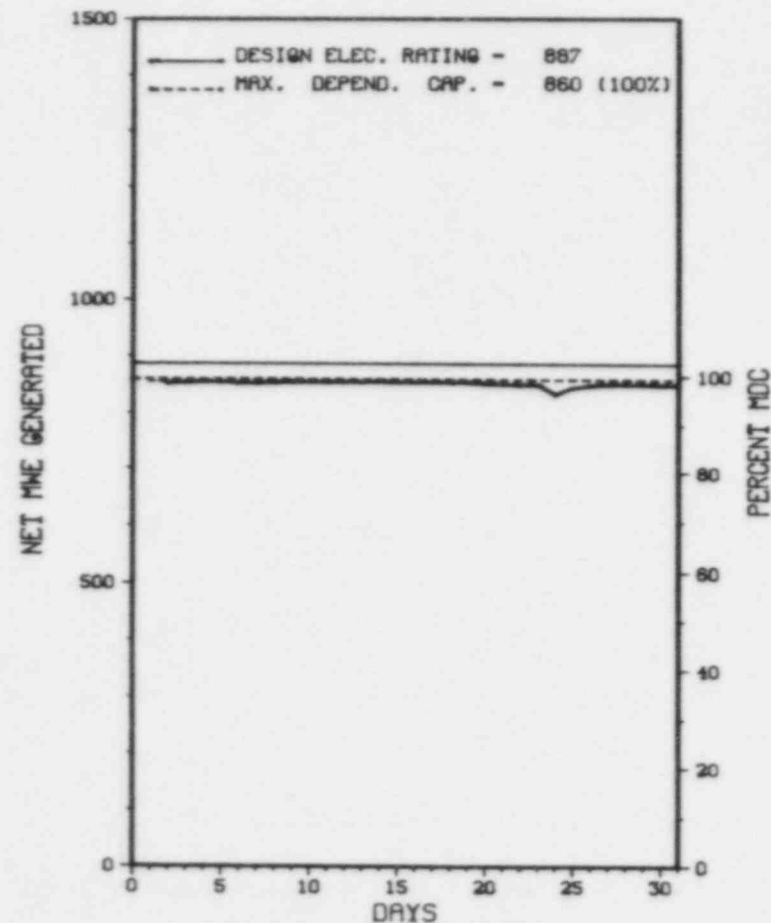
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>104,112.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,586.6</u>	<u>75,580.0</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>3,569.5</u>	<u>72,273.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,920,210</u>	<u>9,109,461</u>	<u>173,983,225</u>
18. Gross Elec Ener (MWH)	<u>664,410</u>	<u>3,168,680</u>	<u>60,505,360</u>
19. Net Elec Ener (MWH)	<u>634,500</u>	<u>3,026,982</u>	<u>57,359,268</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.5</u>	<u>69.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.5</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>97.2</u>	<u>63.9*</u>
23. Unit Cap Factor (DER Net)	<u>96.1</u>	<u>94.2</u>	<u>62.2*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.5</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>53.5</u>	<u>12,258.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5-P	05/24/85	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT & CONTROL ROD DRIVE PT'S.
6-P	05/25/85	F	0.0	A	5		ZZ	INSTRU	INTEGRATED CONTROL SYSTEM CIRCUITRY PROBLEM CAUSED RUNBACK TO 95% POWER.

* SUMMARY *

OCONEE 1 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

* OCONEE 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 11 -APRIL 10 (85-07): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING SHUTDOWN AND FOLLOWUP OF EVENTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 22 -26 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS ON SITE IN THE AREAS OF DESIGN CONTROL AND TESTS AND EXPERIMENTS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO SUBMIT AN ANNUAL REPORT OF NUCLEAR STATION MODIFICATIONS WITHIN REQUIRED TIME FRAME.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period MAY 1985

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

* OCONEE 1 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PIANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 22-26, 1985 +

INSPECTION REPORT NO: 50-269/85-11 +

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

2. Reporting Period: 05/01/85 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): 860

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

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

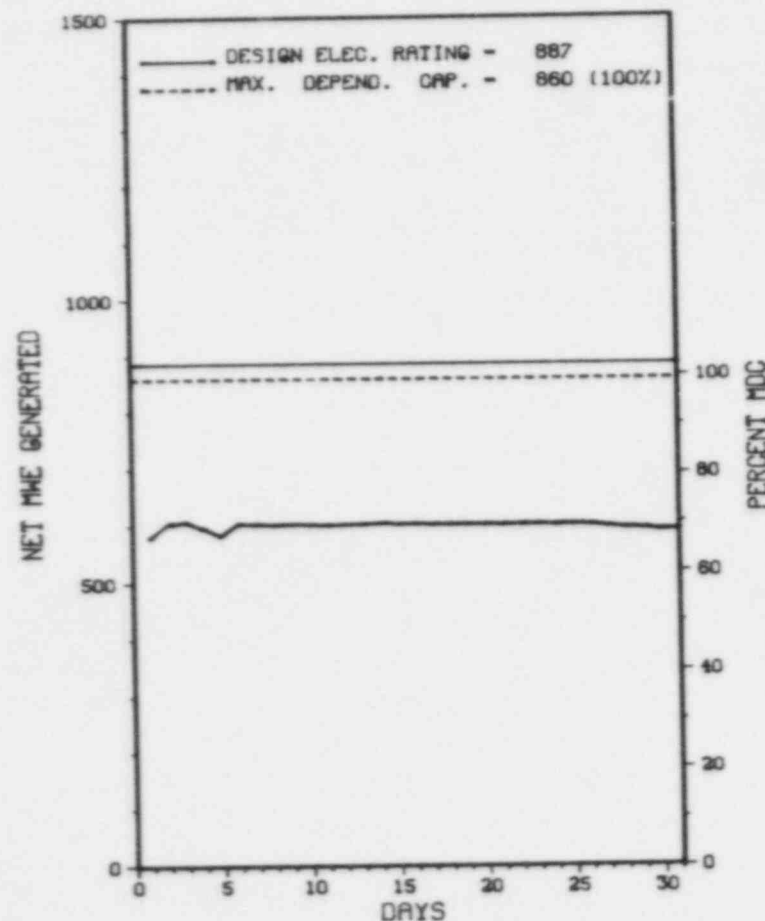
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>94,032.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,216.5</u>	<u>68,314.3</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>2,177.3</u>	<u>67,121.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,346,817</u>	<u>4,680,402</u>	<u>159,448,706</u>
18. Gross Elec Ener (MWH)	<u>471,330</u>	<u>1,590,920</u>	<u>54,318,836</u>
19. Net Elec Ener (MWH)	<u>446,095</u>	<u>1,504,957</u>	<u>51,614,490</u>
20. Unit Service Factor	<u>100.0</u>	<u>60.1</u>	<u>71.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>60.1</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>69.7</u>	<u>48.3</u>	<u>63.7*</u>
23. Unit Cap Factor (DER Net)	<u>67.6</u>	<u>46.8</u>	<u>62.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>12.7</u>	<u>10,268.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>MAINTENANCE OUTAGE - JUNE 8, 1985 - 2 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11-P	05/01/85	F	0.0	A	5		CB	HTEXCH	LIMITED DUE TO HIGH STEAM GENERATOR LEVEL.
12-P	05/01/85	F	0.0	A	5		CH	PUMPXX	RUNBACK DUE TO FEEDWATER PUMP TRIP.
13-P	05/01/85	F	0.0	A	5		CB	HTEXCH	LIMITED DUE TO HIGH STEAM GENERATOR LEVEL.
14-P	05/04/85	F	0.0	A	5		CH	PUMPXX	LOOSE TERMINAL SCREW IN THE RESET PERMISSIVE CIRCUITRY CAUSED FEEDWATER PUMP TRIP.
15-P	05/04/85	F	0.0	A	5		CB	HTEXCH	LIMITED BY HIGH STEAM GENERATOR LEVEL.
16-P	05/05/85	F	0.0	A	5		CH	PUMPXX	INSTRUMENT LINE VALVE ISOLATED 'A' PRESSURE TRANSMITTER TO FEEDWATER PUMP.
17-P	05/05/85	F	0.0	A	5		CB	HTEXCH	LIMITED DUE TO HIGH STEAM GENERATOR LEVEL.

 * SUMMARY *

 OCONEE 2 INCURRED NO SHUTDOWNS AND 7 POWER REDUCTIONS IN MAY.

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

* OCONEE 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 11 -APRIL 10 (85-07): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING SHUTDOWN AND FOLLOWUP OF EVENTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 22 -26 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 30.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF DESIGN CONTROL AND TESTS AND EXPERIMENTS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO SUBMIT AN ANNUAL REPORT OF NUCLEAR STATION MODIFICATIONS WITHIN REQUIRED TIME FRAME.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period MAY 1985

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

* DCONEE 2 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 22-26, 1985 +

INSPECTION REPORT NO: 50-269/85-11 +

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

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

85-001	03/09/85	04/09/85	INADVERTENT ACTUATION OF ENGINEERED SAFEGUARDS SYSTEM, DUE TO PERSONNEL ERROR.
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2568

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

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

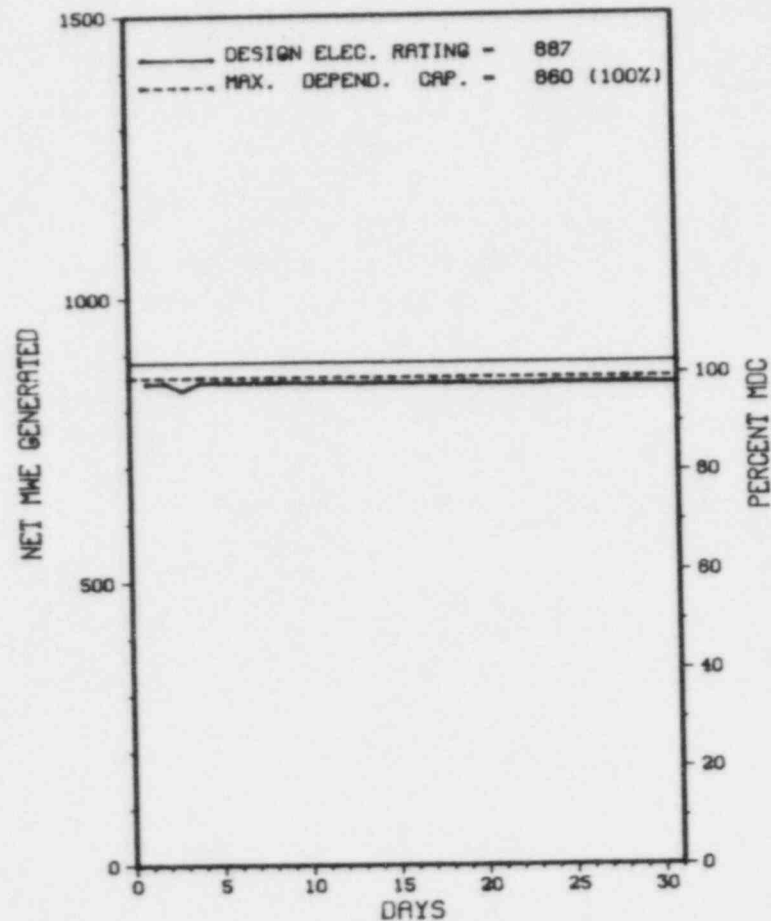
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>91,679.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,369.5</u>	<u>66,600.1</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>3,365.3</u>	<u>65,424.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,915,560</u>	<u>8,480,935</u>	<u>160,277,975</u>
18. Gross Elec Ener (MWH)	<u>659,210</u>	<u>2,918,200</u>	<u>55,343,134</u>
19. Net Elec Ener (MWH)	<u>631,670</u>	<u>2,792,806</u>	<u>52,714,179</u>
20. Unit Service Factor	<u>100.0</u>	<u>92.9</u>	<u>71.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>92.9</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>89.6</u>	<u>66.7*</u>
23. Unit Cap Factor (DER Net)	<u>95.7</u>	<u>86.9</u>	<u>64.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.1</u>	<u>14.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>257.7</u>	<u>10,804.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING - AUGUST 19, 1985 - 8 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OCONEE 3



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

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

 * SUMMARY *

OCONEE 3 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* OCONEE 3 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION MARCH 11 -APRIL 10 (85-07): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 107.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, REFUELING SHUTDOWN AND FOLLOWUP OF EVENTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 22 -26 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 30.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF DESIGN CONTROL AND TESTS AND EXPERIMENTS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO SUBMIT AN ANNUAL REPORT OF NUCLEAR STATION MODIFICATIONS WITHIN REQUIRED TIME FRAME.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period MAY 1985

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

* OCONEE 3 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 22-26, 1985 +

INSPECTION REPORT NO: 50-269/85-11 +

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1930

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

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>135,335.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,964.0</u>	<u>89,287.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>289.8</u>	<u>759.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,821.7</u>	<u>86,358.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>572.4</u>	<u>575.1</u>
17. Gross Therm Ener (MWH)	<u>1,332,000</u>	<u>4,856,940</u>	<u>142,195,800</u>
18. Gross Elec Ener (MWH)	<u>447,750</u>	<u>1,661,710</u>	<u>48,044,705</u>
19. Net Elec Ener (MWH)	<u>431,110</u>	<u>1,594,702</u>	<u>46,159,162</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.9</u>	<u>63.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>93.7</u>	<u>64.2</u>
22. Unit Cap Factor (MDC Net)	<u>93.5</u>	<u>71.0</u>	<u>55.0*</u>
23. Unit Cap Factor (DER Net)	<u>89.1</u>	<u>67.7</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.7</u>	<u>12.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>781.7</u>	<u>10,178.4</u>

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

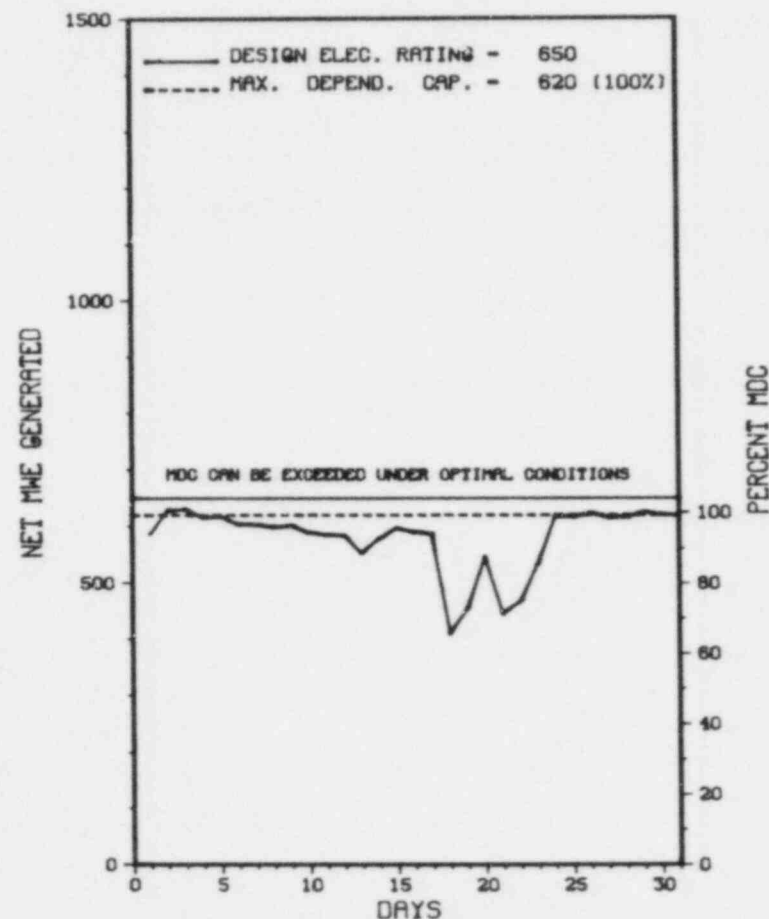
NONE

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

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

NONE

***** OYSTER CREEK 1 INCURRED NO OUTAGES OR POWER REDUCTIONS IN 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)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 3, 1969

DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969

DATE COMMERCIAL OPERATE...DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BARNEGAT BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION

CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. BATEMAN

LICENSING PROJ MANAGER.....J. DONOHEW
DOCKET NUMBER.....50-219

LICENSE & DATE ISSUANCE...DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI, CORRECTIVE ACTION, REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS DEFICIENCIES ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, MEASURES WERE NOT ESTABLISHED TO PROMPTLY EVALUATE, TAKE CORRECTIVE ACTIONS, AND REPORT A CONDITION IN WHICH THE CONTAINMENT SPRAY HEAT EXCHANGERS PRESSURE WAS BEING MAINTAINED IN A CONDITION CONTRARY TO THAT DESCRIBED IN THE FACILITY DESCRIPTION AND SAFETY ANALYSIS REPORT (CONTAINMENT SPRAY WATER PRESSURE HIGHER THAN THE EMERGENCY SERVICE WATER PRESSURE). THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). TECHNICAL SPECIFICATION 6.8.1 REQUIRES, IN PART, THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED. PARAGRAPH 3.8.7.2 OF STATION PROCEDURE 113, CONDUCT OF INSTALLED INSTRUMENT SURVEILLANCE, CALIBRATION, AND MAINTENANCE, REQUIRES THAT A TRIP SIGNAL BE INSERTED INTO A CHANNEL UNDERGOING SURVEILLANCE IF ITS SENSING INSTRUMENT IS VALVED OUT OF SERVICE FOR GREATER THAN ONE HOUR. CONTRARY TO THE ABOVE, ON JANUARY 10, 1985, A REACTOR WATER LEVEL TRIPLE LOW LEVEL SENSOR WAS VALVED OUT OF SERVICE FOR 71 MINUTES AND NO TRIP SIGNAL WAS INSERTED. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). TECHNICAL SPECIFICATIONS, SECTION 6.8, STATES IN PART, "WRITTEN PROCEDURES ARE REQUIRED TO BE IMPLEMENTED TO COVER TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT." CONTRARY TO THE ABOVE, MAINTENANCE ORDER 85-ESS-0042, CALIBRATION OF LEVEL TRANSMITTER LT-0437A, REQUIRED BY TECHNICAL SPECIFICATION, SECTION 3.19.1.A, WAS ACCOMPLISHED WITHOUT A PROCEDURE.

PAGE 2-239

ENFORCEMENT SUMMARY

FOR BORON, DUE ON FEBRUARY 10, 1985, WAS NOT ACCOMPLISHED WITHIN THE 31 DAY SURVEILLANCE PERIOD PLUS THE 25% GRACE PERIOD. 10 CFR 50.54(Q) STATES, IN PART, THAT A LICENSEE AUTHORIZED TO OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS OF 10 CFR 50.47(B) OF THIS PART AND THE REQUIREMENTS OF APPENDIX E TO THIS PART. SECTION 8.1.1 OF THE PALISADES NUCLEAR PLANT SITE EMERGENCY PLAN STATES, IN PART, THAT PALISADES PLANT PERSONNEL WILL RECEIVE TRAINING (TABLE 8.1). TABLE 8.1 OF THE EMERGENCY PLAN STATES, IN PART, THAT ALL PERSONNEL RESPONSIBLE FOR ASSESSMENT OF EMERGENCIES, INCLUDING OSC AND TSC SUPERVISORS, ATTEND AT LEAST ONE MEETING PER YEAR TO RECEIVE TRAINING ON THE SITE EMERGENCY PLAN AND IMPLEMENTING PROCEDURES. CONTRARY TO THE ABOVE, TWO OPERATIONAL SUPPORT CENTER (OSC) DIRECTOR DESIGNEES, TWO HEALTH PHYSICS SUPPORT GROUP LEADER DESIGNEES FOR THE TECHNICAL SUPPORT CENTER, AND ONE CHEMISTRY SUPERVISOR DESIGNEE FOR THE OSC HAVE NOT RECEIVED THE REQUIRED ANNUAL EMERGENCY PREPAREDNESS TRAINING WITHIN THE LAST FIFTEEN MONTHS.
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2530

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

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

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

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

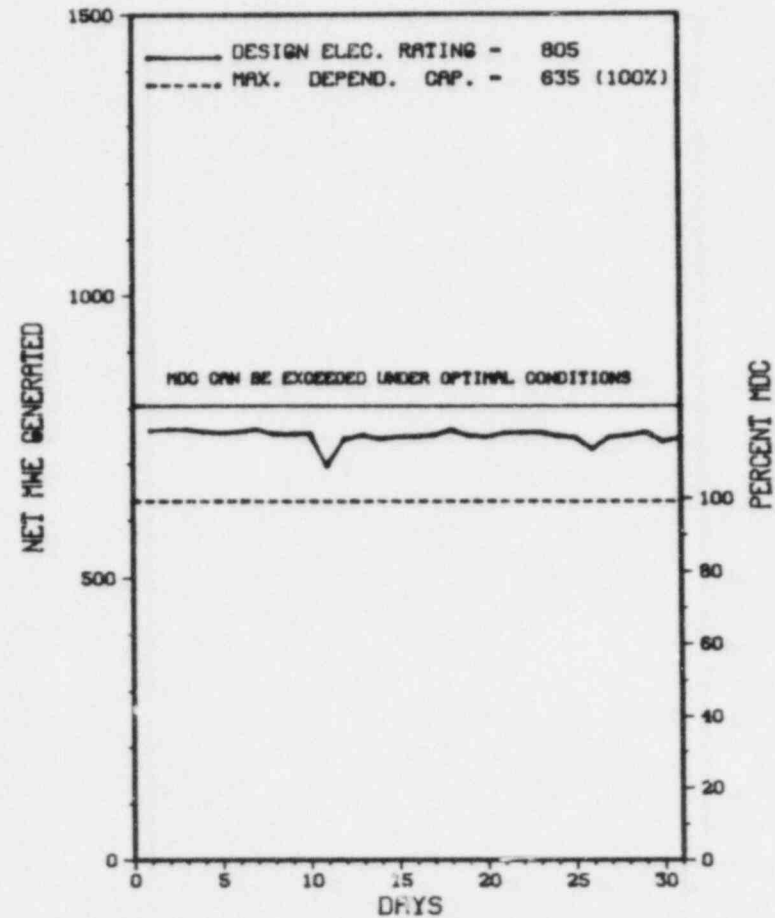
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>117,902.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>64,433.2</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>3,597.7</u>	<u>61,212.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,841,352</u>	<u>8,672,520</u>	<u>126,755,472</u>
18. Gross Elec Ener (MWH)	<u>588,260</u>	<u>2,784,390</u>	<u>39,402,180</u>
19. Net Elec Ener (MWH)	<u>558,772</u>	<u>2,642,061</u>	<u>37,081,624</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.3</u>	<u>51.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.3</u>	<u>51.9</u>
22. Unit Cap Factor (MDC Net)	<u>118.3</u>	<u>114.8</u>	<u>49.5</u>
23. Unit Cap Factor (DER Net)	<u>93.3</u>	<u>90.6</u>	<u>39.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>32.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>25.3</u>	<u>14,924.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

 * PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

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

NONE

* SUMMARY *

PALISADES OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* PALISADES *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....VANBUREN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 24, 1971

DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971

DATE COMMERCIAL OPERATE...DECEMBER 31, 1971

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN
49423 49007

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

INSPECTION SUMMARY

INSPECTION ON MARCH 5 THROUGH APRIL 8 (85008): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION; AND, TMI ITEMS. THE INSPECTION INVOLVED A TOTAL OF 117 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 24 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND IN FIVE AREAS. TWO VIOLATIONS WERE IDENTIFIED IN THE AREAS OF SURVEILLANCE (PROCEDURAL VIOLATION AND INADEQUATE SURVEILLANCE PROCEDURE REQUIRED BY TECHNICAL SPECIFICATIONS).

INSPECTION ON APRIL 23-26 AND MAY 1-2 (85010): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS, INTERNAL AND EXTERNAL EXPOSURE CONTROLS, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, FACILITIES AND EQUIPMENT, IE INFORMATION NOTICE NO. 85-06, AND OPEN ITEMS. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS. TWO VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURES).

MEETING ON MAY 3 (85012): A SPECIAL MANAGEMENT MEETING WAS CONDUCTED TO DISCUSS WEAKNESSES IN YOUR EMERGENCY PROGRAM RELATED TO TIMELY CLASSIFICATION OF EMERGENCIES AND SUBSEQUENT NOTIFICATIONS TO OFFSITE AUTHORITIES IN A TIMELY MANNER. OTHER RELATED ASPECTS OF THIS SUBJECT WERE ALSO DISCUSSED. THE MEETING INVOLVED 9 INSPECTOR-HOURS ONSITE BY 6 NRC REPRESENTATIVES.

INSPECTION STATUS - (CONTINUED)

PAGE 2-245

INSPECTION STATUS - (CONTINUED)

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>95,615.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>62,283.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>60,556.6</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>178,420,001</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>58,718,660</u>
19. Net Elec Ener (MWH)	<u>-10,067</u>	<u>-36,470</u>	<u>56,225,868</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>63.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>63.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>12.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,628.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

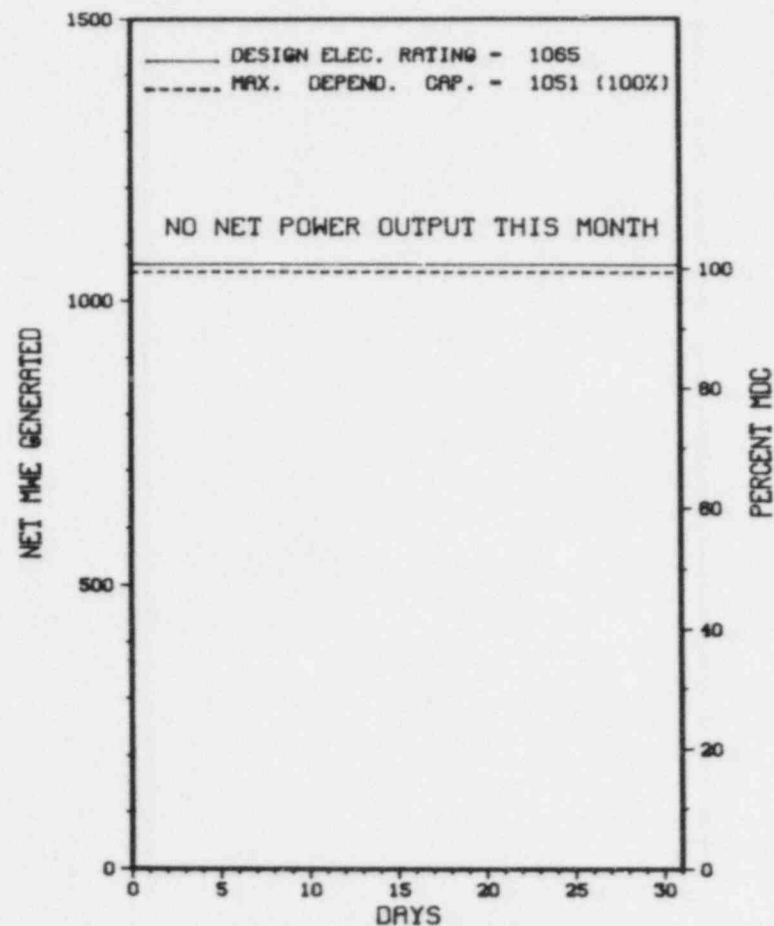
NONE

27. If Currently Shutdown Estimated Startup Date: 06/20/85

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	04/27/84	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING, MAINTENANCE, AND MAJOR MODIFICATION OUTAGE.

* SUMMARY *

PEACH BOTTOM 2 REMAINS SHUT DOWN FOR REFUELING, MAINTENANCE AND MODIFICATIONS.

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

* PEACH BOTTOM 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE....JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. JOHNSON
LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-277
LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1985

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

* PEACH BOTTOM 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWe): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

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

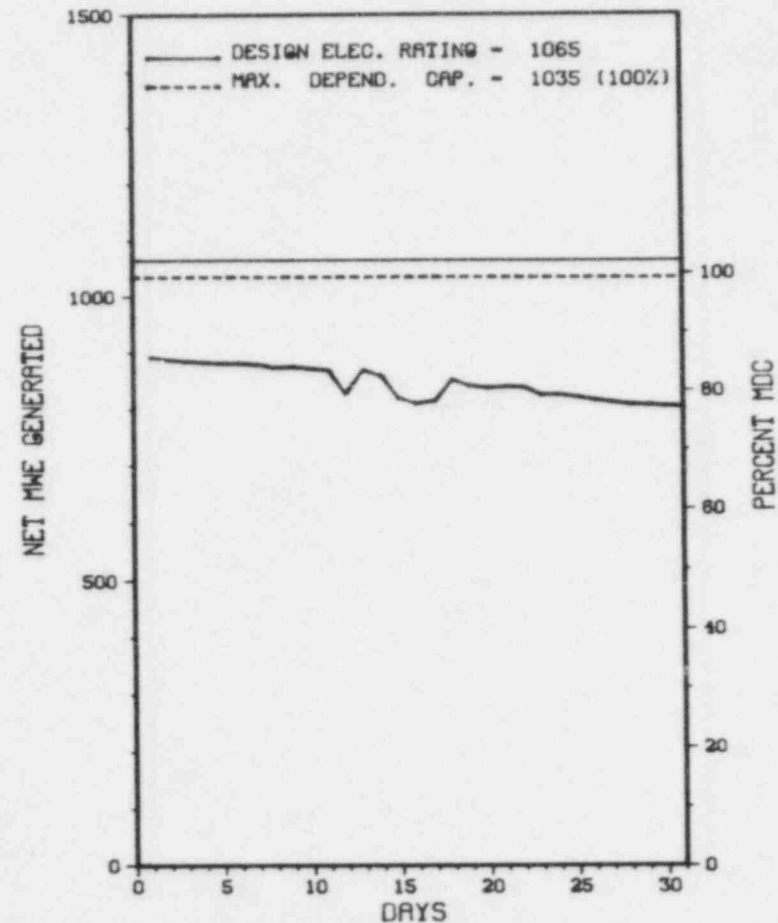
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>91,511.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,984.7</u>	<u>67,542.5</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>2,933.3</u>	<u>65,798.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,062,152</u>	<u>8,285,064</u>	<u>192,484,872</u>
18. Gross Elec Ener (MWH)	<u>661,220</u>	<u>2,703,600</u>	<u>63,211,140</u>
19. Net Elec Ener (MWH)	<u>629,440</u>	<u>2,589,956</u>	<u>60,699,258</u>
20. Unit Service Factor	<u>100.0</u>	<u>81.0</u>	<u>71.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>81.0</u>	<u>71.9</u>
22. Unit Cap Factor (MDC Net)	<u>81.7</u>	<u>69.1</u>	<u>64.1</u>
23. Unit Cap Factor (DER Net)	<u>79.4</u>	<u>67.1</u>	<u>62.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>7.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>31.5</u>	<u>5,126.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING & MAINTENANCE: 6/28/85 - 8 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* P E A C H B O T T O M 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	05/12/85	S	0.0	F	5		RC	ZZZZZZ	LOAD REDUCTION FOR MAIN STEAM ISOLATION VALVE CLOSURE TIME TESTING AND ROD ADJUSTMENT.
9	05/15/85	F	0.0	B	5		CB	PUMPXX	POWER REDUCED TO EVALUATE INNER SEAL PRESSURE ON 3B RECIRCULATION PUMP.

 * SUMMARY *

PEACH BOTTOM 3 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

* PEACH BOTTOM 3 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 7, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974
DATE COMMERCIAL OPERATE...DECEMBER 23, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period MAY 1985

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

* PEACH BOTTOM 3 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: P. HAMILTON (617) 746-7900

4. Licensed Thermal Power (MWt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 7 & 8 RE-EVALUATED.

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

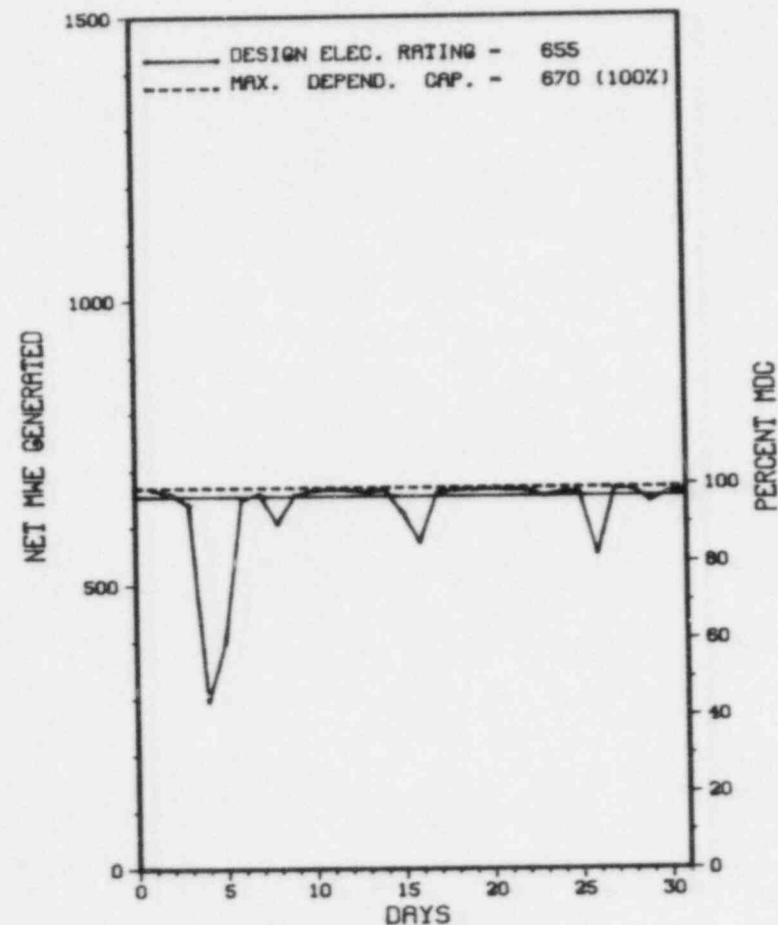
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>109,367.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,176.0</u>	<u>73,080.2</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>3,079.8</u>	<u>70,635.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,415,712</u>	<u>5,549,832</u>	<u>122,981,808</u>
18. Gross Elec Ener (MWH)	<u>488,440</u>	<u>1,909,990</u>	<u>41,142,204</u>
19. Net Elec Ener (MWH)	<u>470,229</u>	<u>1,836,937</u>	<u>39,533,864</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.0</u>	<u>64.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.0</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>94.3</u>	<u>76.3</u>	<u>54.0</u>
23. Unit Cap Factor (DER Net)	<u>96.5</u>	<u>77.4</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.0</u>	<u>9.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>543.2</u>	<u>7,385.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	05/04/85	F	0.0	B	5		ZZ	ZZZZZZ	REDUCED POWER TO CLEAN CONDENSER WATERBOXES AND BACKWASH.

 * SUMMARY *

 PILGRIM 1 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

* PILGRIM 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 16, 1972
DATE ELEC ENER 1ST GENER...JULY 19, 1972
DATE COMMERCIAL OPERATE...DECEMBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE COD BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON
CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. JOHNSON
LICENSING PROJ MANAGER....P. LEECH
DOCKET NUMBER.....50-293
LICENSE & DATE ISSUANCE...DPR-35, SEPTEMBER 15, 1972
PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

INSPECTION STATUS - (CONTINUED)

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*           PILGRIM 1           *
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MANAGERIAL ITEMS:

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

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

11. Reasons for Restrictions, If Any: NONE

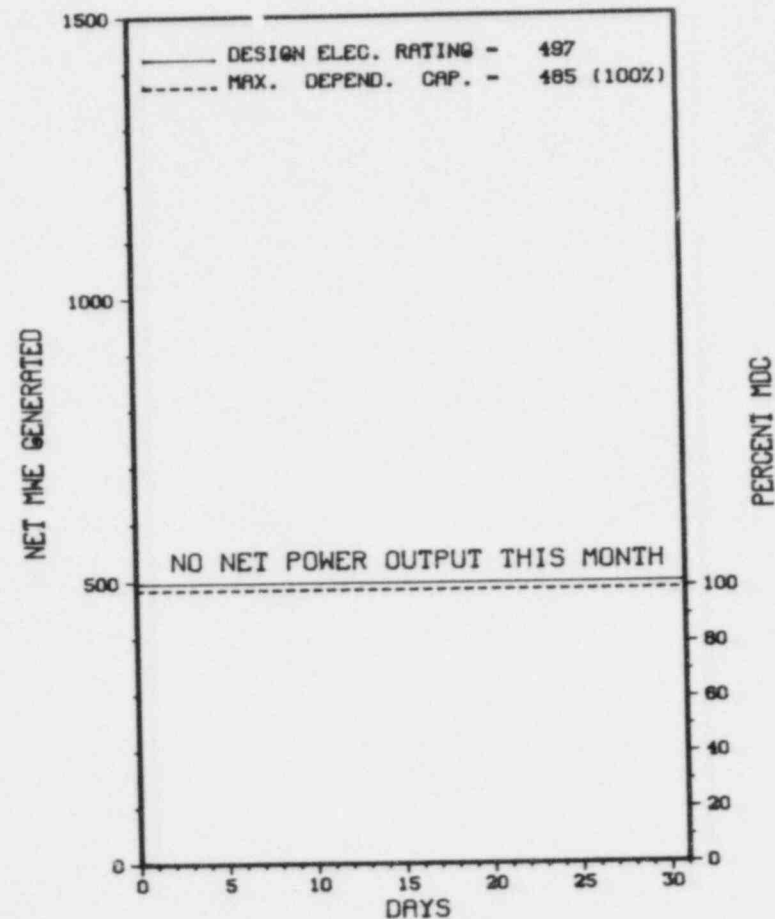
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>127,703.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,269.0</u>	<u>102,767.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>629.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,259.7</u>	<u>100,247.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>802.5</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,388,211</u>	<u>136,337,188</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,164,860</u>	<u>45,810,100</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,116,064</u>	<u>43,593,154</u>
20. Unit Service Factor	<u>.0</u>	<u>62.4</u>	<u>78.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>62.4</u>	<u>79.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>63.5</u>	<u>69.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>62.0</u>	<u>68.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,406.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/18/85

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	04/05/85	S	744.0	C	4		RC	FUELXX	CONTINUED 60-DAY REFUELING AND MAINTENANCE OUTAGE.

* SUMMARY *

POINT BEACH 1 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

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

* POINT BEACH 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 2, 1970

DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970

DATE COMMERCIAL OPERATE...DECEMBER 21, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266

LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970

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TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON MAY 6-9 (85005): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; CHANGES IN THE EMERGENCY PREPAREDNESS PROGRAM; AND, LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED EMERGENCY PREPAREDNESS ITEMS. THE INSPECTION INVOLVED 134 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND ONE CONSULTANT. TWO APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED: FAILURE OF SHIFT SUPERINTENDENTS TO MAKE AN ADEQUATE OFFSITE PROTECTIVE ACTION RECOMMENDATION (PROTECTIVE ACTION DECISIONMAKING); AND, FAILURE TO CONDUCT REQUIRED TRAINING OF ALL KEY EMERGENCY RESPONSE PERSONNEL (KNOWLEDGE AND PERFORMANCE OF DUTIES). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS INSPECTED. IN ADDITION, ONE UNRESOLVED ITEM IN THE AREA OF SECURITY EVENTS AND THE WAY THEY ARE ADDRESSED IN THE EMERGENCY ACTION LEVELS IS BEING REVIEWED.

INSPECTION ON APRIL 11 (85006): LICENSEE ACTION RELATIVE TO IE BULLETIN 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF 10 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 15-19 (85007): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING REFUELING AND MAINTENANCE OUTAGE ACTIVITIES, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; ALARA PROGRAM; INTERNAL AND EXTERNAL EXPOSURE CONTROLS; POSTING AND ACCESS CONTROLS; CONTAMINATION CONTROL; AND TRAINING. ALSO REVIEWED WERE SELECTED OPEN ITEMS AND IE INFORMATION NOTICE NO. 85006. THE INSPECTION INVOLVED 78 INSPECTOR-HOURS BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

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

* POINT BEACH 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JUNE 4, 1985

INSPECTION REPORT NO: 85009

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

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

85-01	04/05/85	05/03/85	INADVERTENT SAFETY INJECTION ACTUATION ON LOW STEAM LINE PRESSURE
=====			

1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

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

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>112,488.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>99,595.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,623.0</u>	<u>97,932.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>1,125,089</u>	<u>5,454,791</u>	<u>137,207,763</u>
18. Gross Elec Ener (MWH)	<u>383,690</u>	<u>1,858,600</u>	<u>46,498,740</u>
19. Net Elec Ener (MWH)	<u>366,706</u>	<u>1,778,245</u>	<u>44,295,883</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>87.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>87.2</u>
22. Unit Cap Factor (MDC Net)	<u>101.6</u>	<u>101.2</u>	<u>80.2*</u>
23. Unit Cap Factor (DER Net)	<u>99.2</u>	<u>98.8</u>	<u>79.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>697.2</u>

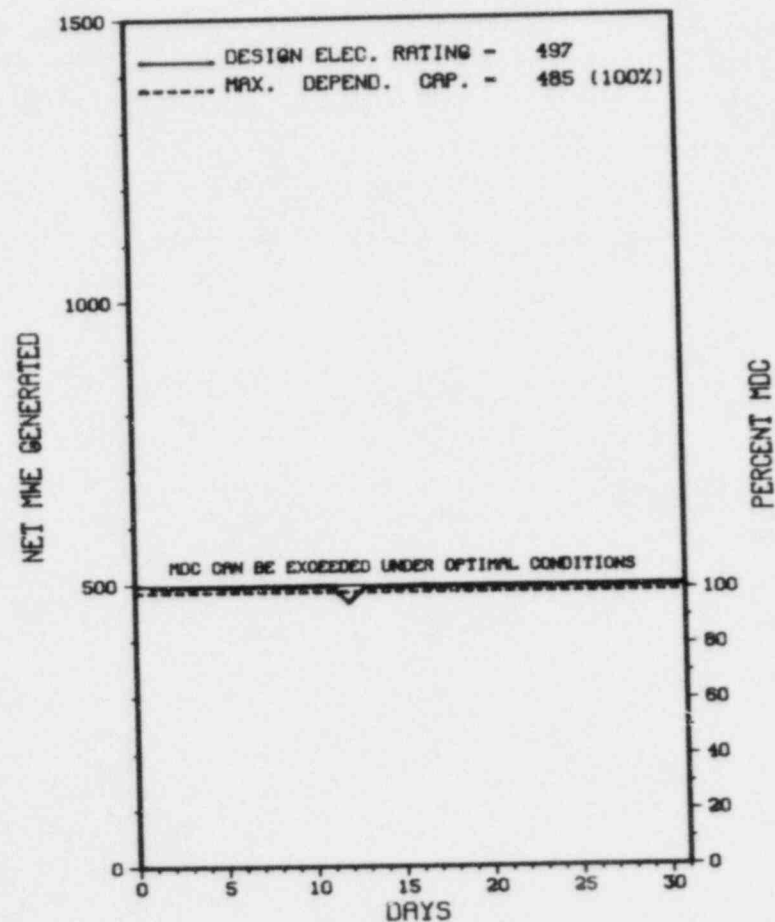
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: SEPTEMBER 20, 1985.

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

 * POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

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 POWER REDUCTIONS REPORTED.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 30, 1972
DATE ELEC ENER 1ST GENER...AUGUST 2, 1972
DATE COMMERCIAL OPERATE...OCTOBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 6-9 (85005): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE POINT BEACH NUCLEAR PLANT EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; CHANGES IN THE EMERGENCY PREPAREDNESS PROGRAM; AND, LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED EMERGENCY PREPAREDNESS ITEMS. THE INSPECTION INVOLVED 134 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND ONE CONSULTANT. TWO APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED: FAILURE OF SHIFT SUPERINTENDENTS TO MAKE AN ADEQUATE OFFSITE PROTECTIVE ACTION RECOMMENDATION (PROTECTIVE ACTION DECISIONMAKING); AND, FAILURE TO CONDUCT REQUIRED TRAINING OF ALL KEY EMERGENCY RESPONSE PERSONNEL (KNOWLEDGE AND PERFORMANCE OF DUTIES). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS INSPECTED. IN ADDITION, ONE UNRESOLVED ITEM IN THE AREA OF SECURITY EVENTS AND THE WAY THEY ARE ADDRESSED IN THE EMERGENCY ACTION LEVELS IS BEING REVIEWED.

INSPECTION ON APRIL 11 (85006): LICENSEE ACTION RELATIVE TO IE BULLETIN 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF 10 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 15-19 (85007): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING REFUELING AND MAINTENANCE OUTAGE ACTIVITIES, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; ALARA PROGRAM; INTERNAL AND EXTERNAL EXPOSURE CONTROLS; POSTING AND ACCESS CONTROLS; CONTAMINATION CONTROL; AND TRAINING. ALSO REVIEWED WERE SELECTED OPEN ITEMS AND IE INFORMATION NOTICE NO. 85006. THE INSPECTION INVOLVED 78 INSPECTOR-HOURS BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

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

* POINT BEACH 2 *

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 10 - APRIL 13 (85003; 85003): ROUTINE, UNANNOUNCED INSPECTION BY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JUNE 4, 1985

INSPECTION REPORT NO: 85009

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

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

NONE			
=====			

1. Docket: 50-282 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>100,439.0</u>
13. Hours Reactor Critical	<u>717.1</u>	<u>2,230.1</u>	<u>82,224.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>714.6</u>	<u>2,211.8</u>	<u>80,879.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,171,123</u>	<u>3,439,953</u>	<u>127,039,211</u>
18. Gross Elec Ener (MWH)	<u>379,990</u>	<u>1,130,530</u>	<u>41,422,630</u>
19. Net Elec Ener (MWH)	<u>356,130</u>	<u>1,058,742</u>	<u>38,809,560</u>
20. Unit Service Factor	<u>96.0</u>	<u>61.0</u>	<u>80.5</u>
21. Unit Avail Factor	<u>96.0</u>	<u>61.0</u>	<u>80.5</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>58.1</u>	<u>76.8</u>
23. Unit Cap Factor (DER Net)	<u>90.3</u>	<u>55.1</u>	<u>72.9</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>1.3</u>	<u>8.0</u>
25. Forced Outage Hours	<u>29.4</u>	<u>29.4</u>	<u>3,376.5</u>

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

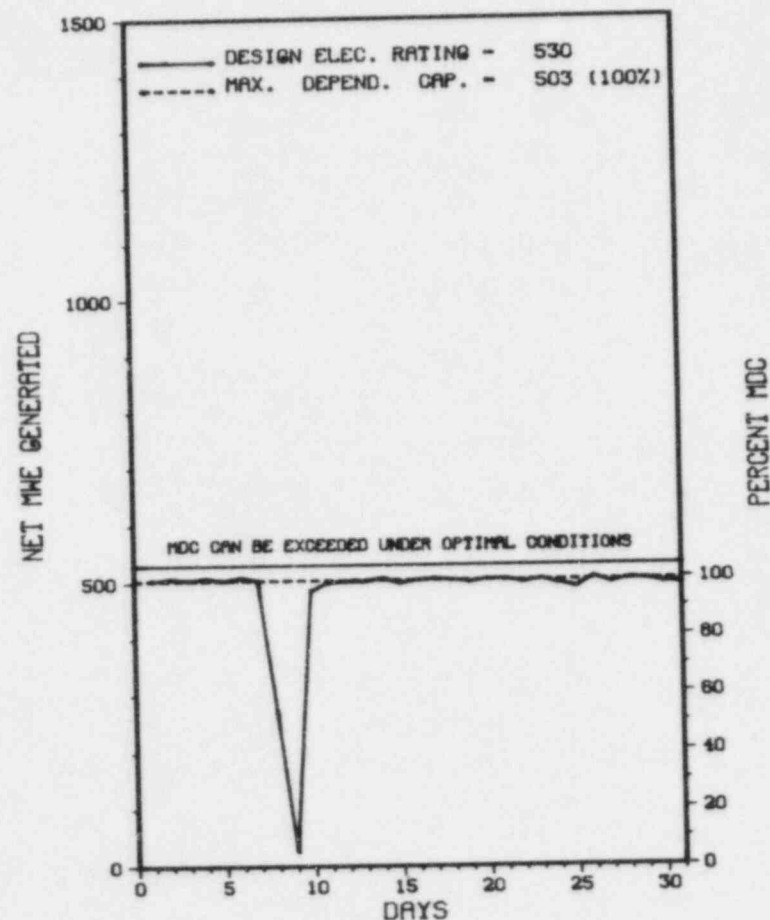
NONE

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	05/08/85	F	29.4	A	3	85-009	LD	PSF	THE UNIT TRIPPED WHEN A 2 INCH AIR LINE RUPTURED AT AN ELBOW JOINT.
	05/09/85	F	0.0	A	5	85-010			THE UNIT TRIPPED ON RESTART DUE TO LOW STEAM GENERATOR LEVEL.
	05/28/85	S	0.0	B	5				AXIAL OFFSET CALIBRATION.

* SUMMARY *

PRAIRIE ISLAND 1 INCURRED 1 SHUTDOWN IN MAY BECAUSE OF AN AIR LINE RUPTURE.

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

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 1, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973

DATE COMMERCIAL OPERATE...DECEMBER 16, 1973

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

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

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

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MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 10 - APRIL 13 (85003): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, REGIONAL REQUESTS, MEETING WITH CORPORATE MANAGEMENT, AND FOLLOWUP OF LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 385 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 37 HOURS ONSITE DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS WERE IDENTIFIED IN SIX AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA (FAILURE TO DEMONSTRATE OPERABILITY OF 22 DIESEL COOLING WATER PUMP AND D-2 DIESEL GENERATOR, AND FAILURE TO MAINTAIN REQUIRED CAUSTIC ADDITION STANDPIPE LEVEL).

INSPECTION ON MARCH 25 THROUGH MARCH 29 (85008): ROUTINE, ANNOUNCED INSPECTION OF CONTROL ROD WORTH MEASUREMENTS, CORE POWER DISTRIBUTION LIMITS, AND CORE THERMAL POWER EVALUATION. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 2 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE THREE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW A SURVEILLANCE PROCEDURE RESULTING IN THE LICENSED POWER LIMIT BEING EXCEEDED).

INSPECTION ON APRIL 15-19 (85009): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* PRAIRIE ISLAND 1 *

INSPECTION SUMMARY

QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 67 TOTAL INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAYSHIFT PERIOD, 12 HOURS WERE ACCOMPLISHED DURING THE OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING ITEMS: (1) COMPENSATORY MEASURES: THE LICENSEE FAILED TO ADEQUATELY IMPLEMENT COMPENSATORY MEASURES FOR A FAILED SECURITY SYSTEM. (2) ASSESSMENT AIDS: A NUMBER OF THE LICENSEE'S ASSESSMENT AIDS WERE NOT ADEQUATE IN PROVIDING SURVEILLANCE OF THE PROTECTED AREA PERIMETER BARRIER. (3) DETECTION AIDS - PROTECTED AREAS: THE PROTECTION AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN ONE ZONE. ONE OF THE TWO PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE WAS CLOSED; HOWEVER, THE SECOND ITEM WILL REMAIN OPEN PENDING REVIEW OF THE LICENSEE'S CORRECTIVE ACTION ON ITEM 3 NOTED ABOVE, SINCE THE TWO ITEMS ARE SIMILAR IN NATURE. PROGRAM WEAKNESSES OR CONCERNS WERE ALSO NOTED IN THE FOLLOWING AREAS: MANAGEMENT EFFECTIVENESS; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW.

INSPECTION ON APRIL 15 THROUGH MAY 2 (85011): ROUTINE, ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF LICENSEE EVENT REPORTS; CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) RESULTS; TECHNICAL SPECIFICATION; LOCAL LEAK RATE TEST PROCEDURE AND RESULTS; AND AS FOUND CILRT RESULTS. THE INSPECTION INVOLVED 18 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 2 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. THIRTY-FOUR INSPECTOR-HOURS WERE EXPENDED IN THE REGION III OFFICE. OF THE FIVE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS. IN THE REMAINING AREAS THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED INCLUDING THREE EXAMPLES OF FAILURE TO HAVE ADEQUATE CILRT PROCEDURES AS REQUIRED BY 10 CFR PART 50, APPENDIX B, CRITERION V (FAILURE TO FOLLOW PROCEDURES AS REQUIRED BY TECHNICAL SPECIFICATION 6.5; AND FAILURE TO DETERMINE THE AS-FOUND CONTAINMENT LEAKAGE AS REQUIRED BY 10 CFR PART 50, APPENDIX J, AND ANSI N45.4-1972).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.3.D.1 STATES, IN PART, "A REACTOR SHALL NOT BE MADE OR MAINTAINED CRITICAL NOR SHALL IT BE HEATED OR MAINTAINED ABOVE 200 DEGREES F., UNLESS THE FOLLOWING CONDITIONS ARE SATISFIED, EXCEPT AS PROVIDED BY SPECIFICATION 3.3.D.2 BELOW . . . 2.(A) ONE DIESEL DRIVEN COOLING WATER PUMP MAY BE INOPERABLE FOR A PERIOD NOT TO EXCEED SEVEN DAYS PROVIDED: (1) THE OPERABILITY OF THE OTHER DIESEL DRIVEN PUMP AND ITS ASSOCIATED DIESEL GENERATOR ARE DEMONSTRATED IMMEDIATELY AND AT LEAST EVERY 24 HOURS THEREAFTER." CONTRARY TO THE ABOVE, ON FEBRUARY 18, 1985, WITH UNIT 1 AT ZERO POWER AND UNIT 2 AT FULL POWER, THE 12 DIESEL DRIVEN COOLING WATER PUMP WAS INOPERABLE FOR APPROXIMATELY SIX HOURS WITHOUT HAVING DEMONSTRATED OPERABILITY OF THE 21 DIESEL DRIVEN COOLING WATER PUMP AND D-2 DIESEL GENERATOR. TECHNICAL SPECIFICATION 6.5.A.4 REQUIRES THAT DETAILED WRITTEN PROCEDURES BE PREPARED AND FOLLOWED FOR SURVEILLANCE AND TESTING REQUIREMENTS THAT COULD HAVE AN EFFECT ON NUCLEAR SAFETY. STEP 8 OF SURVEILLANCE PROCEDURE SP 1005, "UNIT 1 NUCLEAR POWER RANGE DAILY CALIBRATION," REQUIRES THAT ANY OF THE FOUR NUCLEAR POWER RANGE CHANNELS BE RECALIBRATED WHERE CALCULATED POWER IS GREATER THAN CHANNEL INDICATED POWER. LICENSE NO. DPR-42 REQUIRES THAT STEADY STATE REACTOR CORE POWER LEVELS BE LESS THAN OR EQUAL TO 1650 MEGAWATTS THERMAL. CONTRARY TO THE ABOVE, DURING THE PERFORMANCE OF PROCEDURE SP1005 ON MARCH 19 AND 20, 1985, THE RECALIBRATION REQUIRED BY STEP 8 WAS NOT PERFORMED BECAUSE OF A CALCULATIONAL ERROR WHICH MADE IT APPEAR THAT CALCULATED POWER WAS LESS THAN INDICATED POWER. IN FACT, THE REVERSE WAS TRUE. THE FAILURE TO RECALIBRATE THE NUCLEAR POWER RANGE INSTRUMENTS LED TO THE LICENSE POWER LEVEL BEING EXCEEDED BY 3 MEGAWATTS THERMAL (0.16%) BASED ON A CALCULATION OF AVERAGE POWER LEVEL DURING THE EIGHT HOUR SHIFT FROM 11:00 P.M. ON MARCH 19, 1985, TO 7:00 A.M. ON MARCH 20, 1985. LICENSEE FAILED TO ADEQUATELY IMPLEMENT ESTABLISHED COMPENSATORY MEASURES FOR A FAILED SECURITY COMPUTER SYSTEM. MONITORING OF THE PA PERIMETER WAS NOT ADEQUATELY PROVIDED IN THAT SIX OF SEVENTEEN CAMERAS WERE DEGRADED.

ONE OF SEVENTEEN PA INTRUSION ALARM ZONES FAILED TO DETECT ATTEMPTED PENETRATIONS CONDUCTED BY THE INSPECTOR.

TECHNICAL SPECIFICATION 3.3.B.1 STATES, IN PART, "A REACTOR SHALL NOT BE MADE OR MAINTAINED CRITICAL NOR SHALL IT BE HEATED ABOVE 200 DEGREES F. UNLESS THE FOLLOWING CONDITIONS ARE SATISFIED. . . C.(2) THE SPRAY ADDITIVE TANK CONTAINS NOT LESS THAN 2590 GALLONS OF SOLUTION WITH A SODIUM HYDROXIDE CONCENTRATION OF 9% TO 11% BY WEIGHT INCLUSIVE." CONTRARY TO THE ABOVE, ON FEBRUARY 20, 1985, WITH UNIT 2 AT FULL POWER, THE CAUSTIC ADDITION TANK LEVEL WAS BELOW 2590 GALLONS FOR APPROXIMATELY ONE HOUR.

Report Period MAY 1985

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

* PRAIRIE ISLAND 1 *

ENFORCEMENT SUMMARY

LICENSEE FAILED TO ADEQUATELY IMPLEMENT ESTABLISHED COMPENSATORY MEASURES FOR A FAILED SECURITY COMPUTER SYSTEM. MONITORING OF THE PA PERIMETER WAS NOT ADEQUATELY PROVIDED IN THAT SIX OF SEVENTEEN CAMERAS WERE DEGRADED.

ONE OF SEVENTEEN PA INTRUSION ALARM ZONES FAILED TO DETECT ATTEMPTED PENETRATIONS CONDUCTED BY THE INSPECTOR.

(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 22 - 23, 1985

INSPECTION REPORT NO: 85013

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: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 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):

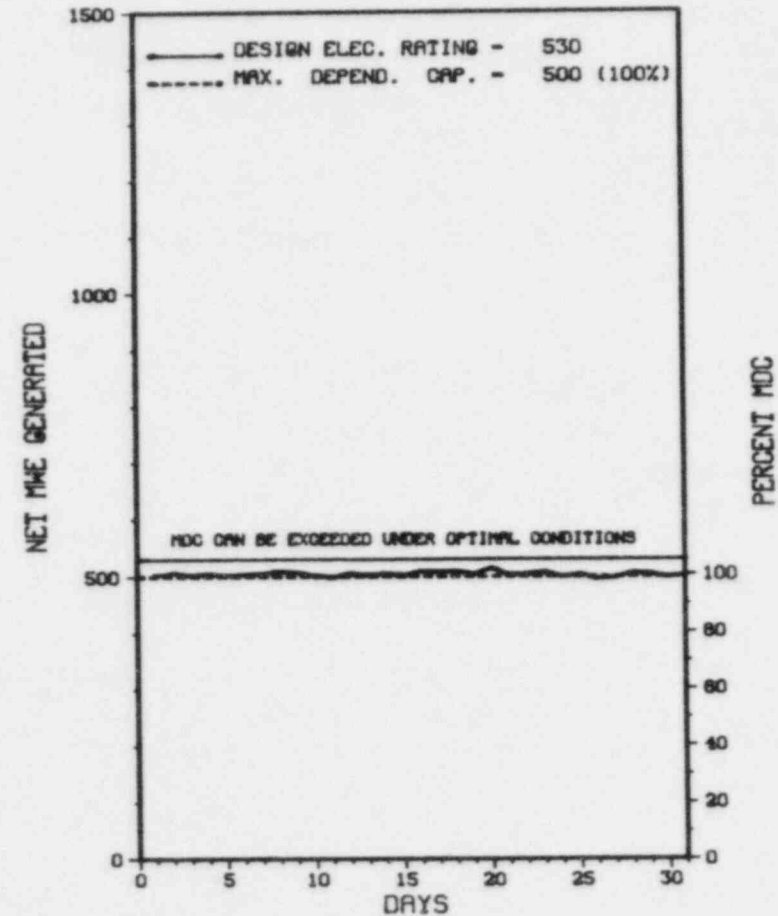
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>91,557.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>79,717.3</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>3,623.0</u>	<u>78,747.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,222,272</u>	<u>5,888,741</u>	<u>124,048,973</u>
18. Gross Elec Ener (MWH)	<u>397,950</u>	<u>1,963,470</u>	<u>40,200,370</u>
19. Net Elec Ener (MWH)	<u>375,026</u>	<u>1,862,198</u>	<u>37,743,037</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>86.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>86.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>102.8</u>	<u>82.4</u>
23. Unit Cap Factor (DER Net)	<u>95.1</u>	<u>97.0</u>	<u>77.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,315.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>TEN YEAR OUTAGE IN SEPTEMBER 1985.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	05/06/85	S	0.0	B	5			AXIAL OFFSET CALIBRATION.

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 17, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974

DATE COMMERCIAL OPERATE...DECEMBER 21, 1974

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

LICENSING PROJ MANAGER....D. DIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 10 - APRIL 13 (85003): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, REGIONAL REQUESTS, MEETING WITH CORPORATE MANAGEMENT, AND FOLLOWUP OF LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 385 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 37 HOURS ONSITE DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS WERE IDENTIFIED IN SIX AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA (FAILURE TO DEMONSTRATE OPERABILITY OF 22 DIESEL COOLING WATER PUMP AND D-2 DIESEL GENERATOR, AND FAILURE TO MAINTAIN REQUIRED CAUSTIC ADDITION STANDPIPE LEVEL).

INSPECTION ON APRIL 15-19 (85007): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 67 TOTAL INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAYSHIFT PERIOD, 12 HOURS WERE ACCOMPLISHED DURING THE OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING ITEMS: (1) COMPENSATORY MEASURES: THE LICENSEE FAILED TO ADEQUATELY IMPLEMENT COMPENSATORY MEASURES FOR A FAILED SECURITY SYSTEM. (2) ASSESSMENT AIDS: A NUMBER OF THE LICENSEE'S ASSESSMENT AIDS WERE NOT ADEQUATE IN PROVIDING SURVEILLANCE OF THE PROTECTED AREA

Report Period MAY 1985

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

* PRAIRIE ISLAND 2 *

INSPECTION SUMMARY

PERIMETER BARRIER. (3) DETECTION AIDS - PROTECTED AREAS: THE PROTECTION AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN ONE ZONE. ONE OF THE TWO PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE WAS CLOSED; HOWEVER, THE SECOND ITEM WILL REMAIN OPEN PENDING REVIEW OF THE LICENSEE'S CORRECTIVE ACTION ON ITEM 3 NOTED ABOVE, SINCE THE TWO ITEMS ARE SIMILAR IN NATURE. PROGRAM WEAKNESSES OR CONCERNS WERE ALSO NOTED IN THE FOLLOWING AREAS: MANAGEMENT EFFECTIVENESS; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 22 - 23, 1985

INSPECTION REPORT NO: 85010

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			
=====			

1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any: _____

NONE

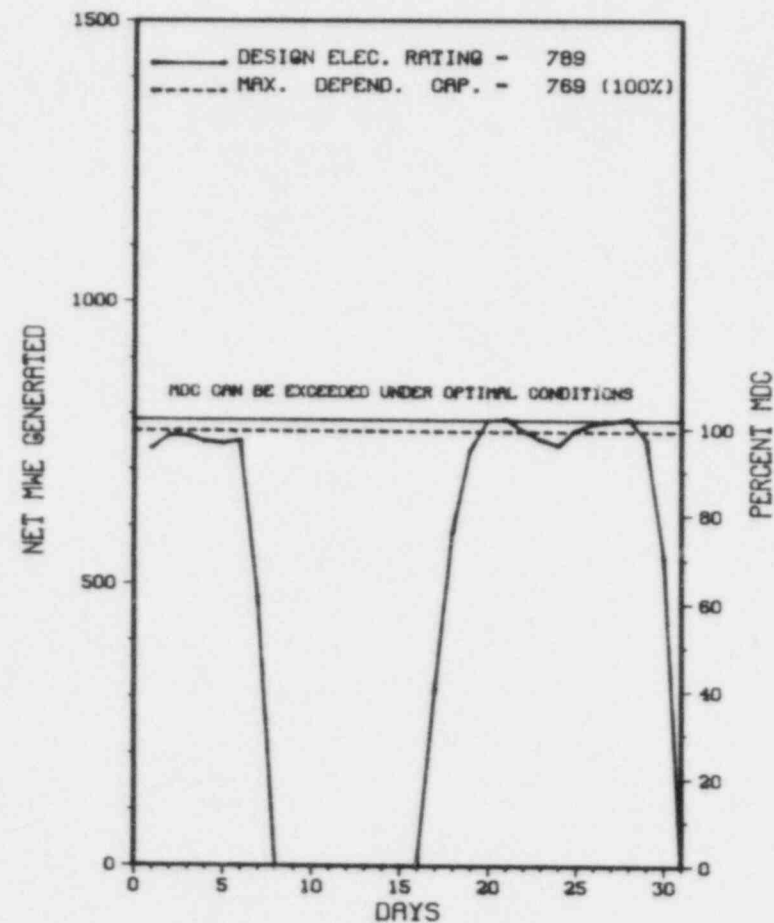
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>114,431.0</u>
13. Hours Reactor Critical	<u>508.6</u>	<u>3,387.6</u>	<u>91,710.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>484.6</u>	<u>3,338.3</u>	<u>88,372.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,129,807</u>	<u>7,847,563</u>	<u>183,593,953</u>
18. Gross Elec Ener (MWH)	<u>374,368</u>	<u>2,595,262</u>	<u>59,372,825</u>
19. Net Elec Ener (MWH)	<u>356,917</u>	<u>2,485,279</u>	<u>55,440,274</u>
20. Unit Service Factor	<u>65.1</u>	<u>92.1</u>	<u>77.2</u>
21. Unit Avail Factor	<u>65.1</u>	<u>92.1</u>	<u>78.0</u>
22. Unit Cap Factor (MDC Net)	<u>62.4</u>	<u>89.2</u>	<u>63.0</u>
23. Unit Cap Factor (DER Net)	<u>60.8</u>	<u>86.9</u>	<u>61.4</u>
24. Unit Forced Outage Rate	<u>34.9</u>	<u>7.2</u>	<u>5.8</u>
25. Forced Outage Hours	<u>259.4</u>	<u>259.4</u>	<u>3,115.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 06/02/85

 * Q U A D C I T I E S 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-27	05/05/85	S	0.0	H	5		HA	TURBIN	REDUCED LOAD TO 700 MWE FOR WEEKLY TURBINE TESTS.
85-28	05/07/85	F	216.2	H	3	85-11	HA	TURBIN	REACTOR SCRAM ON TURBINE TRIP DUE TO HIGH REACTOR WATER LEVEL. REMAINED SHUTDOWN FOR SCHEDULED SHORT MAINTENANCE OUTAGE.
85-29	05/30/85	F	43.2	H	3	85-06	CD	VALVEX	REACTOR SCRAM ON MSIV CLOSURE DUE TO FAULTY MAIN STEAM LINE LOW PRESSURE SIGNAL.

 * SUMMARY *

 QUAD CITIES 1 EXPERIENCED 2 SHUTDOWNS IN MAY AS DESCRIBED ABOVE.

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

* QUAD CITIES 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....ROCK ISLAND
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 18, 1971
DATE ELEC ENER 1ST GENER...APRIL 12, 1972
DATE COMMERCIAL OPERATE...FEBRUARY 18, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON MARCH 28, 29 AND APRIL 24 (85011): ROUTINE, ANNOUNCED SAFETY INSPECTION TO REVIEW LICENSEE ACTION ON IE BULLETIN 81-01; OBSERVATION OF MECHANICAL SNUBBER FUNCTIONAL TESTING AND REVIEW OF TEST RESULTS; REVIEW OF RESTRAINT INSTALLATION DOCUMENTATION. THE INSPECTION INVOLVED A TOTAL OF 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY COMMONWEALTH EDISON CORPORATE QUALITY ASSURANCE MANUAL, CHAPTER 5, STATES THAT MEASURES TO ASSURE THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS. CONTRARY TO THE ABOVE: (1) THE LICENSEE DID NOT HAVE ADMINISTRATIVE INSTRUCTIONS ASSIGNING RESPONSIBILITY FOR IMPLEMENTATION OF THE PUMP AND VALVE INSERVICE TEST PROGRAM UNDER SECTION XI OF THE ASME CODE. (2) INSTRUCTIONS PRESCRIBING TEST PROGRAM TECHNICAL DETAILS WERE NOT ADEQUATE IN SPECIFYING REQUIREMENTS TO MEET THE ASME CODE. (3) THE USE OF PUMP AND VALVE INSERVICE TEST DATA (SUCH AS FOR TRENDING ANALYSIS AND EVALUATION) WAS NOT PRESCRIBED BY INSTRUCTION TO ASSURE THE PROMPT IDENTIFICATION AND CORRECTION OF CONDITIONS ADVERSE TO QUALITY. 10 CFR 50.72(G)(2)(II) REQUIRES THAT ANY EVENT THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE, INCLUDING THE REACTOR PROTECTION SYSTEM, BE REPORTED TO NRC WITHIN FOUR HOURS. CONTRARY TO THE ABOVE, WHILE IN A REFUELING OUTAGE UNIT 2 SCRAMMED AT 1515 ON MARCH 28, 1985, AND THIS SCRAM WAS NOT REPORTED TO THE NRC WITHIN THE REQUIRED TIME FRAME OF FOUR HOURS.

Report Period MAY 1985

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

* QUAD CITIES 1 *

ENFORCEMENT SUMMARY

(8500 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LOAD FOLLOWING ON ECONOMIC GENERATION CONTROL (EGC).

LAST IE SITE INSPECTION DATE: JUNE 24 - 28, 1985

INSPECTION REPORT NO: 85018

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: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any: _____
NONE

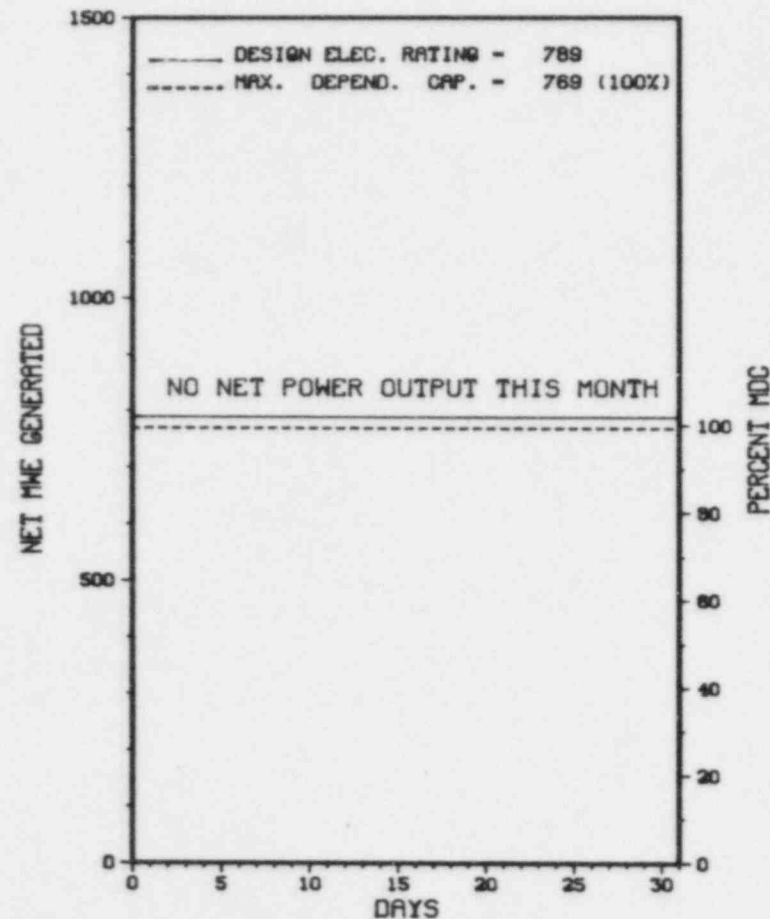
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>113,541.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,630.9</u>	<u>86,537.</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,608.6</u>	<u>83,657.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>3,722,622</u>	<u>175,241,689</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,217,481</u>	<u>55,870,870</u>
19. Net Elec Ener (MWH)	<u>-2,700</u>	<u>1,162,658</u>	<u>52,481,457</u>
20. Unit Service Factor	<u>.0</u>	<u>44.4</u>	<u>73.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>44.4</u>	<u>74.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>41.7</u>	<u>60.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>40.7</u>	<u>58.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.6</u>	<u>8.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>191.5</u>	<u>3,818.2</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 06/04/85

* 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 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-20	03/17/85	S	744.0	C	4		RC	FUELXX	UNIT REMAINS SHUTDOWN FOR END OF CYCLE SEVEN REFUELING AND MAINTENANCE OUTAGE.

 * SUMMARY *

 QUAD CITIES 2 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

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

Report Period MAY 1985

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE....DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 28, 29 AND APRIL 24 (85012): ROUTINE, ANNOUNCED SAFETY INSPECTION TO REVIEW LICENSEE ACTION ON IE BULLETIN 81-01; OBSERVATION OF MECHANICAL SNUBBER FUNCTIONAL TESTING AND REVIEW OF TEST RESULTS; REVIEW OF RESTRAINT INSTALLATION DOCUMENTATION. THE INSPECTION INVOLVED A TOTAL OF 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY COMMONWEALTH EDISON CORPORATE QUALITY ASSURANCE MANUAL, CHAPTER 5, STATES THAT MEASURES TO ASSURE THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS. CONTRARY TO THE ABOVE: (1) THE LICENSEE DID NOT HAVE ADMINISTRATIVE INSTRUCTIONS ASSIGNING RESPONSIBILITY FOR IMPLEMENTATION OF THE PUMP AND VALVE INSERVICE TEST PROGRAM UNDER SECTION XI OF THE ASME CODE. (2) INSTRUCTIONS PRESCRIBING TEST PROGRAM TECHNICAL DETAILS WERE NOT ADEQUATE IN SPECIFYING REQUIREMENTS TO MEET THE ASME CODE. (3) THE USE OF PUMP AND VALVE INSERVICE TEST DATA (SUCH AS FOR TRENDING ANALYSIS AND EVALUATION) WAS NOT PRESCRIBED BY INSTRUCTION TO ASSURE THE PROMPT IDENTIFICATION AND CORRECTION OF CONDITIONS ADVERSE TO QUALITY.

Report Period MAY 1985

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

* QUAD CITIES 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS IN COLD SHUTDOWN FOR REFUEL

LAST IE SITE INSPECTION DATE: JUNE 24 - 28, 1985

INSPECTION REPORT NO: 85020

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

=====

1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: RON COLOMBO (916) 452-3211

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

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

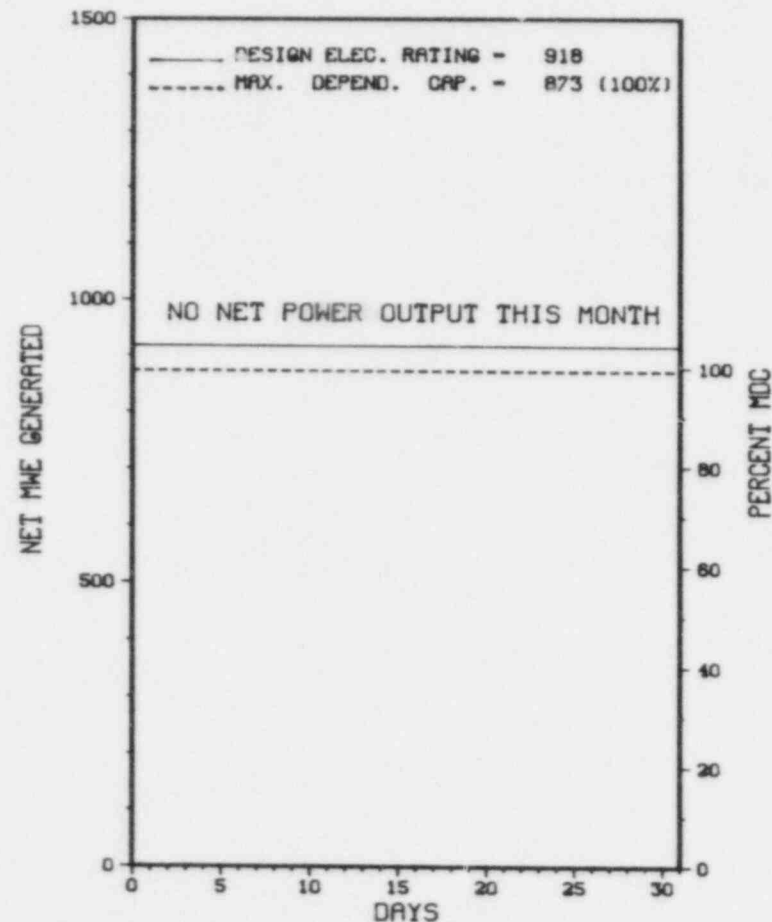
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>88,728.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,624.5</u>	<u>51,314.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>385.0</u>	<u>10,537.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,618.2</u>	<u>49,281.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,055,333</u>	<u>122,028,850</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,366,846</u>	<u>40,803,989</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,289,988</u>	<u>38,431,863</u>
20. Unit Service Factor	<u>.0</u>	<u>44.7</u>	<u>55.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>44.7</u>	<u>56.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>40.8</u>	<u>49.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>38.8</u>	<u>47.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.8</u>	<u>29.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>156.8</u>	<u>20,229.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>06/15/85</u>		

 * RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	03/15/85	S	744.0	C	4		ZZ	ZZZZZZ	SHUTDOWN FOR REFUELING CONTINUES.

 * SUMMARY *

 RANCHO SECO 1 REMAINS SHUT DOWN FOR REFUELING.

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

* RANCHO SECO 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SACRAMENTO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA
TYPE OF REACTORPWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974
DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974
DATE COMMERCIAL OPERATE....APRIL 17, 1975
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER....FOLSOM CANAL
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT
CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. ECKHARD
LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE....DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 26 - APRIL 30, 1985 (REPORT NO. 50-312/85-04) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT AND REGIONALLY BASED INSPECTORS INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, EMERGENCY ELECTRICAL SYSTEM WALKDOWN, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON LICENSEE EVENT REPORTS, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 395 INSPECTOR-HOURS ONSITE BY TWO NRC RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 25 - MARCH 1, 1985 (REPORT NO. 50-312/85-07) REPORT CANCELLED.

+ INSPECTION ON MARCH 14 - APRIL 19, 1985 (REPORT NO. 50-312/85-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 22 - MAY 3, 1985 (REPORT NO. 50-312/85-10) AREAS INSPECTED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS--PROTECTED AREAS; PHYSICAL BARRIERS--VITAL AREAS, MATERIAL ACCESS AREAS AND CONTROLLED ACCESS AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL--PERSONNEL; ACCESS CONTROL--PACKAGES (REACTORS); ACCESS CONTROL--VEHICLES; DETECTION AIDS--PROTECTED AREAS; DETECTION AIDS--VITAL AREAS, MATERIAL ACCESS AREAS AND CONTROLLED ACCESS AREAS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS--GENERAL REQUIREMENTS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW; AND FOLLOW-UP ON PAST INSPECTION ITEMS. THE INSPECTION INVOLVED

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* RANCHO SECO 1 *

INSPECTION SUMMARY

42 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 24 - MAY 14, 1985 (REPORT NO. 50-312/85-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR IN THE AREAS OF QUALITY ASSURANCE, MAINTENANCE, LER FOLLOWUP AND PART 21 REPORT FOLLOWUP. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE AND AT SMUD HEADQUARTERS BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 8-28, 1985 (REPORT NO. 50-312/85-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 4-30, 1985 (REPORT NO. 50-312/85-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 20-24, 1985 (REPORT NO. 50-312/85-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

10 CFR 50.54 'CONDITIONS OF LICENSES' 50.54(I-L) STATES, IN PART "... THE LICENSEE SHALL NOT, EXCEPT AS SPECIFICALLY AUTHORIZED BY THE COMMISSION, MAKE A CHANGE IN AN APPROVED OPERATOR REQUALIFICATION PROGRAM BY WHICH THE SCOPE, TIME ALLOTTED FOR THE PROGRAM OR FREQUENCY IN CONDUCTING DIFFERENT PARTS OF THE PROGRAM IS DECREASED". TOPICAL REPORT, T2-80, LICENSED OPERATOR RETRAINING PROGRAM, PARAGRAPH 4.5 'EVALUATION AND OBSERVATION REQUIREMENTS' STATES "THE REQUALIFICATION PROGRAM SHALL INCLUDE AN EVALUATION AND OBSERVATION SYSTEM TO OBTAIN THE MAXIMUM BENEFITS FROM THE RETRAINING PROGRAM AND AS A METHOD TO DETERMINE AREAS IN WHICH RETRAINING IS NEEDED ... THE EXAMINATION AND OBSERVATION SYSTEM SHALL INCLUDE ... QUIZZES: FROM TIME TO TIME, WRITTEN QUIZZES SHALL BE ADMINISTERED TO DETERMINE THE LICENSED OPERATOR AND SENIOR OPERATOR'S KNOWLEDGE OF PARTICULAR SUBJECTS COVERED IN LECTURES OR SPECIFIC READING ASSIGNMENTS. ANY INDIVIDUAL SCORING LESS THAN 80% ON A QUIZ SHALL RECEIVE ADDITIONAL TRAINING IN THE WEAK AREAS UNTIL SUFFICIENT KNOWLEDGE IS OBTAINED AS EVIDENCED BY A REQUIZ OR AN ORAL EVALUATION ..." CONTRARY TO THE ABOVE, WRITTEN QUIZZES WERE NOT ADMINISTERED AS PART OF REQUALIFICATION TRAINING FROM NOVEMBER 1983 THROUGH AUGUST 1984. (8401 4)

10 CFR 50, APPENDIX B, CRITERION VIII, AS ADDRESSED IN THE QUALITY ASSURANCE PROGRAM, APPENDIX 1B OF THE RANCHO SECO UPDATED SAFETY ANALYSIS REPORT, STATES, IN PART "MEASURES SHALL BE ESTABLISHED FOR THE IDENTIFICATION AND CONTROL OF MATERIALS ... THESE IDENTIFICATION AND CONTROL MEASURES SHALL BE DESIGNED TO PREVENT THE USE OF INCORRECT OR DEFECTIVE MATERIAL, PARTS AND COMPONENTS". 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS". PARAGRAPH 3.4.2.2 OF ADMINISTRATIVE PROCEDURE AP-604 STATES "THE TOOL ROOM WILL MAINTAIN A DAILY WELD ROD ISSUE LOG WITH THE FOLLOWING INFORMATION: 1. WELD ROD QUANTITY ISSUED AND RETURNED ..." PARAGRAPH 3.4.3 OF ADMINISTRATIVE PROCEDURE AP-604 STATES, IN PART: "WELD ROD AND CONTAINER WILL BE RETURNED AT THE END OF EACH SHIFT". CONTRARY TO THE ABOVE, BARE WIRE FILLER MATERIAL (ER-309) WAS NOT RETURNED TO THE TOOL ROOM AT THE END OF EACH SHIFT DURING SAFETY RELATED REPAIR WELDING PER WORK REQUEST 87549 BETWEEN 7/23 AND 7/27/84. THE WELD ISSUE LOG WAS NOT MAINTAINED ON A DAILY BASIS RECORDING THE RETURNED QUANTITY OF BARE WIRE FILLER MATERIAL. (8401 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period MAY 1985

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

* RANCHO SECO 1 *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

REFUELING: MARCH 15, 1985 - JUNE 15, 1985 (THREE MONTHS)

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT WAS SHUT DOWN DURING THE ENTIRE MONTH FOR REFUELING AND MAINTENANCE.

LAST IE SITE INSPECTION DATE: 05/04-30/85+

INSPECTION REPORT NO: 50-312/85-13+

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
85-01-X0	01-30-85	02-28-85	POTENTIAL EXCESSIVE RADIOLOGICAL EXPOSURE DID NOT EXCEED 40 CFR 190 LIMITS (SPECIAL REPORT)

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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: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: ANITA E. SCOTT (803) 383-4524

4. Licensed Thermal Power (MWt): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

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

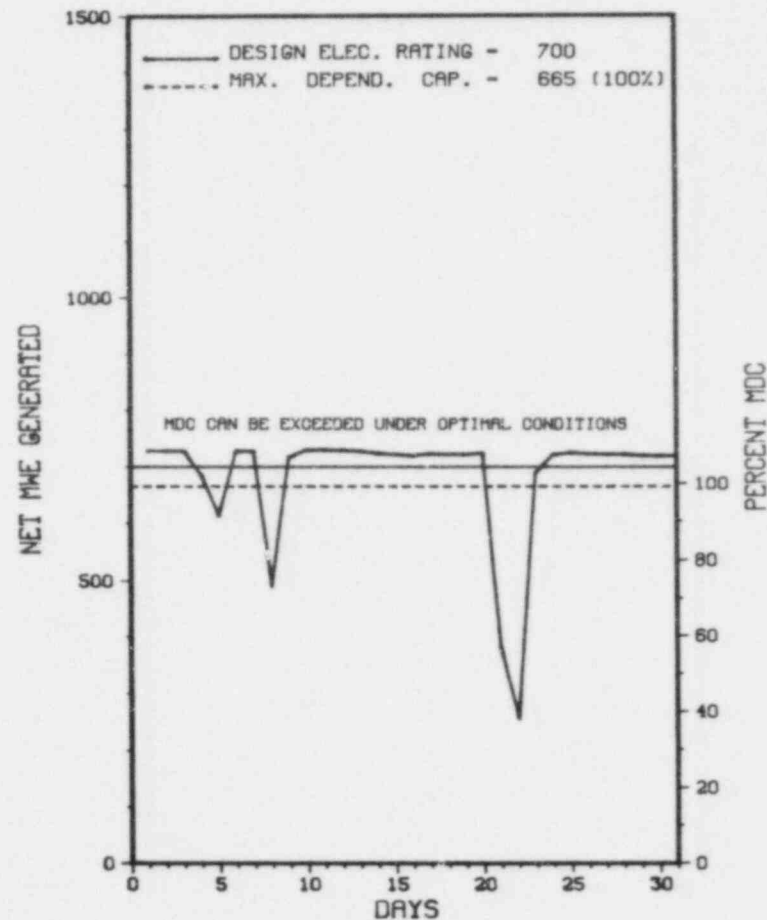
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>124,853.0</u>
13. Hours Reactor Critical	<u>730.6</u>	<u>2,795.0</u>	<u>86,991.8</u>
14. Rx Reserve Shtdwn Hrs	<u>13.4</u>	<u>801.2</u>	<u>2,583.4</u>
15. Hrs Generator On-Line	<u>729.2</u>	<u>2,673.5</u>	<u>84,739.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,616,620</u>	<u>5,684,043</u>	<u>168,559,223</u>
18. Gross Elec Ener (MWH)	<u>534,610</u>	<u>1,865,701</u>	<u>54,210,577</u>
19. Net Elec Ener (MWH)	<u>509,348</u>	<u>1,764,762</u>	<u>51,174,423</u>
20. Unit Service Factor	<u>98.0</u>	<u>73.8</u>	<u>67.9</u>
21. Unit Avail Factor	<u>98.0</u>	<u>73.8</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>102.9</u>	<u>73.2</u>	<u>61.6</u>
23. Unit Cap Factor (DER Net)	<u>97.8</u>	<u>69.6</u>	<u>58.6</u>
24. Unit Forced Outage Rate	<u>2.0</u>	<u>21.2</u>	<u>14.8</u>
25. Forced Outage Hours	<u>14.8</u>	<u>717.5</u>	<u>8,951.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 ROBINSON 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0501	05/04/85	S	0.0	B	5		ZZ	TURBIN	REACTOR POWER REDUCED TO 65% FOR MONTHLY TURBINE VALVE TEST.
0502	05/08/85	F	0.0	B	5		CB	PUMPXX	"A" CIRC WATER PUMP HAD A POTENTIAL INSULATION PROBLEM. PUMP WAS REMOVED FROM SERVICE AND TESTED. OVERALL INSPECTION PERFORMED WITH SATISFACTORY RESULTS AND "A" CIRC WATER PUMP WAS RETURNED TO SERVICE. UNIT WAS RETURNED TO 100% POWER.
0503	05/21/85	F	14.8	G	3	85-013	HH	INSTRU	THE WRONG STEAM GENERATOR LEVEL TRANSMITTER WAS INADVERTENTLY ISOLATED WITH A LOW LEVEL STEAM GENERATOR SIGNAL PRESENT ON A REDUNDANT TRANSMITTER CAUSING THE UNIT TO TRIP.

* SUMMARY *

ROBINSON 2 INCURRED 1 SHUTDOWN IN MAY BECAUSE OF STEAM GENERATOR INSTRUMENTATION DIFFICULTIES.

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

* ROBINSON 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27611
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. KRUG
LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261
LICENSE & DATE ISSUANCE...DPR-23, SEPTEMBER 23, 1970
PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 11 - MAY 10 (85-14): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 164 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE BULLETIN AND IE NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, INDEPENDENT INSPECTION AND ENFORCEMENT ACTION FOLLOWUP. OF THE AREAS INSPECTED, ONE INSPECTOR FOLLOWUP ITEM WAS IDENTIFIED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. INSPECTOR FOLLOWUP ITEM 50-261/85-14-01: "VITAL STATION BATTERIES," PARAGRAPH 9.

INSPECTION MAY 6-9 (85-16): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF IMPLEMENTATION OF THE PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM AT SHEARON HARRIS NUCLEAR POWER PLANT AND QUALITY ASSURANCE AT THE HARRIS ENERGY AND ENVIRONMENTAL CENTER'S (HEEC) RADIOLOGICAL ENVIRONMENTAL LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 6.5.1.1.1.C AND 10CFR 50, APPENDIX B, CRITERION V COLLECTIVELY, PRESENTLY ESTABLISHED LICENSEE PROCEDURES AND AVAILABLE VENDOR TECHNICAL MANUALS DO NOT PROVIDE QUANTITATIVE ACCEPTANCE CRITERIA WHICH SPECIFY AN ACCEPTABLE NORMAL OPERATING TEMPERATURE RANGE THAT SHALL BE MAINTAINED TO ASSURE OPERABILITY OF THE SAFETY-RELATED STATION BATTERIES. MAINTENANCE

Report Period MAY 1985

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

* ROBINSON 2 *

ENFORCEMENT SUMMARY

SURVEILLANCE TEST PROCEDURE MST-902, TITLED "BATTERY TEST-DAILY," REV. 2, ESTABLISHED TO MAINTAIN THE OPERABILITY OF THE STATION BATTERIES AS REQUIRED BY T.S. SECTIONS 4.6.3.1 AND 4.6.3.3 DID NOT SPECIFY A NORMAL OPERATING TEMPERATURE RANGE THAT SHALL BE MAINTAINED SUCH THAT REQUIRED LOAD CAPACITY IS ASSURED. ON 1/22/85, IT WAS OBSERVED THAT THE "A" BATTERY TEMPERATURE WAS 55 DEGREES F, AND THE "B" BATTERY WAS AT 48 DEGREES F. THESE TEMPERATURES ARE BELOW THE VENDOR RECOMMENDED RANGE OF 60 TO 90 DEGREES F (THE OPTIMUM TEMPERATURE RANGE IS STATED TO BE BETWEEN 75 AND 77 DEGREES F).
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 11 - MAY 10, 1985 +

INSPECTION REPORT NO: 50-261/85-14 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-011	03/18/85	04/16/85	REACTOR TRIP-STEAM LINE DELTA P ST/TRIP CAUSED BY GROUND ON INSTRUMENT BUS, A BODY TO BONNET LEAK CAUSING AN ELECTRICAL GROUND.
85-012	03/08/85	04/18/85	FIRE WATCH NOT POSTED WITHIN ONE HOUR, THE PERSON PERFORMING THE OST DID NOT RECOGNIZE THAT THE CYLINDERS WERE BELOW THE IR MINIMUM REQUIRED PRESSURE.

=====

1. Docket: 50-272 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. P. RONAVALVY (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3338

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

6. Design Electrical Rating (Net MWe): 1090

7. Maximum Dependable Capacity (Gross MWe): 1124

8. Maximum Dependable Capacity (Net MWe): 1079

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

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

11. Reasons for Restrictions, If Any: _____
NONE

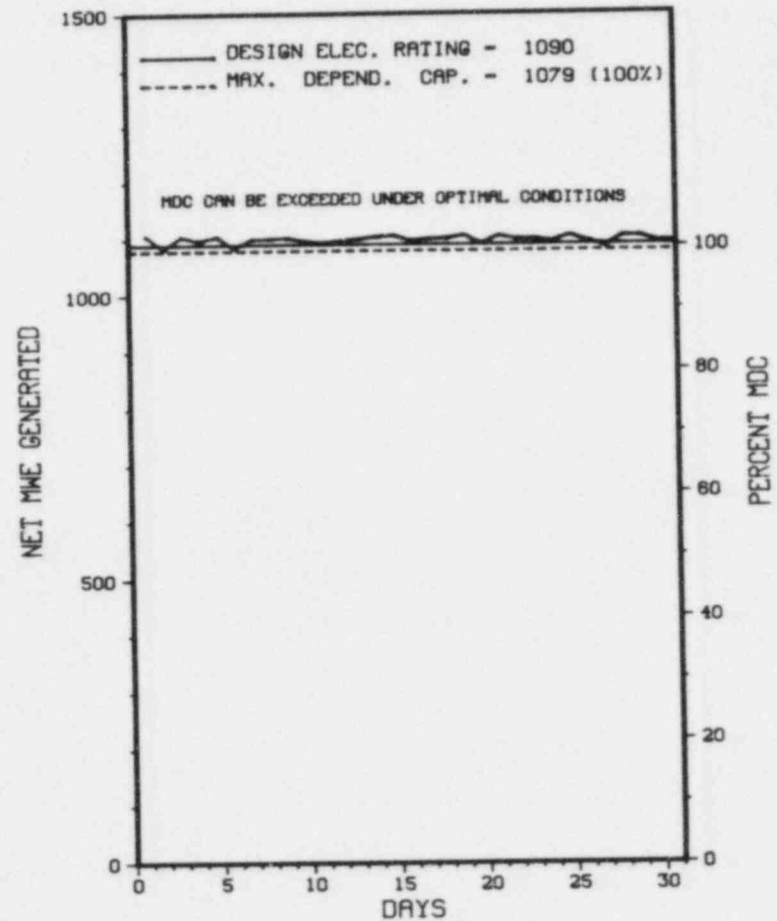
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>69,432.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,605.6</u>	<u>39,429.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,602.7</u>	<u>37,761.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,483,261</u>	<u>11,960,859</u>	<u>114,731,062</u>
18. Gross Elec Ener (MWH)	<u>849,490</u>	<u>4,093,240</u>	<u>38,007,088</u>
19. Net Elec Ener (MWH)	<u>816,916</u>	<u>3,935,588</u>	<u>36,034,070</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.4</u>	<u>54.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.4</u>	<u>54.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.8</u>	<u>100.7</u>	<u>48.1</u>
23. Unit Cap Factor (DER Net)	<u>100.7</u>	<u>99.7</u>	<u>47.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>32.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.3</u>	<u>18,095.3</u>

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

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SALEM 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 1 *

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

***** SALEM 1 OPERATED ROUTINELY IN MAY WITH NO OUTAGES REPORTED.

* SUMMARY *

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

* SALEM 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE....JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
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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

FAILURE TO SEARCH A PACKAGE FOR CONTRABAND PRIOR TO ALLOWING IT TO BE CARRIED INTO PROTECTED AREA.
(8500 3)

CONTRARY TO TECHNICAL SPECIFICATIONS 3.3.3.1 AND 3.9.9 THE CONTAINMENT IODINE CHANNEL 1R12B WAS MADE INOPERABLE AS RESULT OF TESTING AND PLANT VENT IODINE MONITOR ISOLATION CHANNEL SETPOINT WAS NOT REDUCED AND DURING THIS PERIOD EACH OF THE PURGE AND PRESSURE/VACUUM RELIEF PENETRATIONS PROVIDING DIRECT ACCESS FROM THE CONTAINMENT ATMOSPHERE TO THE OUTSIDE ATMOSPHERE WERE NOT KEPT CLOSED IN THAT TWO CONTAINMENT VENTING OPERATIONS WERE CONDUCTED.

(8500 4)

OTHER ITEMS

INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

NO INPUT PROVIDED.

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. P. RONAVALVY (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

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

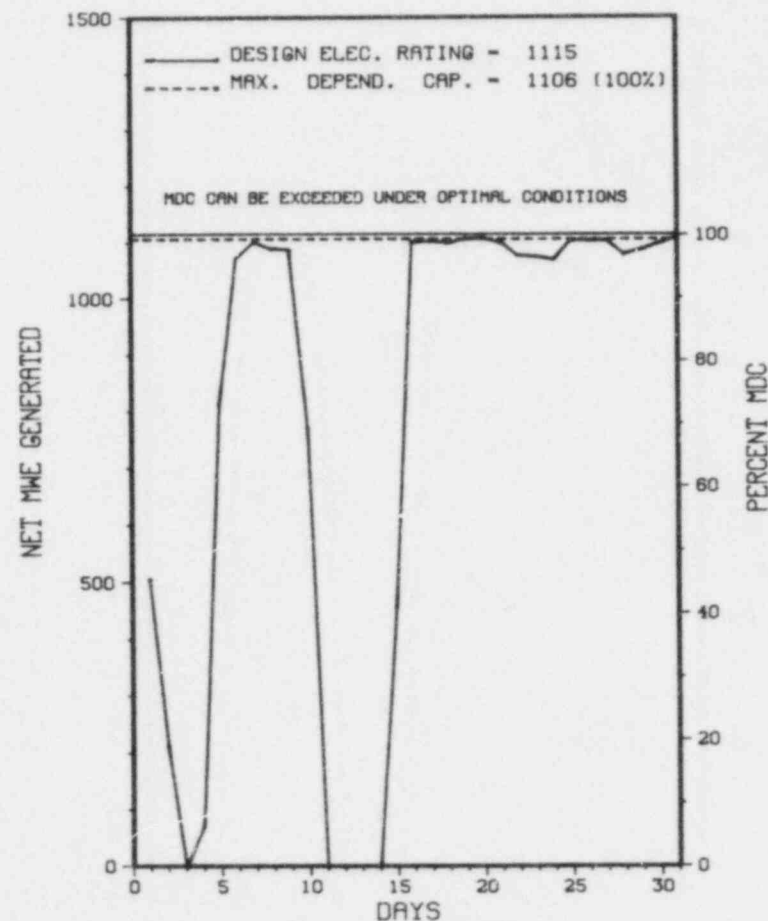
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>31,848.0</u>
13. Hours Reactor Critical	<u>606.0</u>	<u>1,054.6</u>	<u>16,149.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>583.1</u>	<u>827.2</u>	<u>15,439.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,867,901</u>	<u>2,275,719</u>	<u>46,002,755</u>
18. Gross Elec Ener (MWH)	<u>620,020</u>	<u>730,140</u>	<u>15,007,790</u>
19. Net Elec Ener (MWH)	<u>588,633</u>	<u>655,527</u>	<u>14,173,374</u>
20. Unit Service Factor	<u>78.4</u>	<u>22.8</u>	<u>48.5</u>
21. Unit Avail Factor	<u>78.4</u>	<u>22.8</u>	<u>48.5</u>
22. Unit Cap Factor (MDC Net)	<u>71.5</u>	<u>16.4</u>	<u>40.2</u>
23. Unit Cap Factor (DER Net)	<u>71.0</u>	<u>16.2</u>	<u>39.9</u>
24. Unit Forced Outage Rate	<u>21.6</u>	<u>75.0</u>	<u>44.3</u>
25. Forced Outage Hours	<u>160.9</u>	<u>2,483.8</u>	<u>12,256.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown: Estimated Startup Date: <u>N/A</u>			

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-046	04/30/85	F	0.0	A	5		CH	PUMPXX	FEEDWATER PUMP.
85-048	05/02/85	F	55.0	A	3		HA	RELAYX	OTHER EXCITER PROBLEMS.
85-068	05/10/85	F	105.9	A	3		IA	CRDRVE	CONTROL ROD PROBLEM.

***** SALEM 2 INCURRED 2 SHUTDOWNS IN MAY FOR EXCITER AND CONTROL ROD PROBLEMS.

* 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)

* SALEM 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1980

DATE ELEC ENER 1ST GENER...JUNE 3, 1981

DATE COMMERCIAL OPERATE...OCTOBER 13, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER....D. FISCHER
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE...DPR-75, MAY 20, 1981

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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

FAILURE TO SEARCH A PACKAGE FOR CONTRABAND PRIOR TO ALLOWING IT TO BE CARRIED INTO PROTECTED AREA. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: 36 AREAS OF NONCOMPLIANCE WITHIN 19 DIFFERENT PLANT AREAS WERE IDENTIFIED, WHERE BOTH REDUNDANT TRAINS OF CABLING OF SYSTEMS (I.E., AUXILIARY FEEDWATER SYSTEM, COMPONENT COOLING WATER SYSTEM, ESSENTIAL RAW COOLING WATER SYSTEM, CHEMICAL VOLUME AND CONTROL SYSTEM, PRESSURIZER HEATER CONTROLS, STEAM GENERATOR INVENTORY CONTROL AND ONSITE POWER DISTRIBUTION) NECESSARY TO ACHIEVE AND MAINTAIN HOT STANDBY CONDITIONS WERE LOCATED WITHIN THE SAME FIRE AREA OUTSIDE THE PRIMARY CONTAINMENT AND WERE NOT PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF 10CFR 50, APPENDIX R, SECTION III.G.2.

TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: 295 CIRCUITS WERE IDENTIFIED AS HAVING A COMMON POWER SOURCE WITH SHUTDOWN EQUIPMENT AND THE POWER SOURCE WAS NOT PROPERLY ELECTRICALLY PROTECTED FROM THE CIRCUIT OF CONCERN OR PROTECTED IN ACCORDANCE WITH 10CFR 50, APPENDIX R, SECTION III.G.2. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE EXISTING EMERGENCY LIGHTING UNITS ARE PROVIDED WITH

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

BATTERIES RATED AT 3 3/4-HOURS AND LIGHTING UNITS WERE NOT PROVIDED FOR ALL AREAS NEEDED FOR OPERATION OF SAFE SHUTDOWN EQUIPMENT AND IN ACCESS AND EGRESS ROUTES THERETO. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: OPERATING PROCEDURES WERE NOT AVAILABLE TO IMPLEMENT SAFE SHUTDOWN (HOT STANDBY) CAPABILITY FOR SPECIFIC FIRE AREAS IN THE PLANTS. AT THE TIME OF THE INSPECTION, THE NECESSARY REPAIRS TO COLD SHUTDOWN SYSTEMS WERE NOT READILY AVAILABLE ON SITE AND THE CASUALTY PROCEDURES NECESSARY TO IMPLEMENT THESE REPAIRS WERE NOT IN EFFECT OR ESTABLISHED. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE REACTOR COOLANT PUMP OIL COLLECTION SYSTEMS ARE NOT DESIGNED, ENGINEERED AND INSTALLED TO WITHSTAND THE SAFE SHUTDOWN EARTHQUAKE AND THE DRAINAGE TANK IS NOT DESIGNED TO HOLD THE ENTIRE REACTOR COOLANT PUMP LUBE OIL SYSTEM INVENTORY.

TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE CABLE FIRE BARRIER ASSEMBLIES ARE NOT INCLUDED IN A SURVEILLANCE OR MAINTENANCE INSPECTION PROGRAM AND CONDUITS 2PM100II, 2PM2112II AND 20M2084I IN THE AUXILIARY BUILDING CONTAIN CIRCUITS FOR PRESSURIZER LEVEL AND PRESSURE INDICATION WHICH ARE REQUIRED TO BE PROTECTED BY A "DAO-WOOL" FIRE BARRIER BLANKET; HOWEVER, THIS FIRE BARRIER WAS FOUND TO BE PARTIALLY MISSING OR DAMAGED.

(8500 3)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

Report Period MAY 1985

REPORTS FROM LICENSEE

* SALEM 2 *

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

NO INPUT PROVIDED.

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1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: M. J. FARRELL (714) 492-7700 X56739

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

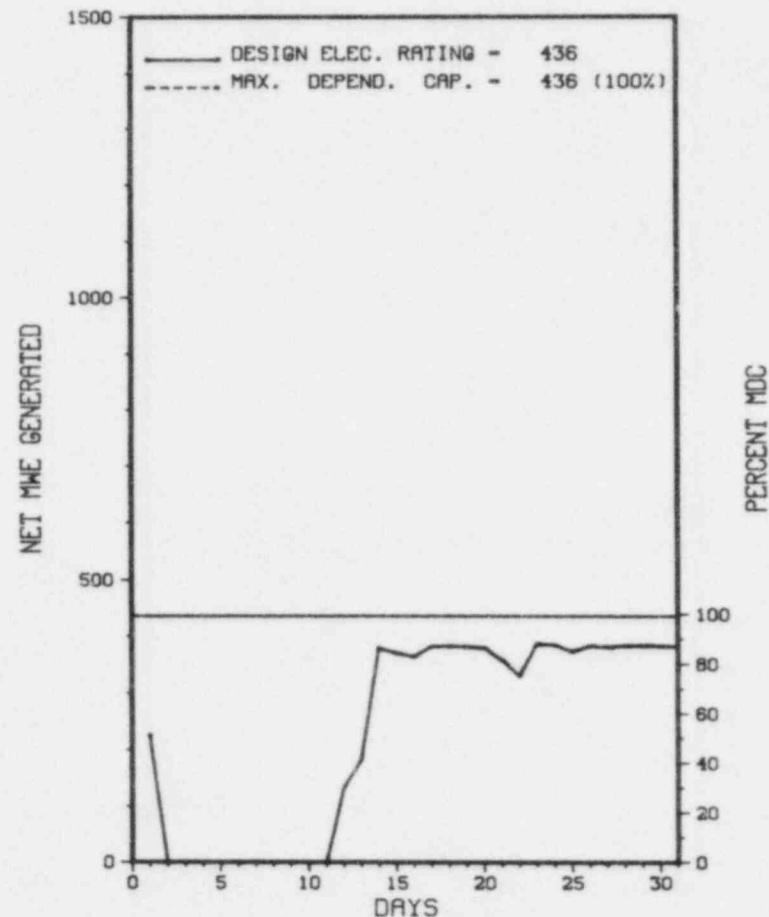
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>157,447.0</u>
13. Hours Reactor Critical	<u>517.7</u>	<u>2,967.9</u>	<u>92,297.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>501.3</u>	<u>2,939.6</u>	<u>88,584.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>576,888</u>	<u>3,519,996</u>	<u>112,708,210</u>
18. Gross Elec Ener (MWH)	<u>189,000</u>	<u>1,143,600</u>	<u>38,354,234</u>
19. Net Elec Ener (MWH)	<u>174,937</u>	<u>1,073,838</u>	<u>36,277,153</u>
20. Unit Service Factor	<u>67.4</u>	<u>81.1</u>	<u>56.3</u>
21. Unit Avail Factor	<u>67.4</u>	<u>81.1</u>	<u>56.3</u>
22. Unit Cap Factor (MDC Net)	<u>53.9</u>	<u>68.0</u>	<u>52.8</u>
23. Unit Cap Factor (DER Net)	<u>53.9</u>	<u>68.0</u>	<u>52.8</u>
24. Unit Forced Outage Rate	<u>32.6</u>	<u>17.8</u>	<u>21.6</u>
25. Forced Outage Hours	<u>242.7</u>	<u>634.8</u>	<u>11,813.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>SAFETY INJECTION SYS TEST, 8/31/85 - 48 HRS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

 * SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SAN ONOFRE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
86	05/01/85	F	242.7	A	1		SJ	P	REDUCED POWER TO INVESTIGATE A HIGH TEMPERATURE INDICATION ON THE INBOARD MOTOR BEARING OF THE WEST FEEDWATER PUMP. EXAMINATION REVEALED A BROKEN IMPELLER SHAFT. REPLACED IMPELLER AND SHAFT AND REPAIRED INBOARD MOTOR BEARING.

 * SUMMARY *

 SAN ONOFRE 1 INCURRED 1 SHUTDOWN IN MAY FOR A FEEDWATER PUMP BEARING PROBLEM.

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

* SAN ONOFRE 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 14, 1967

DATE ELEC ENER 1ST GENER...JULY 16, 1967

DATE COMMERCIAL OPERATE...JANUARY 1, 1968

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. DANGELO

LICENSING PROJ MANAGER....W. PAULSON
DOCKET NUMBER.....50-206

LICENSE & DATE ISSUANCE...DPR-13, MARCH 27, 1967

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242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA 92672

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

INSPECTION SUMMARY

+ INSPECTION ON MARCH 25 - APRIL 16, 1985 (REPORT NO. 50-206/85-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, ALLEGATION FOLLOWUP, RADIATION PROTECTION, CHEMISTRY AND RADWASTE MANAGEMENT CONTROLS AND CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, "ALARA", LIQUIDS AND LIQUID WASTES, GASEOUS WASTE SYSTEM, SEMIANNUAL EFFLUENT REPORT EVALUATION, UNAPPROVED BURIAL OF A HIGH INTEGRITY CONTAINER, AND TOURS. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 4 - APRIL 19, 1985 (REPORT NO. 50-206/85-13) AREAS INSPECTED: UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF UNRESOLVED AND FOLLOWUP ITEMS, AND LICENSEE ACTIONS ON IE BULLETINS AND TMI ACTION ITEMS. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: ONE VIOLATION WAS IDENTIFIED REGARDING AN UNAUTHORIZED DESIGN CHANGE.

+ INSPECTION ON MARCH 23 - MAY 21, 1985 (REPORT NO. 50-206/85-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 15-19, 1985 (REPORT NO. 50-206/85-15) AREAS INSPECTED: SECURITY EVENT FOLLOWUP; LIGHTING; ALARM STATIONS; COMMUNICATIONS; INDEPENDENT INSPECTION EFFORT (ALLEGATION NO. RV-84-A-0092); INFORMATION NOTICE 85-04; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS AND ASSESSMENTS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

Report Period MAY 1985

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

* SAN ONOFRE 1 *

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 2-10, 1985 (REPORT NO. 50-206/85-16) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF CAPABILITY OF LABORATORIES TO PERFORM REQUIRED CHEMICAL AND RADIOCHEMICAL ANALYSES. THE INSPECTION INVOLVED THE REGION V MOBILE LABORATORY AND INVOLVED 61 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. IN ADDITION TO THE ONSITE INSPECTION EFFORT, AN IN-OFFICE INSPECTION INVOLVING A DETAILED REVIEW OF SAMPLE DATA AND TELEPHONE DISCUSSIONS WITH COGNIZANT LICENSEE PERSONNEL WAS CONDUCTED THROUGH MAY 8, 1985.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

- + INSPECTION ON MAY 13-22, 1985 (REPORT NO. 50-206/85-17) REPORT CANCELLED.
- + INSPECTION ON MAY 20 - JUNE 7, 1985 (REPORT NO. 50-206/85-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON JUNE 3-7, 1985 (REPORT NO. 50-206/85-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON MAY 22 - JUNE 30, 1985 (REPORT NO. 50-206/85-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT CONTINUED OPERATION IN THIS REPORTING PERIOD.

LAST IE SITE INSPECTION DATE: 05/22-06/30/85+

INSPECTION REPORT NO: 50-206/85-20+

Report Period MAY 1985

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

* SAN ONOFRE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
05-22-85	05-22-85	- -	ATTEMPTED RELEASE OF ON LINE WGD T R-1219 005, DETN CAUSE, PROCED. VIOLATION
85-02-10	01-22-85	02-22-85	HYD MONITOR CALIBRATED TO WRONG CONCENTRATION
85-03-L0	01-31-85	02-22-85	MISSED SURVEILLANCE SWCP
85-04-L0	02-11-85	03-13-85	LOSS OF MFW PUMP DUE TO THRUST BEARING FAILURE
85-06-L0	02-13-85	03-18-85	CONTAINMENT HATCH - BOTH DOORS OPENED

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1. Docket: 50-361 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: M. J. FARRELL (714) 492-7700 X56739

4. Licensed Thermal Power (MWt): 3410

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1070

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1070

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

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

11. Reasons for Restrictions, If Any: _____

NONE

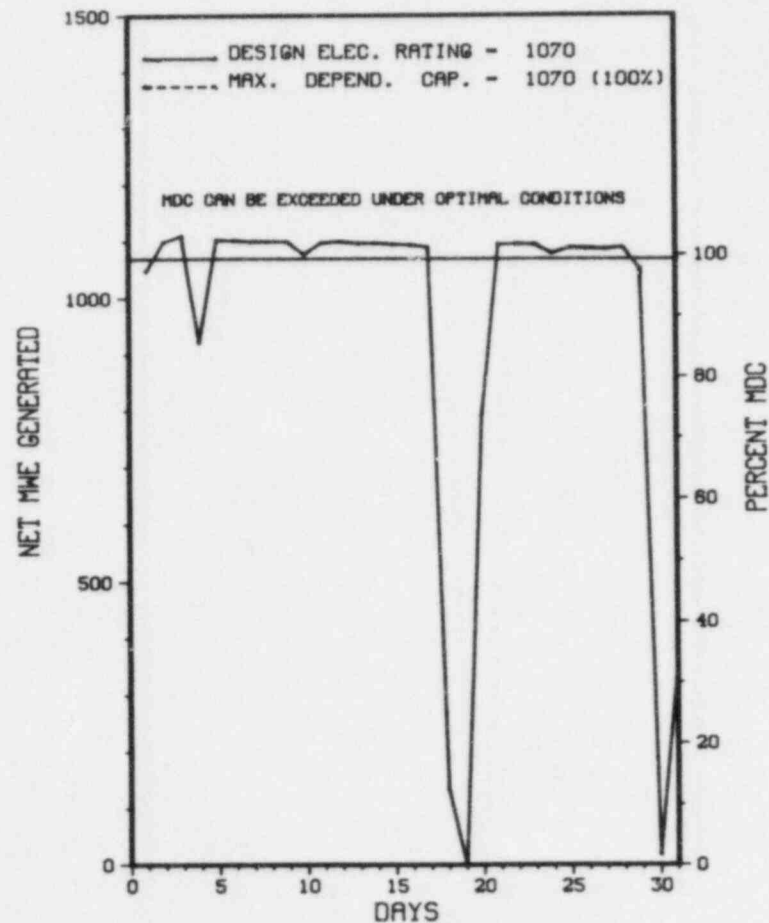
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>15,912.0</u>
13. Hours Reactor Critical	<u>686.2</u>	<u>950.5</u>	<u>8,835.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>671.1</u>	<u>914.0</u>	<u>8,646.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,210,948</u>	<u>2,535,152</u>	<u>27,613,435</u>
18. Gross Elec Ener (MWH)	<u>744,227</u>	<u>853,343</u>	<u>9,343,218</u>
19. Net Elec Ener (MWH)	<u>707,812</u>	<u>765,292</u>	<u>8,808,228</u>
20. Unit Service Factor	<u>90.2</u>	<u>25.2</u>	<u>54.3</u>
21. Unit Avail Factor	<u>90.2</u>	<u>25.2</u>	<u>54.3</u>
22. Unit Cap Factor (MDC Net)	<u>88.9</u>	<u>19.7</u>	<u>51.7</u>
23. Unit Cap Factor (DER Net)	<u>88.9</u>	<u>19.7</u>	<u>51.7</u>
24. Unit Forced Outage Rate	<u>5.9</u>	<u>11.6</u>	<u>4.7</u>
25. Forced Outage Hours	<u>41.7</u>	<u>119.4</u>	<u>429.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	05/18/85	S	0.0	B	5				POWER REDUCTION TO BUMP CIRCULATOR PUMPS.
13	05/18/85	F	41.7	H	3	85-031	JC	ROD	REACTOR TRIP OCCURRED DUE TO LOW DNBR VALUES RESULTING FROM SUBGROUP CEA'S DROPPING. A MISSING LUG NUT, ON A LEAD FROM A CARD CAGE TO A GROUND BUS COMMON CAUSED ABNORMAL ENERGIZATION OF THE SUBGROUP 6 POWER COILS.
14	05/30/85	S	31.2	A	2		TL		MANUAL REACTOR TRIP INITIATED TO ALLOW INVESTIGATION OF T-G EXCITATION SYSTEM GROUND. GROUND WAS DUE TO CARBON DUST ACCUMULATION. CARBON DUST REMOVED AND UNIT RETURNED TO SERVICE.

 * SUMMARY *

 SAN ONOFRE 2 INCURRED 2 OUTAGES IN 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)

* SAN ONOFRE 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER....H. ROOD
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...NPF-10, SEPTEMBER 7, 1982
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242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA

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

INSPECTION SUMMARY

+ INSPECTION ON MARCH 25 - APRIL 16, 1985 (REPORT NO. 50-361/85-10) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, ALLEGATION FOLLOWUP, RADIATION PROTECTION, CHEMISTRY AND RADWASTE MANAGEMENT CONTROLS AND CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, "ALARA", LIQUIDS AND LIQUID WASTES, GASEOUS WASTE SYSTEM, SEMIANNUAL EFFLUENT REPORT EVALUATION, UNAPPROVED BURIAL OF A HIGH INTEGRITY CONTAINER, AND TOURS. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 4 - APRIL 19, 1985 (REPORT NO. 50-361/85-12) AREAS INSPECTED: UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF UNRESOLVED AND FOLLOWUP ITEMS, AND LICENSEE ACTIONS ON IE BULLETINS AND TMI ACTION ITEMS. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 15-19, 1985 (REPORT NO. 50-361/85-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 15-19, 1985 (REPORT NO. 50-361/85-14) AREAS INSPECTED: SECURITY EVENT FOLLOWUP; PHYSICAL BARRIERS - VITAL AREAS; LIGHTING; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; INDEPENDENT INSPECTION EFFORT (ALLEGATION NO. RV-84-A-0092); INFORMATION NOTICE 85-04; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS AND ASSESSMENTS. THE INSPECTION

INSPECTION STATUS - (CONTINUED)

PAGE 2-315

Report Period MAY 1985

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

* SAN ONOFRE 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-02-L0	- -	- -	TGIS SPURIOUS ACTUATION
85-03-L0	- -	- -	TGIS SPURIOUS ACTUATION
85-09-L0	01-17-85	02-15-85	SPURIOUS CPIS ACTUATION
85-11-L0	01-24-85	01-29-85	FIRE LOOP ISOLATED DURING MAINTENANCE
85-15-L0	01-23-85	03-02-85	TECH SPEC SNUBBER TABLES INACCURATE TS AMMD NO 139 APPLIES / GEN LTR 84-13 APPLIES
85-21-L0	02-19-85	03-19-85	FHIS ACTUATION DUE TO A RELEASE
85-22-L0	03-30-85	04-25-85	INADVERTENT ACTUATION OF SI SYSTEM

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1. Docket: 50-362 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: M. J. FARRELL (714) 492-7700 X56739

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):

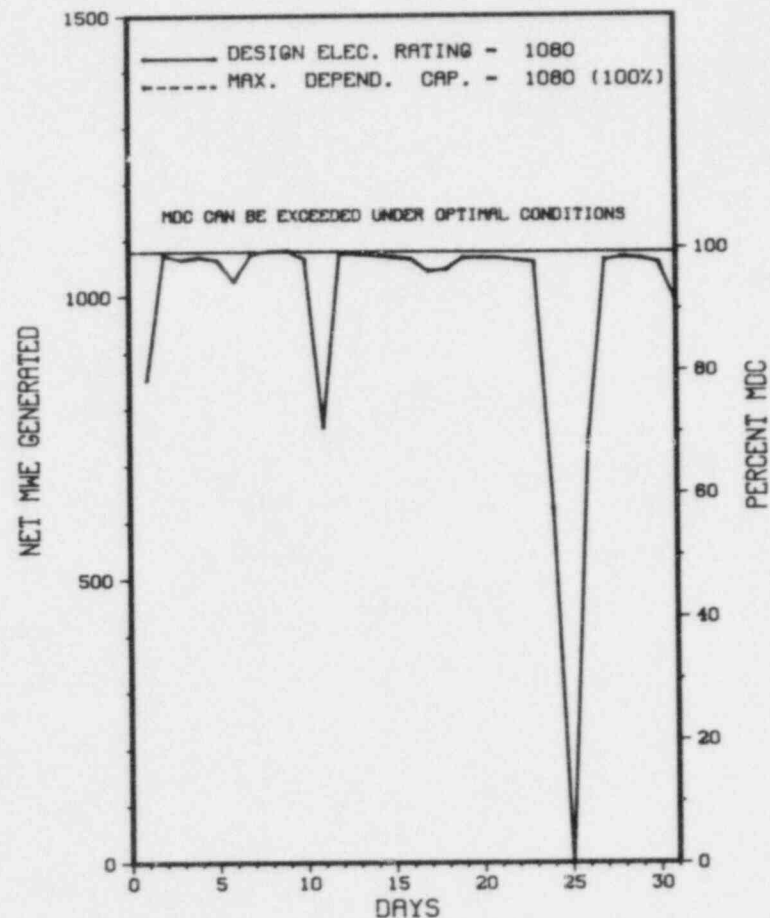
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>10,223.0</u>
13. Hours Reactor Critical	<u>716.8</u>	<u>2,249.8</u>	<u>6,645.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>712.5</u>	<u>2,169.4</u>	<u>6,275.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,340,249</u>	<u>6,997,440</u>	<u>19,913,407</u>
18. Gross Elec Ener (MWH)	<u>773,065</u>	<u>2,333,370</u>	<u>6,700,200</u>
19. Net Elec Ener (MWH)	<u>735,024</u>	<u>2,188,620</u>	<u>6,288,990</u>
20. Unit Service Factor	<u>95.8</u>	<u>59.9</u>	<u>61.4</u>
21. Unit Avail Factor	<u>95.8</u>	<u>59.9</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>91.5</u>	<u>55.9</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>91.5</u>	<u>55.9</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>4.2</u>	<u>38.6</u>	<u>18.8</u>
25. Forced Outage Hours	<u>31.5</u>	<u>1,365.6</u>	<u>1,448.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	05/11/85	S	0.0	B	5				POWER REDUCTION TO REMOVE WATER BOX 118 FROM SERVICE FOR INSPECTION.
19	05/24/85	F	31.5	A	3	3-85-020	JC	FU	REACTOR TRIPPED DUE TO LOW DNBR VALUES AS A RESULT OF SUBGROUP 15 CEA'S DROPPING. A BLOWN FUSE IN THE HOLD BUS LOGIC CIRCUIT CAUSED THE CEA'S TO DROP.

 * SUMMARY *

SAN ONOFRE 3 INCURRED 1 SHUTDOWN IN MAY BECAUSE OF A REACTOR TRIP ON LOW DNBR VALUES.

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

* SAN ONOFRE 3 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
 SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 29, 1983

DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983

DATE COMMERCIAL OPERATE....APRIL 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....P.O. BOX 800
 ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. HUEY

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-362

LICENSE & DATE ISSUANCE...NPF-15, NOVEMBER 15, 1982

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 242 AVENIDA DEL MAR
 SAN CLEMENTE, CALIFORNIA

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

INSPECTION SUMMARY

+ INSPECTION ON MARCH 25 - APRIL 16, 1985 (REPORT NO. 50-362/85-09) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REVIEW OF LICENSEE REPORTS, ALLEGATION FOLLOWUP, RADIATION PROTECTION, CHEMISTRY AND RADWASTE MANAGEMENT CONTROLS AND CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, "ALARA", LIQUIDS AND LIQUID WASTES, GASEOUS WASTE SYSTEM, SEMIANNUAL EFFLUENT REPORT EVALUATION, UNAPPROVED BURIAL OF A HIGH INTEGRITY CONTAINER, AND TOURS. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 4 - APRIL 19, 1985 (REPORT NO. 50-362/85-11) AREAS INSPECTED: UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF UNRESOLVED AND FOLLOWUP ITEMS, AND LICENSEE ACTIONS ON IE BULLETINS AND TMI ACTION ITEMS. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 23 - APRIL 30, 1985 (REPORT NO. 50-362/85-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 15-19, 1985 (REPORT NO. 50-362/85-13) AREAS INSPECTED: SECURITY EVENT FOLLOWUP; PHYSICAL BARRIERS - VITAL AREAS; LIGHTING; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; INDEPENDENT INSPECTION EFFORT (ALLEGATION NO. RV-84-A-0092); INFORMATION NOTICE 85-04; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS AND ASSESSMENTS. THE INSPECTION

Report Period MAY 1985

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

* SAN ONOFRE 3 *

INSPECTION SUMMARY

INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 2-10, 1985 (REPORT NO. 50-362/85-14) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF CAPABILITY OF LABORATORIES TO PERFORM REQUIRED CHEMICAL AND RADIOCHEMICAL ANALYSES. THE INSPECTION INVOLVED THE REGION V MOBILE LABORATORY AND INVOLVED 61 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. IN ADDITION TO THE ONSITE INSPECTION EFFORT, AN IN-OFFICE INSPECTION INVOLVING A DETAILED REVIEW OF SAMPLE DATA AND TELEPHONE DISCUSSIONS WITH COGNIZANT LICENSEE PERSONNEL WAS CONDUCTED THROUGH MAY 8, 1985.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 13-22, 1985 (REPORT NO. 50-362/85-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 20 - JUNE 7, 1985 (REPORT NO. 50-362/85-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 3-7, 1985 (REPORT NO. 50-362/85-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 22 - JUNE 30, 1985 (REPORT NO. 50-362/85-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED IN SERVICE FOR THE MONTH OF MAY.

LAST IE SITE INSPECTION DATE: 05/22-06/30/85+

INSPECTION REPORT NO: 50-362/85-18+

Report Period MAY 1985

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

* SAN ONOFRE 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-01-L0	01-27-85	02-26-85	SHUTDOWN DUE TO UNIDENTIFIED LEAKAGE FROM SPRAY VALVE PACKING EXCEEDED 1.0 GPM
85-02-L0	02-20-85	03-08-85	FAILED SNUBBERS ON HPSI - FOUND DURING 100% VISUAL - SEE U2 LER 84-79
85-03-L0	- -	- -	SHUTDOWN DUE TO PRESSURE BOUNDARY LEAKAGE FROM RTD THERMOWELL ON HOT LEG TO STEAM GENERATOR
85-06-L0	- -	- -	INADVERTENT SAFETY INJECTION ACTUATION SIGNAL IN MODE 4, WHILE COOLING REACTOR COOLANT SYSTEM

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1. Docket: 50-327 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: MIKE EDDINGS (615) 870-6248

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>3,623.0</u>	<u>34,344.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,467.1</u>	<u>23,114.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,465.1</u>	<u>22,573.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,139,835</u>	<u>72,817,470</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,818,410</u>	<u>24,556,826</u>
19. Net Elec Ener (MWH)	<u>-8,174</u>	<u>2,703,140</u>	<u>23,584,770</u>
20. Unit Service Factor	<u>.0</u>	<u>68.0</u>	<u>65.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.0</u>	<u>65.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>65.0</u>	<u>59.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>65.0</u>	<u>59.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>17.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>4,807.5</u>

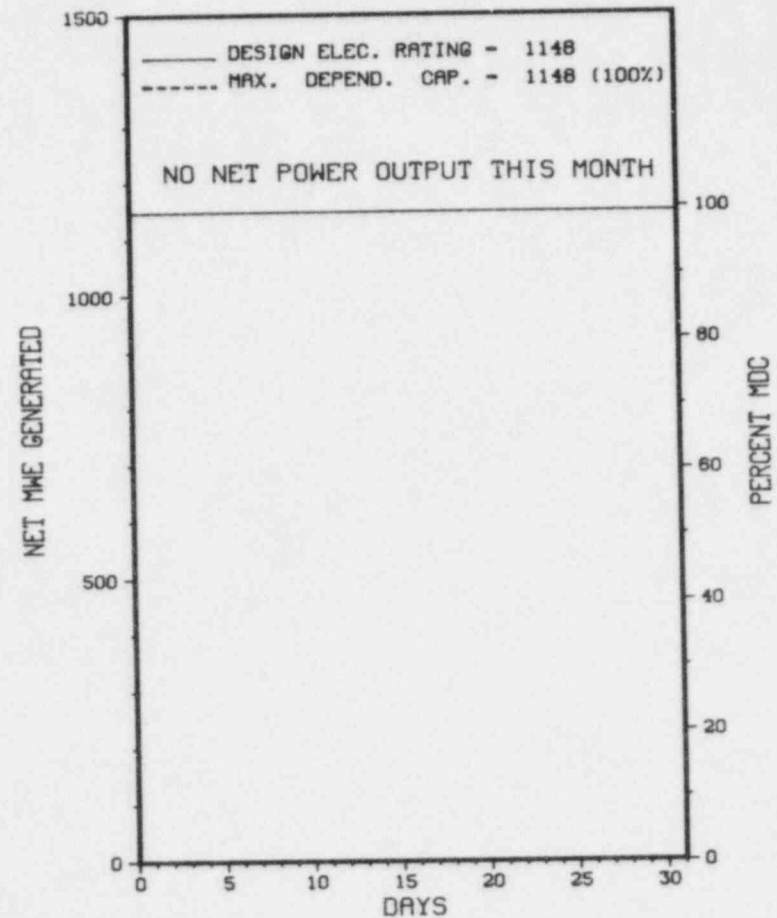
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MODIFICATION: SEPT. 13, 1985 - 51 DAYS

27. If Currently Shutdown Estimated Startup Date: 06/15/85

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	04/13/85	S	744.0	B	4				ICE WEIGHING OUTAGE CONTINUES.

* SUMMARY *

SEQUOYAH 1 REMAINS SHUT DOWN FOR ICE WEIGHING.

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

* SEQUOYAH 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 5, 1980

DATE ELEC ENER 1ST GENER...JULY 22, 1980

DATE COMMERCIAL OPERATE...JULY 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHL
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE...DPR-77, SEPTEMBER 17, 1980

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION MARCH 6 -APRIL 5 (85-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 76 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT TOUR, TECHNICAL SPECIFICATION COMPLIANCE, OPERATIONS PERFORMANCE, HOUSEKEEPING, RADIATION CONTROL ACTIVITIES, SITE SECURITY, INDEPENDENT INSPECTION AND FOLLOWUP OF EVENTS. ONE VIOLATION WAS IDENTIFIED: ONE VIOLATION CONCERNED ACCESS CONTROL AND IS DISCUSSED IN NRC INSPECTION REPORT 327, 328/85-12.

INSPECTION MARCH 25-29 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO PROVIDE ADEQUATE TRAINING TO SHIFT ENGINEERS IN THE AREA OF OFFSITE PROTECTIVE ACTION DECISION MAKING; AND FAILURE TO TEST THE PUBLIC NOTIFICATION SYSTEM AT A FREQUENCY SPECIFIED IN THE EMERGENCY PLAN.

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE PROTECTIVE ACTION RECOMMENDATIONS PER FEDERAL GUIDANCE.
(8501 4)

FAILURE TO TEST SIRENS AT FREQUENCY SPECIFIED IN REP.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X              SEQUOYAH 1              X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION TABLE 4.11-2 REQUIRES THE ANALYSIS OF XE-138 IN GASEOUS WASTE SAMPLES AT A LOWER LIMIT OF DETECTION (LLD) OF $1\text{E}-04$ MICROCURIES PER CC. CONTRARY TO THE ABOVE, DURING THE PERIOD JUNE THROUGH DECEMBER 1984 THERE WERE NUMEROUS EXAMPLES OF FAILURE TO ACHIEVE THE REQUIRED LLD FOR XE-138 DUE TO EXCESSIVE DECAY TIME BETWEEN SAMPLING AND ANALYSIS.
(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: MARCH 6 - APRIL 5, 1985 +

INSPECTION REPORT NO: 50-327/85-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-012	03/12/85	04/08/85	FAILURE TO COMPLY WITH 1 HOUR FIRE WATCH. THE DOOR BECAME INOPERABLE AND PREVENTED THE FIRE WATCH FROM PERFORMING ITS ROUNDS.
85-013	03/21/85	04/18/85	FAILURE TO COMPLY WITH ONE HOUR FIRE WATCH, DUE TO INOPERABLE DOORS.
85-014	04/04/85	05/01/85	INADVERTENT ABI DURING CALIBRATION, THE ISOLATION WAS IDENTIFIED AND RESET APPROXIMATELY 1 1/2 HOURS AFTER INITIAL OCCURRENCE.
85-015	04/04/85	05/02/85	FAILURE TO COMPLY WITH ONE-HOUR FIRE WATCH, FIRE WATCH WAS NOT PERFORMED DUE TO INOPERABLE DOORS.

1. Docket: 50-328 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6543

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

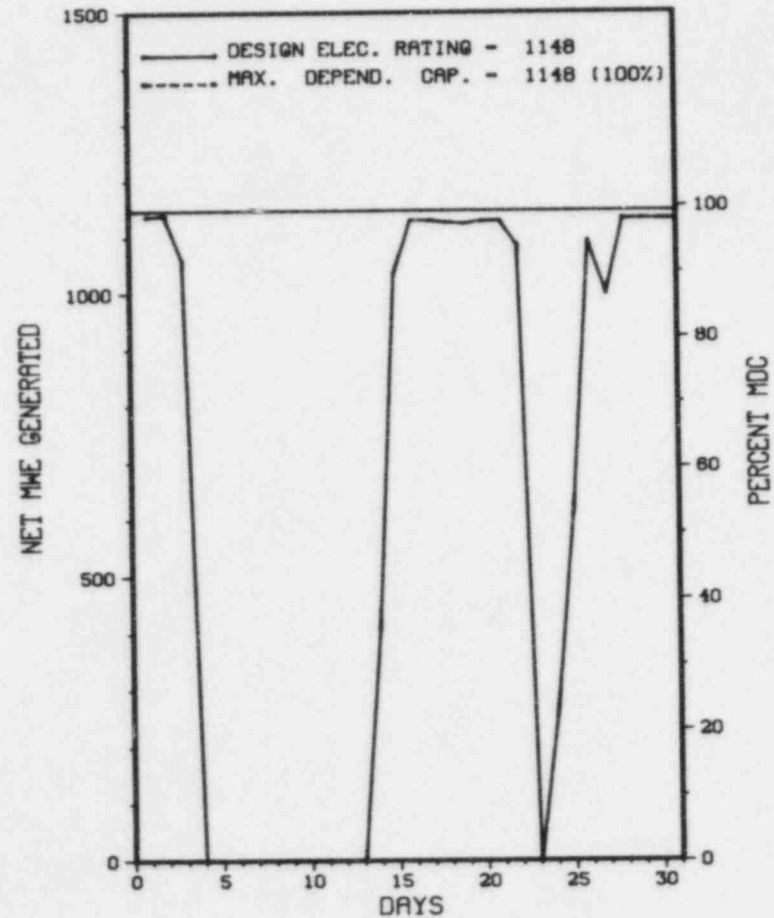
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>26,304.0</u>
13. Hours Reactor Critical	<u>488.5</u>	<u>3,325.2</u>	<u>20,020.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>455.2</u>	<u>3,260.1</u>	<u>19,530.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,401,909</u>	<u>10,455,369</u>	<u>62,454,378</u>
18. Gross Elec Ener (MWH)	<u>476,610</u>	<u>3,595,540</u>	<u>21,287,220</u>
19. Net Elec Ener (MWH)	<u>453,681</u>	<u>3,458,619</u>	<u>20,479,628</u>
20. Unit Service Factor	<u>61.2</u>	<u>90.0</u>	<u>74.2</u>
21. Unit Avail Factor	<u>61.2</u>	<u>90.0</u>	<u>74.2</u>
22. Unit Cap Factor (MDC Net)	<u>53.1</u>	<u>83.2</u>	<u>67.8</u>
23. Unit Cap Factor (DER Net)	<u>53.1</u>	<u>83.2</u>	<u>67.8</u>
24. Unit Forced Outage Rate	<u>38.8</u>	<u>9.9</u>	<u>9.1</u>
25. Forced Outage Hours	<u>238.8</u>	<u>356.7</u>	<u>1,950.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

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

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	05/03/85	F	262.3	A	3				LOSS OF STATOR COOLING WATER.
8	05/22/85	F	26.5	H	3				MAINTENANCE CONNECTING TEST EQUIPMENT IMPROPERLY (PERSONNEL ERROR).

***** SEQUOYAH 2 INCURRED 2 SHUTDOWNS IN MAY AS NOTED ABOVE.

* SUMMARY *

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

* SEQUOYAH 2 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
 CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 5, 1981

DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981

DATE COMMERCIAL OPERATE...JUNE 1, 1982

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....831 POWER BUILDING
 CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHL
DOCKET NUMBER.....50-328

LICENSE & DATE ISSUANCE...DPR-79, SEPTEMBER 15, 1981

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
 1001 BROAD STREET
 CHATTANOOGA, TENNESSEE 37402

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

INSPECTION SUMMARY

+ INSPECTION MARCH 6 -APRIL 5 (85-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 76 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT TOUR, TECHNICAL SPECIFICATION COMPLIANCE, OPERATIONS PERFORMANCE, HOUSEKEEPING, RADIATION CONTROL ACTIVITIES, SITE SECURITY, INDEPENDENT INSPECTION AND FOLLOWUP OF EVENTS. ONE VIOLATION WAS IDENTIFIED: ONE VIOLATION CONCERNED ACCESS CONTROL AND IS DISCUSSED IN NRC INSPECTION REPORT 327, 328/85-12.

INSPECTION MARCH 25-29 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO PROVIDE ADEQUATE TRAINING TO SHIFT ENGINEERS IN THE AREA OF OFFSITE PROTECTIVE ACTION DECISION MAKING; AND FAILURE TO TEST THE PUBLIC NOTIFICATION SYSTEM AT FREQUENCY SPECIFIED IN THE EMERGENCY PLAN.

ENFORCEMENT SUMMARY

TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: 36 AREAS OF NONCOMPLIANCE WITHIN 19 DIFFERENT PLANT AREAS WERE IDENTIFIED, WHERE BOTH REDUNDANT TRAINS OF CABLING OF SYSTEMS (I.E., AUXILIARY FEEDWATER SYSTEM, COMPONENT COOLING WATER SYSTEM, ESSENTIAL RAW COOLING WATER SYSTEM, CHEMICAL VOLUME AND CONTROL SYSTEM, PRESSURIZER HEATER CONTROLS, STEAM GENERATOR INVENTORY CONTROL AND ONSITE POWER DISTRIBUTION) NECESSARY TO ACHIEVE AND MAINTAIN HOT STANDBY CONDITIONS WERE LOCATED WITHIN THE SAME FIRE AREA OUTSIDE THE PRIMARY

ENFORCEMENT SUMMARY

CONTAINMENT AND WERE NOT PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF 10CFR 50, APPENDIX R, SECTION III.G.2.

TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: 295 CIRCUITS WERE IDENTIFIED AS HAVING A COMMON POWER SOURCE WITH SHUTDOWN EQUIPMENT AND THE POWER SOURCE WAS NOT PROPERLY ELECTRICALLY PROTECTED FROM THE CIRCUIT OF CONCERN OR PROTECTED IN ACCORDANCE WITH 10CFR 50, APPENDIX R, SECTION III.G.2. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE EXISTING EMERGENCY LIGHTING UNITS ARE PROVIDED WITH BATTERIES RATED AT 3 3/4-HOURS AND LIGHTING UNITS WERE NOT PROVIDED FOR ALL AREAS NEEDED FOR OPERATION OF SAFE SHUTDOWN EQUIPMENT AND IN ACCESS AND EGRESS ROUTES THERETO. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: OPERATING PROCEDURES WERE NOT AVAILABLE TO IMPLEMENT SAFE SHUTDOWN (HOT STANDBY) CAPABILITY FOR SPECIFIC FIRE AREAS IN THE PLANTS. AT THE TIME OF THE INSPECTION, THE NECESSARY REPAIRS TO COLD SHUTDOWN SYSTEMS WERE NOT READILY AVAILABLE ON SITE AND THE CASUALTY PROCEDURES NECESSARY TO IMPLEMENT THESE REPAIRS WERE NOT IN EFFECT OR ESTABLISHED. TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE REACTOR COOLANT PUMP OIL COLLECTION SYSTEMS ARE NOT DESIGNED, ENGINEERED AND INSTALLED TO WITHSTAND THE SAFE SHUTDOWN EARTHQUAKE AND THE DRAINAGE TANK IS NOT DESIGNED TO HOLD THE ENTIRE REACTOR COOLANT PUMP LUBE OIL SYSTEM INVENTORY.

TVA FAILED TO FULLY IMPLEMENT ALL PROVISIONS OF THE APPROVED FIRE PROTECTION PLAN AND COMPLY WITH SECTIONS III.G, III.J, III.L AND III.O OF 10CFR 50, APPENDIX R IN THAT: THE CABLE FIRE BARRIER ASSEMBLIES ARE NOT INCLUDED IN A SURVEILLANCE OR MAINTENANCE INSPECTION PROGRAM AND CONDUITS 2PM100II, 2PM2112II AND 20M2084I IN THE AUXILIARY BUILDING CONTAIN CIRCUITS FOR PRESSURIZER LEVEL AND PRESSURE INDICATION WHICH ARE REQUIRED TO BE PROTECTED BY A "DAO-WOOL" FIRE BARRIER BLANKET; HOWEVER, THIS FIRE BARRIER WAS FOUND TO BE PARTIALLY MISSING OR DAMAGED.

(8500 3)

FAILURE TO PROVIDE PROTECTIVE ACTION RECOMMENDATIONS PER FEDERAL GUIDANCE.

(8501 4)

FAILURE TO TEST SIRENS AT FREQUENCY SPECIFIED IN REP.

TECHNICAL SPECIFICATION TABLE 4.11-2 REQUIRES THE ANALYSIS OF XE-138 IN GASEOUS WASTE SAMPLES AT A LOWER LIMIT OF DETECTION (LLD) OF 1E-04 MICROCURIES PER CC. CONTRARY TO THE ABOVE, DURING THE PERIOD JUNE THROUGH DECEMBER 1984 THERE WERE NUMEROUS EXAMPLES OF FAILURE TO ACHIEVE THE REQUIRED LLD FOR XE-138 DUE TO EXCESSIVE DECAY TIME BETWEEN SAMPLING AND ANALYSIS.

(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

INSPECTION STATUS - (CONTINUED)

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X          SEQUOYAH 2          X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 6 - APRIL 5, 1985 +

INSPECTION REPORT NO: 50-328/85-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-006	04/06/85	05/06/85	INOPERABLE CONTAINMENT SPRAY PUMP, THE VALVE WAS IMMEDIATELY RETURNED TO ITS NORMAL POSITION.

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1. Docket: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 827

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

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

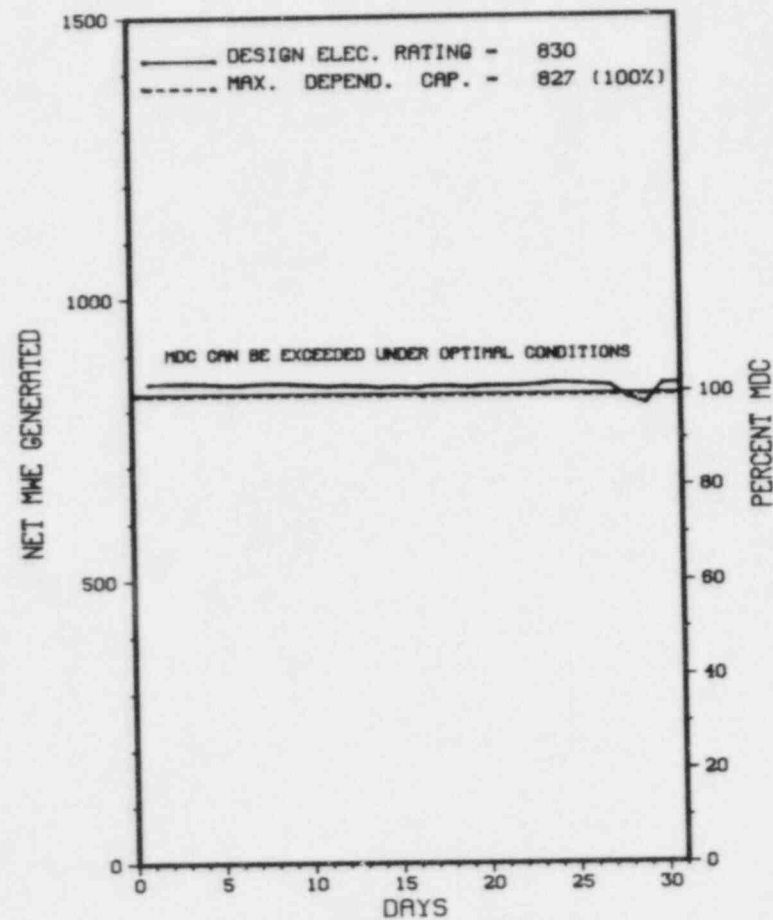
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>74,015.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,619.0</u>	<u>53,640.5</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>3,616.0</u>	<u>52,350.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,990,987</u>	<u>9,634,821</u>	<u>131,770,332</u>
18. Gross Elec Ener (MWH)	<u>661,190</u>	<u>3,216,660</u>	<u>43,075,315</u>
19. Net Elec Ener (MWH)	<u>627,936</u>	<u>3,055,155</u>	<u>40,612,930</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.8</u>	<u>70.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.8</u>	<u>70.8</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>102.3</u>	<u>66.3</u>
23. Unit Cap Factor (DER Net)	<u>101.7</u>	<u>101.6</u>	<u>66.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.2</u>	<u>4.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>7.0</u>	<u>2,459.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 1 *

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

* SUMMARY *

ST. LUCIE 1 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* ST LUCIE 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 22, 1976
DATE ELEC ENER 1ST GENER...MAY 7, 1976
DATE COMMERCIAL OPERATE...DECEMBER 21, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 12 - MARCH 11 (85-07): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 73 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION AND REACTOR TRIPS. ALSO, AN ENFORCEMENT CONFERENCE WAS HELD ON MARCH 28, 1985. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS IDENTIFIED IN THE AREA OF PLANT OPERATIONS (PARAGRAPH 6, FAILURE TO IMPLEMENT THE PROCEDURE FOR EQUIPMENT OUT OF SERVICE). ONE UNRESOLVED ITEM WAS IDENTIFIED FOR POTENTIAL MISSILE SOURCES AS ADDRESSED IN THE FINAL SAFETY ANALYSIS REPORT (FSAR), PARAGRAPH 5.

INSPECTION MARCH 12 - APRIL 8 (85-08): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 87.5 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, INSTALLATION AND OPERATION OF SAFETY RELATED BATTERIES. TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF INSTALLATION AND OPERATIONS OF STATION BATTERIES (PARAGRAPH 8).

INSPECTION APRIL 9 - MAY 13 (85-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 130 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, STATION BATTERY AND POTENTIAL STRIKE PREPARATIONS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED, PARAGRAPH 9.

Report Period MAY 1985

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

* ST LUCIE 1 *

ENFORCEMENT SUMMARY

VIOLATION OF TECHNICAL SPECIFICATION 3.6.3.1 LIMITING CONDITION FOR OPERATION AND FAILURE TO IMPLEMENT THE PLANT PROCEDURE FOR EQUIPMENT OUT-OF-SERVICE, I.E., CONTAINMENT ISOLATION VALVE BLOCKED OPEN. TS 6.4.A.1, 6.4.A.7, AND 6.4.D REQUIRE THAT THE DETAILED WRITTEN PROCEDURES WITH APPROPRIATE CHECK-OFF LISTS AND INSTRUCTIONS PROVIDED FOR ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE STATION, INCLUDING MAINTENANCE OR CHANGES TO THESE SYSTEMS AND COMPONENTS SHALL BE FOLLOWED. CONTRARY TO THE ABOVE REQUIREMENTS DESIGN CHANGE AND ELECTRICAL MAINTENANCE PROCEDURES WERE NOT FOLLOWED ON MARCH 25, 1985, IN THAT SEVERAL UNIT 1 AND UNIT 2 ELECTRICAL CABLE TRAY COVERS WERE OBSERVED TO BE LOOSE AND IMPROPERLY POSITIONED IN THE CABLE VAULT AREAS BETWEEN THE EMERGENCY SWITCHGEAR ROOM AND THE PENETRATION AREAS FOLLOWING ELECTRICAL MAINTENANCE DESIGN CHANGES. IN ADDITION, ON MARCH 27, 1985, SEVERAL CABLE TRAY COVERS IN THE UNIT 2 CONTAINMENT WERE ALSO OBSERVED TO BE LOOSE OR UNATTACHED; NEARLY HALF OF THE 32 CABLE TRAY STRUCTURAL SUPPORTS ON THE VERTICAL TRAYS IN THE CONTAINMENT PENETRATION AREA WERE ALSO LOOSE OR UNBOLTED. (8500 4)

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: APRIL 9 - MAY 13, 1985 +

INSPECTION REPORT NO: 50-335/85-10 +

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
85-003	03/07/85	04/08/85	REACTOR TRIP-LOGIC MATRIX TEST. OPERATOR PERFORMING THE TEST INADVERTENTLY TURNED A TEST SWITCH TO AN INCORRECT POSITION.
85-004	04/04/85	05/06/85	BATTERY SPECIFIC GRAVITY LEVEL CORRECTION, DUE TO PERSONNEL ERROR.

=====

1. Docket: 50-389 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 0850

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 832

8. Maximum Dependable Capacity (Net MWe): 837

9. If Changes Occur Above Since Last Report, Give Reasons:
7 & 8 REVISED INCREASE IN LIC. THERM PWR

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

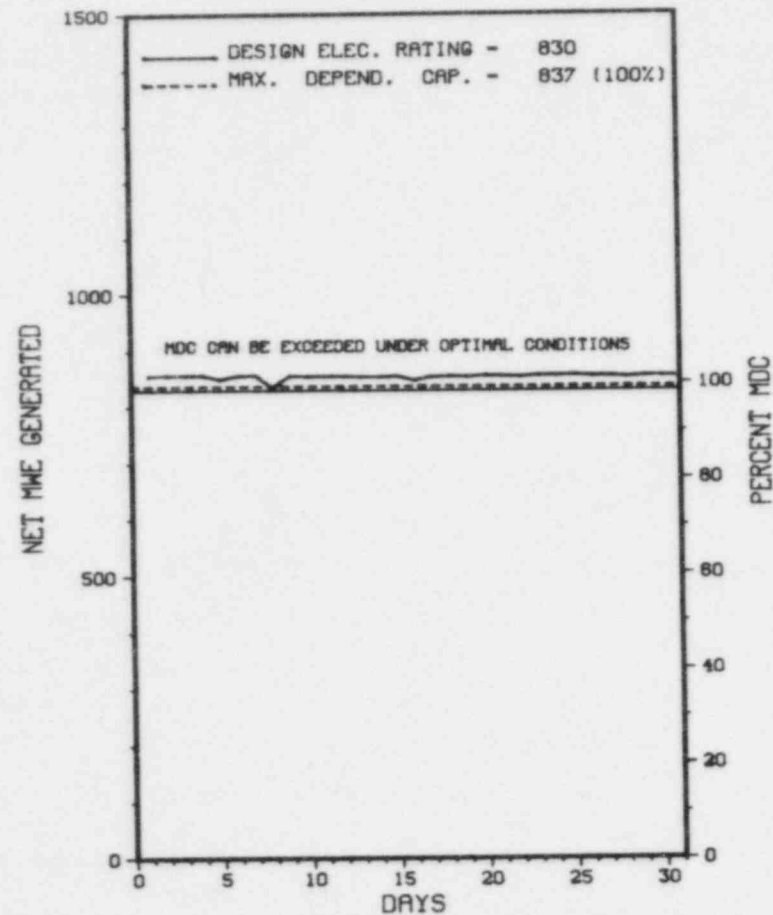
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>15,912.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,369.6</u>	<u>13,975.8</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>3,323.9</u>	<u>13,524.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,992,158</u>	<u>8,549,347</u>	<u>33,907,912</u>
18. Gross Elec Ener (MWH)	<u>668,960</u>	<u>2,876,010</u>	<u>11,325,710</u>
19. Net Elec Ener (MWH)	<u>635,512</u>	<u>2,723,650</u>	<u>10,686,062</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.7</u>	<u>85.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.7</u>	<u>85.0</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>93.2</u>	<u>80.2</u>
23. Unit Cap Factor (DER Net)	<u>102.9</u>	<u>91.2</u>	<u>80.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.0</u>	<u>1,037.3</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

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

***** ST. LUCIE 2 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.
* SUMMARY *

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

* ST LUCIE 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 13, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER....D. SELLS
DOCKET NUMBER.....50-389
LICENSE & DATE ISSUANCE...NPF-16, JUNE 10, 1983
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 12 - MARCH 11 (85-07): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 73 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION AND REACTOR TRIPS. ALSO, AN ENFORCEMENT CONFERENCE WAS HELD ON MARCH 28, 1985. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS IDENTIFIED IN THE AREA OF PLANT OPERATIONS (PARAGRAPH 6, FAILURE TO IMPLEMENT THE PROCEDURE FOR EQUIPMENT OUT OF SERVICE). ONE UNRESOLVED ITEM WAS IDENTIFIED FOR POTENTIAL MISSILE SOURCES AS ADDRESSED IN THE FINAL SAFETY ANALYSIS REPORT (FSAR), PARAGRAPH 5.

INSPECTION MARCH 12 - APRIL 8 (85-08): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 87.5 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, INSTALLATION AND OPERATION OF SAFETY RELATED BATTERIES. TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF INSTALLATION AND OPERATIONS OF STATION BATTERIES (PARAGRAPH 8).

INSPECTION APRIL 9 - MAY 13 (85-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 130 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, STATION BATTERY AND POTENTIAL STRIKE PREPARATIONS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED, PARAGRAPH 9.

Report Period MAY 1985

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

* ST LUCIE 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

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

INSPECTION REPORT NO: 50-389/85-10 +

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

85-001	04/08/85	05/08/85	REACTOR TRIP BY LOW STEAM GENERATOR LEVEL, DUE TO INEFFECTIVE COMMUNICATION BETWEEN CONTROL ROOM OPERATORS.
85-002	04/08/85	05/08/85	REACTOR TRIP ON TURBINE TRIP BY HIGH STEAM GENERATOR WATER LEVEL, DUE TO A COMBINATION OF PERSONNEL ERRORS.
=====			

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: G. A. LOIGNON (803) 345-5209

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 0900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 885

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>12,407.0</u>
13. Hours Reactor Critical	<u>476.1</u>	<u>3,135.3</u>	<u>8,688.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>468.8</u>	<u>3,062.9</u>	<u>8,428.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,256,696</u>	<u>7,929,033</u>	<u>21,261,619</u>
18. Gross Elec Lner (MWH)	<u>418,560</u>	<u>2,650,240</u>	<u>7,082,353</u>
19. Net Elec Ener (MWH)	<u>396,280</u>	<u>2,524,207</u>	<u>6,720,732</u>
20. Unit Service Factor	<u>63.0</u>	<u>84.5</u>	<u>67.9</u>
21. Unit Avail Factor	<u>63.0</u>	<u>84.5</u>	<u>67.9</u>
22. Unit Cap Factor (MDC Net)	<u>60.2</u>	<u>78.7</u>	<u>61.2</u>
23. Unit Cap Factor (DER Net)	<u>59.2</u>	<u>77.4</u>	<u>60.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.2</u>	<u>9.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>238.4</u>	<u>888.9</u>

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

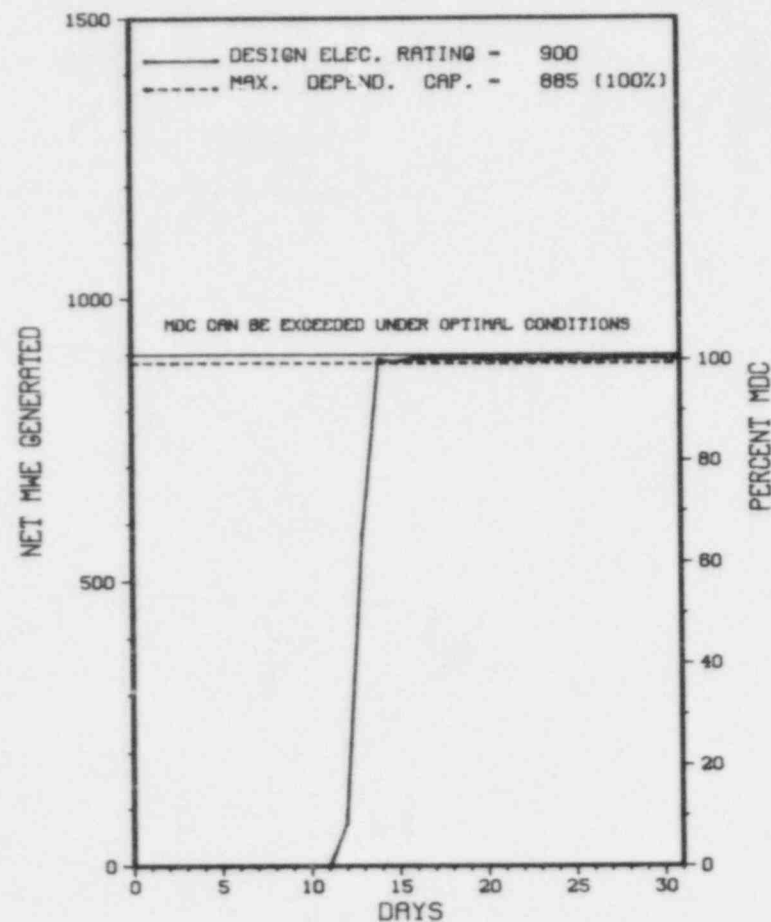
REFUELING OUTAGE: OCTOBER 1985 (42 DAYS).

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

* SUMMER 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
8	04/29/85	S	275.2	A	4			CONTINUATION OF STEAM GENERATOR REPAIRS.

* SUMMARY *

SUMMER 1 STARTED UP ON MAY 12 FOLLOWING STEAM GENERATOR REPAIRS.

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)

* SUMMER 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....FAIRFIELD
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 22, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MONTICELLO RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.
CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. HEHL
LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395
LICENSE & DATE ISSUANCE...NPF-12, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 1-30 (85-15): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 121 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATIONS; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; FOLLOWUP ON WRITTEN REPORTS OF NON-ROUTINE EVENTS AND OPERATING REACTOR EVENTS AND A SPECIAL BATTERY INSPECTION. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO IMPLEMENT THE REQUIRED COMPENSATORY ACTIONS FOR AN INOPERABLE POWER RANGE NUCLEAR FLUX CHANNEL; USE OF NON-CLASS IE INDIVIDUAL CHARGER COMPROMISES CLASS IE BATTERY INDEPENDENCE.

INSPECTION APRIL 22-26 ((85-18): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 231 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 30 - MAY 3 (85-19): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 60 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF PROCEDURES AND INSTRUCTIONS; REVIEW OF QUALITY CONTROL RECORDS AND LOGS; REVIEW OF THE COUNTING ROOM AND CHEMISTRY LABORATORY FACILITIES AND RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. VIOLATION - FAILURE TO MEET REQUIRED LOWER LIMITS OF DETECTION (LLD) FOR EFFLUENT MEASUREMENTS.

INSPECTION MAY 14-16 (85-27): THIS SPECIAL, ANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE REVIEW OF THE BELOW INSERTION LIMIT CRITICALITY EVENT. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES - PARAGRAPH 5.A.

INSPECTION STATUS - (CONTINUED)

ENFORCEMENT SUMMARY

OTHER ITEMS

NONE.

NONE.

NONE.

NORMAL OPERATION.

INSPECTION REPORT NO: 50-395/85-27 +

REPORTS FROM LICENSEE

PAGE 2-345

1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWh): 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>3,623.0</u>	<u>109,055.0</u>
13. Hours Reactor Critical	<u>412.9</u>	<u>3,207.8</u>	<u>67,600.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>396.9</u>	<u>3,167.3</u>	<u>66,176.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>928,849</u>	<u>7,228,218</u>	<u>152,716,702</u>
18. Gross Elec Ener (MWH)	<u>310,025</u>	<u>2,420,390</u>	<u>49,272,353</u>
19. Net Elec Ener (MWH)	<u>294,661</u>	<u>2,301,327</u>	<u>46,713,171</u>
20. Unit Service Factor	<u>53.3</u>	<u>87.4</u>	<u>60.7</u>
21. Unit Avail Factor	<u>53.3</u>	<u>87.4</u>	<u>64.1</u>
22. Unit Cap Factor (MDC Net)	<u>50.7</u>	<u>81.7</u>	<u>54.8</u>
23. Unit Cap Factor (DER Net)	<u>50.3</u>	<u>80.6</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.3</u>	<u>19.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>108.6</u>	<u>12,542.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

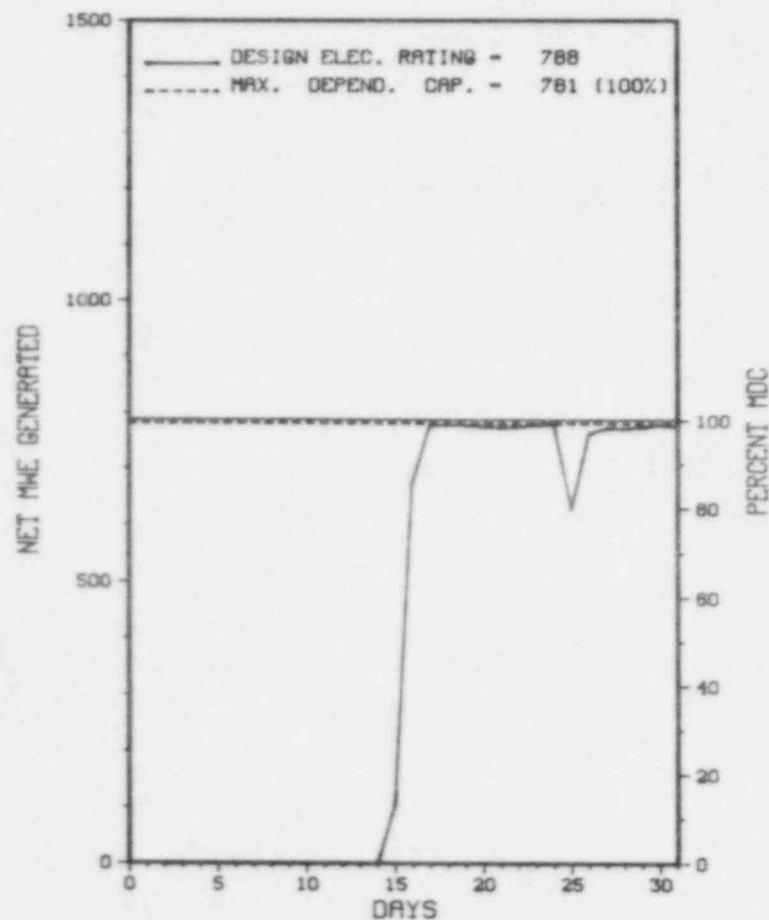
NONE

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

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-8	04/29/85	S	347.1	A	4			UNIT WAS SHUTDOWN FOR REPAIRS TO MOV-RH-1700 AND WENT INTO SNUBBER OUTAGE. MOV-RH 1700 WAS REPACKED. THE SNUBBER OUTAGE WAS COMPLETED AND THE UNIT WAS RETURNED TO SERVICE ON 05-15-85.

 * SUMMARY *

 SURRY 1 EXPERIENCED 1 SHUTDOWN IN MAY FOR VALVE REPAIR AND SNUBBER 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)

* SURRY 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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.....D. NEIGHBORS
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE....DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SHEM 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 5 - APRIL 1 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 76 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, DESIGN CHANGES AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS (LER). IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE PLANT MAINTENANCE AND DESIGN CHANGE AREA FOR FAILING TO FOLLOW PROCEDURES; CERTAIN ELECTRICAL CABLE TRAY COVERS AND SUPPORTS WERE NOT PROPERLY SECURED FOLLOWING ELECTRICAL MAINTENANCE OR DESIGN CHANGES, PARAGRAPH 5.E.

INSPECTION APRIL 2 - MAY 6 (85-12): THIS INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 15-19 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXTERNAL OCCUPATIONAL DOSE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING, AUDITS, AND RADIOLOGICAL PROBLEM REPORTS. ONE VIOLATION - FAILURE TO PROPERLY LABEL RADIOACTIVE MATERIAL.

INSPECTION APRIL 22-26 (85-15): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF CRACKING IN STEAM GENERATOR GIRTH WELDS, INSERVICE INSPECTION, REVIEW OF INFORMATION RELATED TO PROPOSED TECHNICAL SPECIFICATION CHANGES, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* SURRY 1 *

INSPECTION SUMMARY

INSPECTION APRIL 29 - MAY 2 (85-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13.5 INSPECTOR-HOURS ONSITE AND FOUR INSPECTOR-HOURS OFFSITE IN THE AREA OF EMERGENCY PREPAREDNESS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROCEDURALLY REQUIRE ISSUANCE OF A PROMPT PROTECTIVE ACTION RECOMMENDATION (SHELTERING AT MINIMUM) TO OFFSITE AUTHORITIES UPON DECLARATION OF A GENERAL EMERGENCY.

INSPECTION APRIL 29 - MAY 2 (85-17): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF 10 CFR 50; APPENDIX J, TYPE A, B, AND C LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR 20.203(F) REQUIRES EACH CONTAINER OF LICENSED MATERIAL TO BEAR A VISIBLE LABEL IDENTIFYING THE RADIOACTIVE CONTENTS. THE LABEL SHALL BEAR THE RADIATION CAUTION SYMBOL AND THE WORDS "CAUTION - RADIOACTIVE MATERIAL" AND SHALL PROVIDE SUFFICIENT INFORMATION TO PERMIT INDIVIDUALS HANDLING OR USING THE CONTAINERS OR WORKING IN THE VICINITY THEREOF, TO TAKE PRECAUTIONS TO AVOID OR MINIMIZE EXPOSURES. CONTRARY TO THE ABOVE, ON 4/16/85, A PIECE OF PIPING INSULATION WRAPPED IN YELLOW HERCULITE MEASURING 30 MR/HR ON CONTACT WAS DETERMINED TO CONTAIN A QUANTITY OF RADIOACTIVE MATERIAL GREATER THAN THAT LISTED IN 10CFR 20, APPENDIX C, AND THE WRAPPING OVER THE INSULATION DID NOT DISPLAY THE RADIATION CAUTION SYMBOL OR THE WORDS "CAUTION" OR "DANGER" - "RADIOACTIVE MATERIAL".
(8501 4)

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: APRIL 2 - MAY 6, 1985 +

INSPECTION REPORT NO: 50-280/85-12 +

Report Period MAY 1985

REPORTS FROM LICENSEE

* SURRY 1 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
-----
85-005    04/03/85    05/02/85    LOCKOUT OF AUTO C02, OPERATIONS PERSONNEL WILL VERIFY THAT A FIRE WATCH HAS BEEN POSTED.
85-008    03/18/85    04/17/85    LOCKOUT OF AUTO C02 SYSTEM, THE TAG INTENDED FOR FIRE ZONE 8 HAD BEEN PLACED ON FIRE ZONE 05.
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1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (Mwt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

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

11. Reasons for Restrictions, If Any: NONE

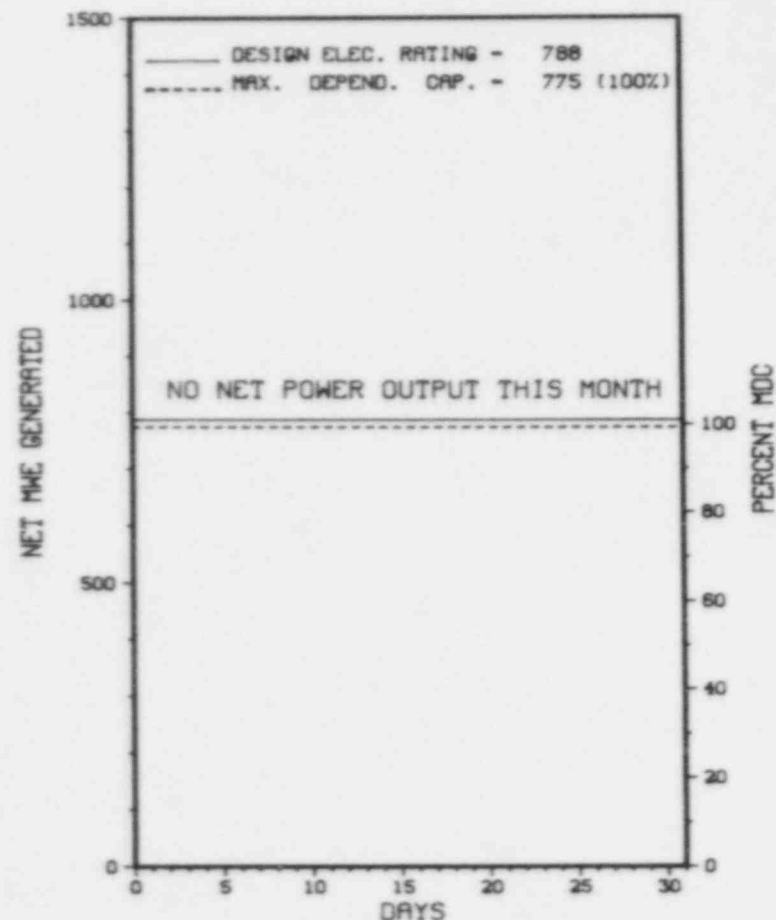
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>105,935.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,885.5</u>	<u>67,891.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,885.5</u>	<u>66,793.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>0</u>	<u>4,465,212</u>	<u>156,463,615</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>1,426,555</u>	<u>50,712,029</u>
19. Net Elec Ener (MMH)	<u>0</u>	<u>1,353,723</u>	<u>48,070,165</u>
20. Unit Service Factor	<u>.0</u>	<u>52.0</u>	<u>63.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>52.0</u>	<u>63.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>48.2</u>	<u>58.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.4</u>	<u>57.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>7,913.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 06/15/85

X SURRY 2 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-1	03/20/85	S	744.0	H	4			UNIT IS SHUTDOWN FOR REFUELING OUTAGE WHICH COMMENCED ON 03-20-85.

 * SUMMARY *

SURRY 2 REMAINS SHUT DOWN FOR REFUELING.

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

SURRY 2 #

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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....D. NEIGHBORS
DOCKET NUMBER.....50-281
LICENSE & DATE ISSUANCE...DPR-37, JANUARY 29, 1973
PUBLIC DOCUMENT ROOM.....SHEM 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 5 - APRIL 1 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 76 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, DESIGN CHANGES AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS (LER). IN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE PLANT MAINTENANCE AND DESIGN CHANGE AREA FOR FAILING TO FOLLOW PROCEDURES; CERTAIN ELECTRICAL CABLE TRAY COVERS AND SUPPORTS WERE NOT PROPERLY SECURED FOLLOWING ELECTRICAL MAINTENANCE OR DESIGN CHANGES, PARAGRAPH 5.E.

INSPECTION APRIL 8-12 (85-11): THIS ROUTINE 50 INSPECTOR-HOURS ON SITE IN THE AREAS OF INDEPENDENT ANALYSIS OF INTEGRATED LEAK RATE TEST RESULTS; REVIEW OF LOCAL AND INTEGRATED LEAK RATE TEST PROCEDURES, DATA, DATA ANALYSIS; AND TEST REPORTS. MULTIPLE EXAMPLES OF ONE VIOLATION WERE IDENTIFIED: VIOLATION 281/85-11-01) - FAILURE TO FOLLOW THE REQUIREMENTS OF APPENDIX J TO 10 CFR 50 (PARAGRAPH 6.A, 9.A, AND 9.C).

INSPECTION APRIL 2 - MAY 6 (85-12): THIS INSPECTION INVOLVED 75 INSPECTOR HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 15-19 (85-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXTERNAL OCCUPATIONAL DOSE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS AND MONITORING, AUDITS, AND RADIOLOGICAL PROBLEM REPORTS. ONE VIOLATION - FAILURE TO PROPERLY LABEL RADIOACTIVE MATERIAL.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* SURRY 2 *

INSPECTION SUMMARY

INSPECTION APRIL 22-24 (85-15): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF CRACKING IN STEAM GENERATOR GIRTH WELDS, INSERVICE INSPECTION, REVIEW OF INFORMATION RELATED TO PROPOSED TECHNICAL SPECIFICATION CHANGES, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 29 - MAY 2 (85-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13.5 INSPECTOR-HOURS ONSITE AND FOUR INSPECTOR-HOURS OFFSITE IN THE AREA OF EMERGENCY PREPAREDNESS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO PROCEDURALLY REQUIRE ISSUANCE OF A PROMPT PROTECTIVE ACTION RECOMMENDATION (SHELTERING AT MINIMUM) TO OFFSITE AUTHORITIES UPON DECLARATION OF A GENERAL EMERGENCY.

INSPECTION APRIL 29 - MAY 2 (85-17): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF 10 CFR 50, APPENDIX J, TYPE A, B, AND C LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.13.B.3 REQUIRES THAT ONE CHARGING PUMP INTERMEDIATE SEAL COOLER SHALL BE OPERATING WHEN THE UNIT IS CRITICAL OR THE UNIT RCS TEMPERATURE AND PRESSURE EXCEED 350 DEGREES F AND 450 PSIG RESPECTIVELY. CONTRARY TO THE ABOVE, ONE UNIT 2 CHARGING PUMP INTERMEDIATE SEAL COOLER WAS NOT IN OPERATION FROM 5:45 A.M. UNTIL 9:30 P.M. ON 2/15/85, DURING POWER OPERATION. COMPONENT COOLING WATER WAS ISOLATED TO THE B INTERMEDIATE SEAL COOLER, WHILE SERVICE WATER WAS ISOLATED TO THE A INTERMEDIATE SEAL COOLER, RENDERING BOTH CHARGING PUMP INTERMEDIATE INOPERABLE. TS 6.4.A.1, 6.4.A.7, AND 6.4.D REQUIRE THAT THE DETAILED WRITTEN PROCEDURES WITH APPROPRIATE CHECK-OFF LISTS AND INSTRUCTIONS PROVIDED FOR ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE STATION, INCLUDING MAINTENANCE OR CHANGES TO THESE SYSTEMS AND COMPONENTS SHALL BE FOLLOWED. CONTRARY TO THE ABOVE REQUIREMENTS DESIGN CHANGE AND ELECTRICAL MAINTENANCE PROCEDURES WERE NOT FOLLOWED ON MARCH 25, 1985, IN THAT SEVERAL UNIT 1 AND UNIT 2 ELECTRICAL CABLE TRAY COVERS WERE OBSERVED TO BE LOOSE AND IMPROPERLY POSITIONED IN THE CABLE VAULT AREAS BETWEEN THE EMERGENCY SWITCHGEAR ROOM AND THE PENETRATION AREAS FOLLOWING ELECTRICAL MAINTENANCE DESIGN CHANGES. IN ADDITION, ON MARCH 27, 1985, SEVERAL CABLE TRAY COVERS IN THE UNIT 2 CONTAINMENT WERE ALSO OBSERVED TO BE LOOSE OR UNATTACHED. NEARLY HALF OF THE 52 CABLE TRAY STRUCTURAL SUPPORTS ON THE VERTICAL TRAYS IN THE CONTAINMENT PENETRATION AREA WERE ALSO LOOSE OR UNBOLTED. (8500 4)

10CFR 20.203(f) REQUIRES EACH CONTAINER OF LICENSED MATERIAL TO BEAR A VISIBLE LABEL IDENTIFYING THE RADIOACTIVE CONTENTS. THE LABEL SHALL BEAR THE RADIATION CAUTION SYMBOL AND THE WORDS "CAUTION - RADIOACTIVE MATERIAL" AND SHALL PROVIDE SUFFICIENT INFORMATION TO PERMIT INDIVIDUALS HANDLING OR USING THE CONTAINERS OR WORKING IN THE VICINITY THEREOF, TO TAKE PRECAUTIONS TO AVOID OR MINIMIZE EXPOSURES. CONTRARY TO THE ABOVE, ON 4/16/85, A PIECE OF PIPING INSULATION WRAPPED IN YELLOW HERCULITE MEASURING 30 MR/MR ON CONTACT WAS DETERMINED TO CONTAIN A QUANTITY OF RADIOACTIVE MATERIAL GREATER THAN THAT LISTED IN 10CFR 20, APPENDIX C, AND THE WRAPPING OVER THE INSULATION DID NOT DISPLAY THE RADIATION CAUTION SYMBOL OR THE WORDS "CAUTION" OR "DANGER" - "RADIOACTIVE MATERIAL". (8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

* SURRY 2 *

INSPECTION STATUS - (CONTINUED)

Report Period MAY 1985

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE *

LAST IE SITE INSPECTION DATE: APRIL 2 - MAY 6, 1985 *

INSPECTION REPORT NO: 50-281/85-12 *

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE.

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1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-2181

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1068

8. Maximum Dependable Capacity (Net MWe): 1032

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>17,376.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>896.0</u>	<u>11,290.6</u>
14. Rx Reserve Shdwn Hrs	<u>.0</u>	<u>41.8</u>	<u>473.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>883.9</u>	<u>11,032.6</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>0</u>	<u>2,529,555</u>	<u>33,151,479</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>823,150</u>	<u>10,813,680</u>
19. Net Elec Ener (MMH)	<u>-11,021</u>	<u>758,646</u>	<u>10,383,160</u>
20. Unit Service Factor	<u>.0</u>	<u>24.4</u>	<u>63.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>24.4</u>	<u>63.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>20.3</u>	<u>57.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>19.7</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.7</u>	<u>13.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>53.9</u>	<u>1,710.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

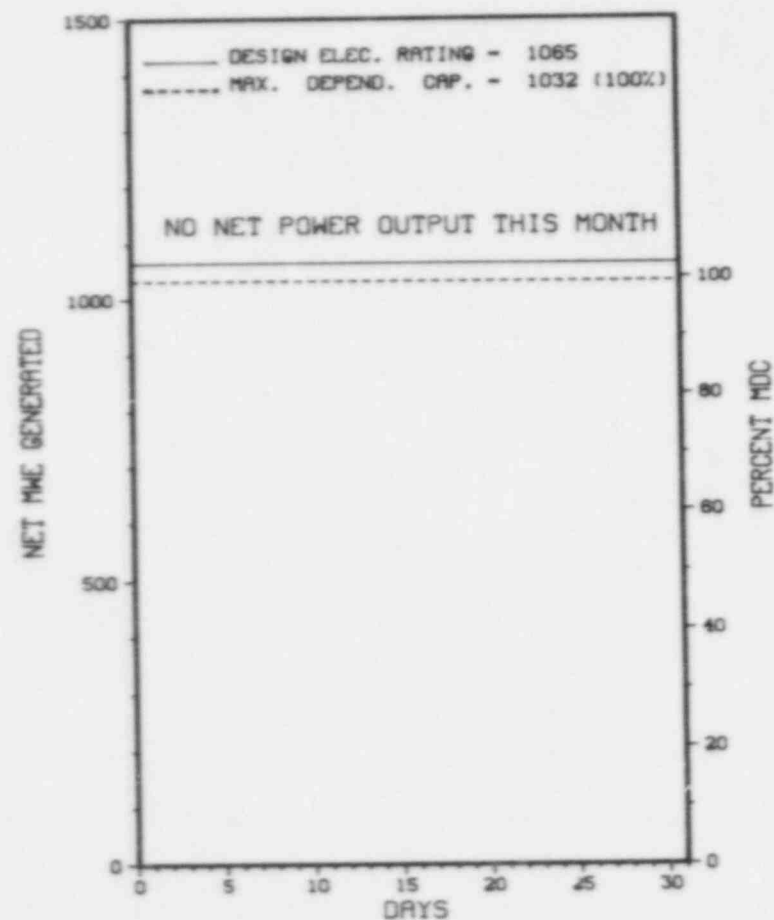
NONE

27. If Currently Shutdown Estimated Startup Date: 06/19/85

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/09/85	S	744.0	C	4				MANUAL SCRAM TO COMMENCE FIRST REFUELING OUTAGE.

 * SUMMARY *

SUSQUEHANNA 1 REMAINS SHUT DOWN FOR REFUELING.

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

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE....JUNE 8, 1983
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. JACOBS
LICENSING PROJ MANAGER.....M. CAMPAGNONE
DOCKET NUMBER.....50-387
LICENSE & DATE ISSUANCE...NPF-14, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

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

* SUSQUEHANNA 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

NO INPUT PROVIDED.			
=====			

1. Docket: 50-388 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759

4. Licensed Thermal Power (Mwt): 3295

5. Nameplate Rating (Gross MWe): 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1068

8. Maximum Dependable Capacity (Net MWe): 1032

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,615.0</u>	<u>2,615.0</u>
13. Hours Reactor Critical	<u>688.0</u>	<u>2,376.9</u>	<u>2,376.9</u>
14. Rx Reserve Shdwn Hrs	<u>34.6</u>	<u>216.7</u>	<u>216.7</u>
15. Hrs Generator On-Line	<u>651.5</u>	<u>2,316.6</u>	<u>2,316.6</u>
16. Unit Reserve Shdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>2,009,203</u>	<u>7,321,358</u>	<u>7,321,358</u>
18. Gross Elec Ener (MMH)	<u>659,078</u>	<u>2,402,980</u>	<u>2,402,980</u>
19. Net Elec Ener (MMH)	<u>626,922</u>	<u>2,317,920</u>	<u>2,317,920</u>
20. Unit Service Factor	<u>87.6</u>	<u>88.6</u>	<u>88.6</u>
21. Unit Avail Factor	<u>87.6</u>	<u>88.6</u>	<u>88.6</u>
22. Unit Cap Factor (MDC Net)	<u>81.7</u>	<u>85.1</u>	<u>85.9</u>
23. Unit Cap Factor (DER Net)	<u>79.1</u>	<u>83.2</u>	<u>83.2</u>
24. Unit Forced Outage Rate	<u>12.4</u>	<u>11.4</u>	<u>11.4</u>
25. Forced Outage Hours	<u>92.5</u>	<u>298.4</u>	<u>298.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):			

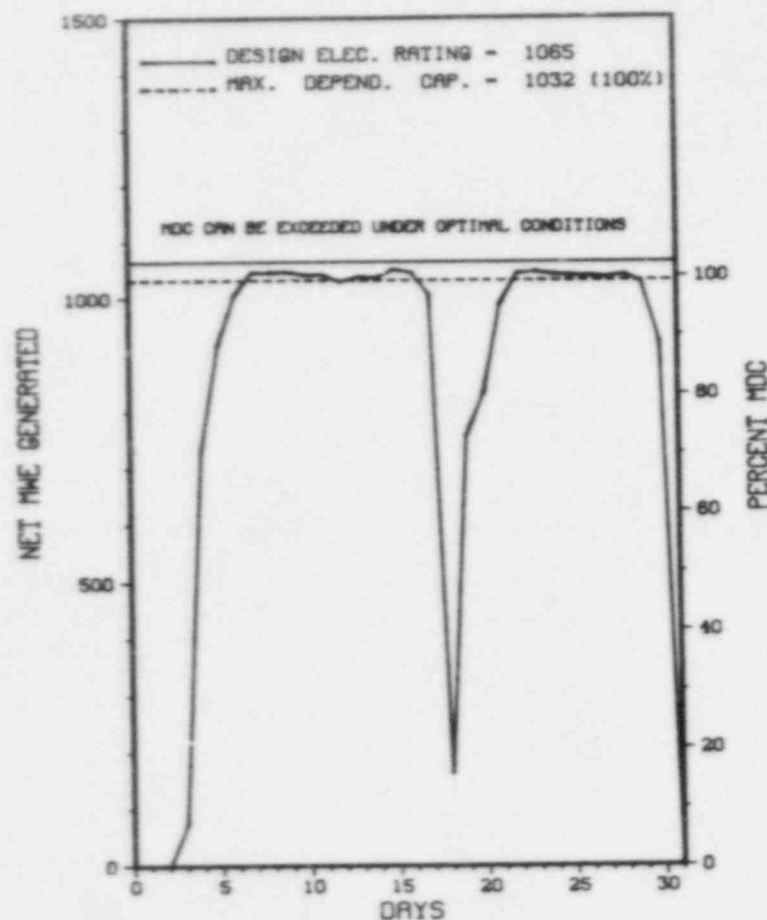
NONE

27. If Currently Shutdown Estimated Startup Date: 06/03/85

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	04/26/85	F	69.8	A	4		HA	GENERA	CONTROLLED UNIT SHUTDOWN COMPLETED TO PERMIT REPAIR OF THE GENERATOR STATOR COOLING WATER LEAK.
9	05/18/85	F	9.4	A	9		HA	TRANSF	REACTOR POWER REDUCED TO APPROX. 18% AND THE MAIN GENERATOR WAS TAKEN OUT OF SERVICE TO PERMIT REPAIR OF THE MAIN TRANSFORMER NITROGEN RELIEF VALVE.
10	05/31/85	F	22.3	A	2	85-017-00	CB	VALVEX	REACTOR RECIRCULATION PUMP 'A' DISCHARGE BYPASS VALVE DEVELOPED A SEVERE PACKING LEAK WHICH LED TO THE UNIT SHUTDOWN.

***** SUSQUEHANNA 2 INCURRED 3 OUTAGES IN MAY AS DESCRIBED ABOVE.

* SUMMARY *

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

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERNICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 8, 1984
DATE ELEC ENER 1ST GENER...JULY 3, 1984
DATE COMMERCIAL OPERATE...FEBRUARY 12, 1985
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. PLISCO
LICENSING PROJ MANAGER....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period MAY 1985

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

* SUSQUEHANNA 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.			
=====			

1. Docket: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 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): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>94,200.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>839.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>76,531,071</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,484,330</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>23,840,053</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>33.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>33.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>32.4*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>30.9</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>64.1</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,623.0</u>	<u>55,532.5</u>

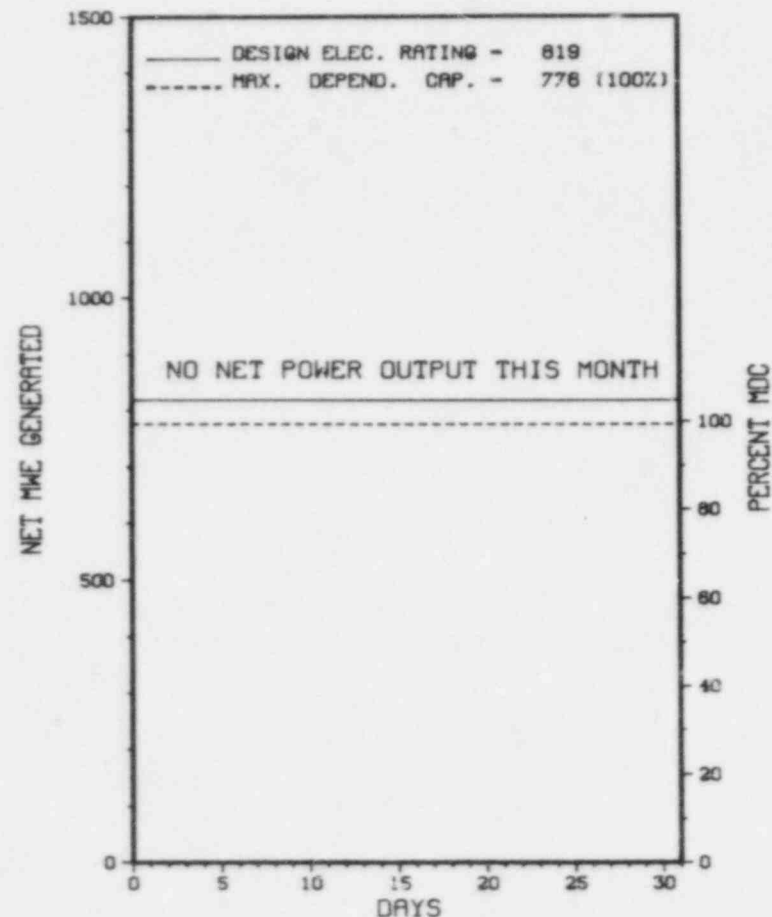
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	02/17/79	F	744.0	D	4		ZZ ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

* SUMMARY *

THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT TO UNIT 2.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	3-Auto Scram	Preparation of
	D-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 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE...SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. CONTE
LICENSING PROJ MANAGER.....J. THOMA
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE...DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION 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 1985

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

* THREE MILE ISLAND 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST 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: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: L. S. PETERSON (503) 556-3717 X496

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1250 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

11. Reasons for Restrictions, If Any: _____
NONE

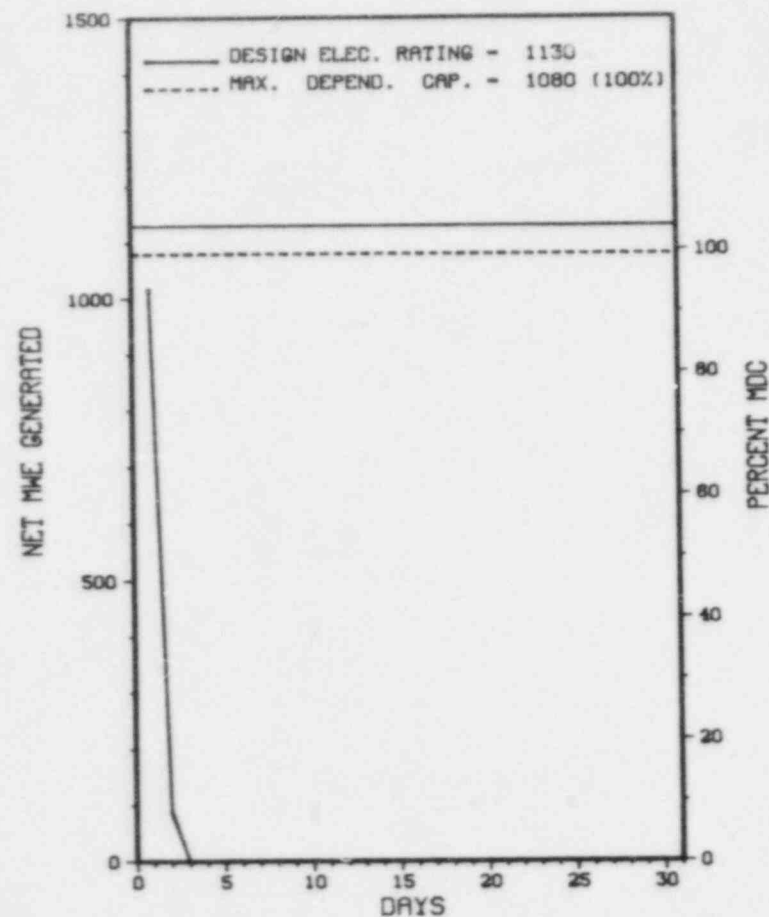
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>76,679.0</u>
13. Hours Reactor Critical	<u>30.5</u>	<u>2,767.4</u>	<u>46,513.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>30.0</u>	<u>2,749.5</u>	<u>45,085.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>89,332</u>	<u>9,202,378</u>	<u>143,188,540</u>
18. Gross Elec Ener (MWH)	<u>28,492</u>	<u>2,942,494</u>	<u>46,498,274</u>
19. Net Elec Ener (MWH)	<u>21,664</u>	<u>2,803,108</u>	<u>43,953,608</u>
20. Unit Service Factor	<u>4.0</u>	<u>75.9</u>	<u>58.8</u>
21. Unit Avail Factor	<u>4.0</u>	<u>75.9</u>	<u>63.0</u>
22. Unit Cap Factor (MDC Net)	<u>2.7</u>	<u>71.6</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>2.6</u>	<u>68.5</u>	<u>50.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.5</u>	<u>16.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>159.5</u>	<u>8,882.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

27. If Currently Shutdown Estimated Startup Date: 07/09/85

X TROJAN X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

TROJAN

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-03	05/01/85	S	714.0	C	1		RC FUELXX	UNIT SHUTDOWN AS SCHEDULED FOR ANNUAL REFUELING OUTAGE.

* SUMMARY *

TROJAN BEGAN A REFUELING OUTAGE ON MAY 3RD.

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

* TROJAN *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...32 MI N OF
PORTLAND, ORE
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 15, 1975
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975
DATE COMMERCIAL OPERATE...MAY 20, 1976
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...COOLING TOWER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....S. RICHARDS
LICENSING PROJ MANAGER....C. TRAMMELL
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....MULTNOMAH COUNTY LIBRARY
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97205

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON APRIL 2 - MAY 13, 1985 (REPORT NO. 50-344/85-13) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUS INSPECTION ITEMS, REVIEW OF REFUELING ACTIVITIES, AND INSPECTION OF VARIOUS ASPECTS OF PLANT OPERATION. THE INSPECTION INVOLVED 266 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 13-30, 1985 (REPORT NO. 50-344/85-14) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR INCLUDING: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, FOLLOWUP ON STEAM GENERATOR INSERT HANDLING, REVIEW OF LICENSEE REPORTS, AND OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE FOUR AREAS INSPECTED, A VIOLATION WAS IDENTIFIED IN ONE AREA: FAILURE TO PERFORM A SURVEY (EVALUATION) 10 CFR 20.201, REPORT SECTION 3.

+ INSPECTION ON MAY 13-17, 1985 (REPORT NO. 50-344/85-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE MAINTENANCE PROGRAM, DESIGN CHANGES AND MODIFICATION PROGRAM, AND CLOSEOUT OF OPEN ITEMS. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

Report Period MAY 1985

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

* TROJAN *

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 14 - JUNE 28, 1985 (REPORT NO. 50-344/85-16) 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:

+ MODE 5 SHUTDOWN, REFUELING COMPLETE, DRAINING TO CENTERLINE OF REACTOR VESSEL NOZZLE FOR STEAM GENERATOR EDDY CURRENT TESTING.

LAST IE SITE INSPECTION DATE: 05/14-06/28/85+

INSPECTION REPORT NO: 50-344/85-16+

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
85-03-L0	03-13-85	04-12-85	INADVERTENT SAFETY INJECTION DUE TO CIRCUIT FAILURE

=====

1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

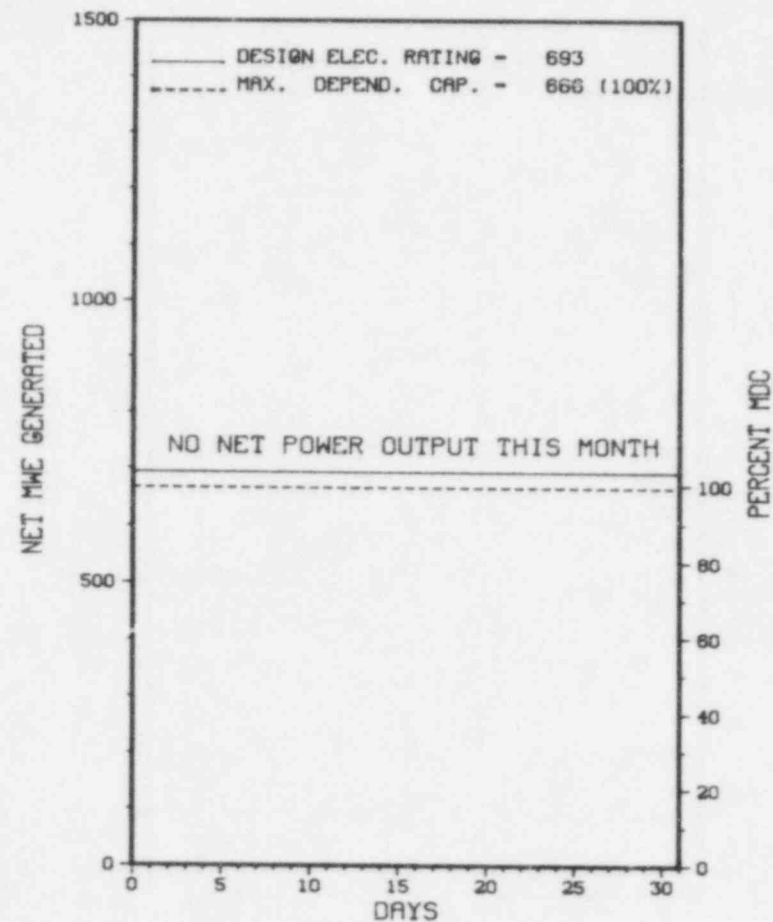
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>109,472.6</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,057.1</u>	<u>77,449.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,011.6</u>	<u>75,190.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,308,366</u>	<u>155,437,877</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,421,925</u>	<u>49,677,620</u>
19. Net Elec Ener (MWH)	<u>-1,533</u>	<u>1,347,429</u>	<u>47,044,635</u>
20. Unit Service Factor	<u>.0</u>	<u>55.5</u>	<u>68.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>55.5</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>55.8</u>	<u>66.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>53.7</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.7</u>	<u>6.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>121.9</u>	<u>4,260.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>NONE</u>		

27. If Currently Shutdown Estimated Startup Date: 06/22/85

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 3



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
05	03/30/85	S	744.0	C	4		RC FUELXX	UNIT NO. 3 REMAINED SHUTDOWN FOR REFUELING AND SCHEDULED MAINTENANCE.

 * SUMMARY *

 TURKEY POINT 3 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE....DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
II RESIDENT INSPECTOR.....T. PEEBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION MARCH 11 - APRIL 8 (85-06): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 101 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 40 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, IE BULLETIN FOLLOWUP, LICENSEE EVENT REPORT FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, PREPARATION FOR REFUELING, AND INDEPENDENT INSPECTION. OF THE TEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN NINE AREAS AND TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA (TWO SEPARATE OCCURRENCES OF FAILURE TO MEET TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS, PARAGRAPH 7). NO DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 9-12 (85-07): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 17.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE PROGRESS, INSERVICE INSPECTION (ISI) (UNIT 3), IE BULLETIN (IEB), FOLLOWUP ON IE INFORMATION NOTICES, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 23-26 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS (UNITS 3 AND 4), AND IE INFORMATION NOTICE (UNIT 3). TWO VIOLATIONS WERE IDENTIFIED - "FAILURE TO PROVIDE ACCEPTANCE CRITERIA FOR THREAD ENGAGEMENT" - PARAGRAPH 3.A. AND "FAILURE TO INCLUDE THE ACCUMULATOR PRESSURE RELIEF VALVES IN THE ASME SECTION XI PUMP AND VALVE PROGRAM" - PARAGRAPH 3.B.

INSPECTION APRIL 15-19 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING REFUELING ACTIVITY, FOLLOWUP OF IEB 84-03 AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* TURKEY POINT 3 *

INSPECTION SUMMARY

INSPECTION APRIL 15-19 (85-12): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 16.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02) AND SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING (IEB 79-14). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 22-26 (85-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17.5 INSPECTOR HOURS ONSITE INSPECTING: MANAGEMENT EFFECTIVENESS SECURITY PROGRAM; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL AND VEHICLES; DETECTION AIDS-PROTECTED AREAS; COMMUNICATIONS; AND PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 29-MAY 3 (85-15): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM, AUDITS, RECORDS, DOCUMENT CONTROL, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 29 - MAY 3 (85-16): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF SNUBBER SURVEILLANCE PROGRAM, CONTROL OF HEAVY LOADS (NUREG 0612), LICENSEE IDENTIFIED ITEMS (LER), FOLLOWUP ON IEB 80-11 AND IEN 85-10, AND UNIT 3 CONTAINMENT REACTOR BUILDING PROTECTIVE COATING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TS 4.15.2.A.5 REQUIRES THAT EACH TESTABLE VALVE IN THE FIRE PROTECTION WATER SYSTEM BE CYCLED ANNUALLY. TS 4.15.2.A.3 REQUIRES THAT EACH VALVE IN THE FIRE PROTECTION WATER SYSTEM FLOW PATH BE VERIFIED TO BE IN ITS CORRECT POSITION MONTHLY. TS 4.18.1 REQUIRES A MONTHLY FIRE SUPPRESSION WATER SYSTEM WALKDOWN TO VERIFY THAT EACH ACCESSIBLE VALVE IS IN ITS CORRECT POSITION. CONTRARY TO THE ABOVE, PRIOR TO APRIL 1, 1985, FOUR ACCESSIBLE AND TESTABLE VALVES IN THE FIRE PROTECTION (SUPPRESSION) WATER SYSTEM WERE NEITHER CYCLED ANNUALLY NOR VERIFIED MONTHLY TO BE IN THEIR CORRECT POSITIONS. TS 4.1, TABLE 4.1-1, REQUIRES THAT EACH POWER RANGE NUCLEAR INSTRUMENT (NI) CHANNEL BE CALIBRATED QUARTERLY. TS 1.7.3 REQUIRES THAT A CHANNEL CALIBRATION ENCOMPASS THE ENTIRE CHANNEL. CONTRARY TO THE ABOVE, AS OF APRIL 1, 1985, QUARTERLY CALIBRATIONS OF THE POWER RANGE NI CHANNELS DID NOT ENCOMPASS THE ENTIRE CHANNEL IN THAT THE POWER RANGE NI OUTPUT SIGNAL FROM EACH INSTRUMENT'S LOWER DETECTOR WAS NOT VERIFIED TO SUPPLY AN INPUT TO THE OVER-TEMPERATURE DELTA-TEMPERATURE (OTDT) AND OVERPOWER DELTA-TEMPERATURE (OPDT) PROTECTIVE CIRCUITS. TECHNICAL SPECIFICATION (TS) 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX "A" OF USNRC REGULATORY GUIDE 1.33. A) SPECIFICALLY, SECTIONS 5.3.5(3) AND 6.4 OF ANSI N18.7 REQUIRES THAT FOLLOWING MAINTENANCE OR TESTING THAT SPECIAL ATTENTION SHALL BE GIVEN TO RESTORATION OF NORMAL CONDITIONS... AND TO SYSTEMS THAT CAN BE DEFEATED BY LEAVING VALVES OR BREAKERS MISPOSITIONED. CONTRARY TO THE ABOVE, SURVEILLANCE TEST, OF 4004.1, CONTAINMENT SPRAY PUMPS-PERIODIC TEST, REVISION DECEMBER 12, 1984, DID NOT REQUIRE THAT THE BREAKER INDICATIONS WERE NORMAL AND THAT THE BREAKER WAS CAPABLE OF CLOSING AS REQUIRED DURING RESTORATION OF NORMAL CONDITIONS FOLLOWING TESTING CONDUCTED ON FEBRUARY 6, 1985, OF 4A CONTAINMENT SPRAY PUMP (CSP). AS A RESULT, THE 4A CSP BREAKER WAS FOUND INOPERABLE ON FEBRUARY 18, 1985. CONTRARY TO TITLE 10CFR, PART 50.55A(G), THE LICENSEE FAILED TO INCLUDE THE ACCUMULATOR PRESSURE RELIEF VALVES IN THE ASMR SECTION XI PUMP AND VALVE PROGRAM.

CONTRARY TO TITLE 10CFR, PART 50.55A(G), APPENDIX B, CRITERION V, THE LICENSEE FAILED TO PROVIDE ACCEPTANCE CRITERIA FOR THREAD ENGAGEMENT. TS 4.15.2.A.5 REQUIRES THAT EACH TESTABLE VALVE IN THE FIRE PROTECTION WATER SYSTEM BE CYCLED ANNUALLY. TS 4.15.2.A.3 REQUIRES THAT EACH VALVE IN THE FIRE PROTECTION WATER SYSTEM FLOW PATH BE VERIFIED TO BE IN ITS CORRECT POSITION MONTHLY. TS 4.18.1 REQUIRES A MONTHLY FIRE SUPPRESSION WATER SYSTEM WALKDOWN TO VERIFY THAT EACH ACCESSIBLE VALVE IS IN ITS CORRECT POSITION. CONTRARY TO THE ABOVE, PRIOR TO APRIL 1, 1985, FOUR ACCESSIBLE AND TESTABLE VALVES IN THE FIRE PROTECTION (SUPPRESSION) WATER SYSTEM WERE NEITHER CYCLED ANNUALLY NOR VERIFIED MONTHLY TO BE IN THEIR CORRECT POSITIONS. TS 4.1, TABLE 4.1-1, REQUIRES THAT EACH POWER RANGE NUCLEAR INSTRUMENT (NI) CHANNEL BE CALIBRATED QUARTERLY. TS 1.7.3 REQUIRES THAT A CHANNEL CALIBRATION ENCOMPASS THE ENTIRE CHANNEL. CONTRARY TO THE ABOVE, AS OF APRIL 1, 1985, QUARTERLY CALIBRATIONS OF THE POWER RANGE NI CHANNELS DID NOT ENCOMPASS THE ENTIRE CHANNEL IN THAT THE POWER RANGE NI OUTPUT SIGNAL FROM EACH INSTRUMENT'S LOWER DETECTOR WAS NOT VERIFIED TO SUPPLY AN INPUT TO THE OVER-TEMPERATURE DELTA-TEMPERATURE (OTDT) AND OVERPOWER DELTA-TEMPERATURE (OPDT).

ENFORCEMENT SUMMARY

PROTECTIVE CIRCUITS. TECHNICAL SPECIFICATION (TS) 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX "A" OF USNRC REGULATORY GUIDE 1.33. A) SPECIFICALLY, SECTIONS 5.3.5(*) AND 6.4 OF ANSI N18.7 REQUIRES THAT FOLLOWING MAINTENANCE OR TESTING THAT SPECIAL ATTENTION SHALL BE GIVEN TO RESTORATION OF NORMAL CONDITIONS... AND TO SYSTEMS THAT CAN BE DEFEATED BY LEAVING VALVES OR BREAKERS MISPOSITIONED. CONTRARY TO THE ABOVE, SURVEILLANCE TEST, OP 4004.1, CONTAINMENT SPRAY PUMPS-PERIODIC TEST, REVISION DECEMBER 12, 1984, DID NOT REQUIRE THAT THE BREAKER INDICATIONS WERE NORMAL AND THAT THE BREAKER WAS CAPABLE OF CLOSING AS REQUIRED DURING RESTORATION OF NORMAL CONDITIONS FOLLOWING TESTING CONDUCTED ON FEBRUARY 6, 1985, OF 4A CONTAINMENT SPRAY PUMP (CSP). AS A RESULT, THE 4A CSP BREAKER WAS FOUND INOPERABLE ON FEBRUARY 18, 1985. CONTRARY TO TITLE 10CFR, PART 50.55A(G), THE LICENSEE FAILED TO INCLUDE THE ACCUMULATOR PRESSURE RELIEF VALVES IN THE ASMR SECTION XI PUMP AND VALVE PROGRAM.

CONTRARY TO TITLE 10CFR, PART 50, APPENDIX B, CRITERION V, THE LICENSEE FAILED TO PROVIDE ACCEPTANCE CRITERIA FOR THREAD ENGAGEMENT. THE LICENSEE DID NOT ESTABLISH WRITTEN INSPECTION PROCEDURES WHICH SET FORTH THE REQUIREMENTS, ACCEPTANCE LIMITS, AND INSPECTION RESPONSIBILITIES; DID NOT WRITE OR APPROVE INSPECTION INSTRUCTIONS AND CHECKLIST; DID NOT IDENTIFY OR PROVIDE QUALIFIED INDIVIDUALS FOR EXAMINATION TO ASSURE QUALITY WORK; DID NOT PROVIDE FOR THE EVALUATION OF INSPECTION RESULTS TO DETERMINE IF THE PLANT COULD BE OPERATED SAFELY AND AS DESIGNED; DID NOT HAVE RECORDS TO PERMIT ADEQUATE INFORMATION OF THE INSPECTION PROGRAM; AND DID NOT HAVE IDENTIFIABLE OR RETRIEVABLE INSPECTION RECORDS.
(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

REFUELING OUTAGE. +

LAST IE SITE INSPECTION DATE: APRIL 29 - MAY 3, 1985 +

INSPECTION REPORT NO: 50-250/85-16 +

Report Period MAY 1985

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

* TURKEY POINT 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-008	03/12/85	04/11/85	T.S. SURVEILLANCE - GASEOUS EFFLUENT MONITORS, DUE TO MISCOMMUNICATION BETWEEN 2 ON-SHIFT CHEMISTRY TECHNICIANS.
85-009	04/01/85	05/01/85	T.S.-SNUBBERS. THE AS FOUND CONDITION OF THE SNUBBERS WAS NOT ADEQUATELY EVALUATED.
85-010	03/30/85	04/29/85	T.S. SHUTDOWN-SUBCOOLING MARGIN MONITORS, DUE TO FAILURE OF 6 REACTOR COOLANT SYSTEM TEMP ELEMENTS TO MEET ENVIRONMENTAL QUALIFICATION.
85-011	04/06/85	05/06/85	T.S.-SNUBBERS. INADEQUATE GUIDANCE.

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

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

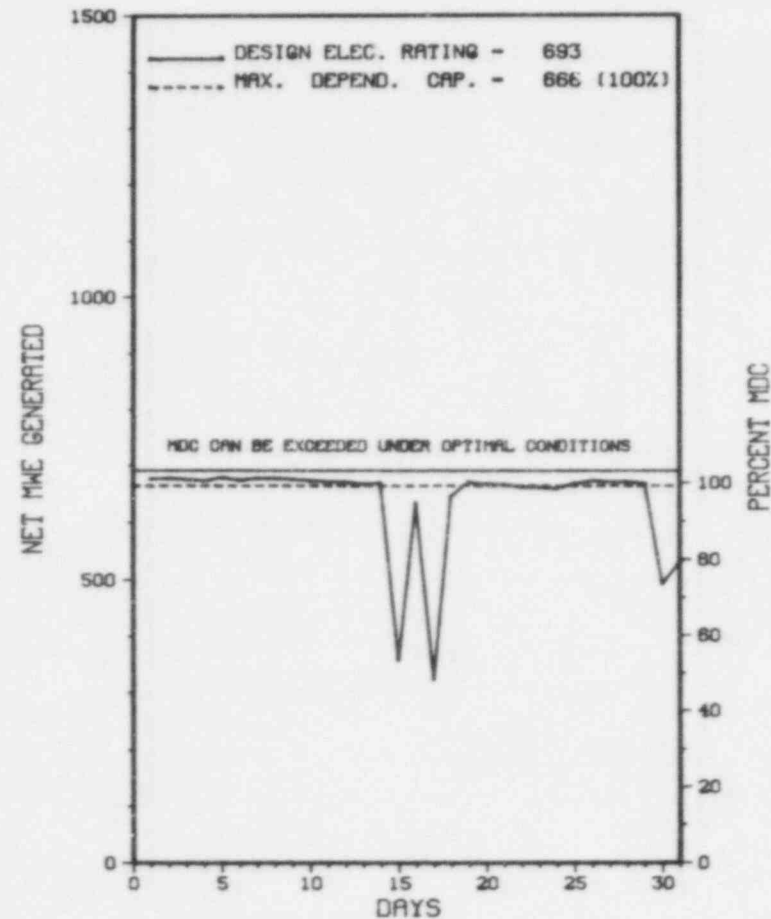
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>103,200.0</u>
13. Hours Reactor Critical	<u>720.3</u>	<u>3,342.4</u>	<u>73,061.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>712.6</u>	<u>3,312.7</u>	<u>70,560.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,551,752</u>	<u>7,117,805</u>	<u>149,256,911</u>
18. Gross Elec Ener (MWH)	<u>499,865</u>	<u>2,312,060</u>	<u>47,504,517</u>
19. Net Elec Ener (MWH)	<u>475,496</u>	<u>2,198,887</u>	<u>44,985,217</u>
20. Unit Service Factor	<u>95.8</u>	<u>91.4</u>	<u>68.4</u>
21. Unit Avail Factor	<u>95.8</u>	<u>91.4</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.0</u>	<u>91.1</u>	<u>67.1*</u>
23. Unit Cap Factor (DER Net)	<u>92.2</u>	<u>87.6</u>	<u>62.9</u>
24. Unit Forced Outage Rate	<u>4.2</u>	<u>7.9</u>	<u>6.3</u>
25. Forced Outage Hours	<u>31.4</u>	<u>283.5</u>	<u>4,321.6</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING: JANUARY, 1986 - 12 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	05/15/85	F	10.5	A	3	85-10	CB	RELAYX	A REACTOR AND TURBINE TRIP OCCURRED FOLLOWING ACTUATION OF ESF RELAY WHICH WAS INADVERTENTLY BUMPED DURING PLANT MODIFICATION. THE UNIT THEN RETURNED TO POWER OPERATION.
11	05/17/85	F	11.3	H	3	85-11	XX	XXXXXX	A REACTOR TRIP RESULTED FROM A LOSS OF OFFSITE POWER ASSOCIATED WITH BRUSH FIRES THAT AFFECTED TRANSMISSION LINES. THE UNIT RETURNED TO POWER OPERATION FOLLOWING RESTORATION OF OFFSITE POWER.
12	05/30/85	F	9.6	A	3	85-12	EB	GENERA	THE LOSS OF AN INSTRUMENT INVERTER RESULTED IN A TURBINE RUNBACK CAUSING A REACTOR TRIP ON LOW STEAM GENERATOR LEVEL AND FEED FLOW/STEAM FLOW MISMATCH. THE INVERTER WAS REPLACED AND THE UNIT RETURNED TO POWER OPERATION.

 * SUMMARY *

 TURKEY POINT 1 INCURRED 3 SHUTDOWNS IN 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)

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X          TURKEY POINT 4          X
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FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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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

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UTILITY & CONTRACTOR INFORMATION

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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
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REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEEBLES
LICENSING PROJ MANAGER.....D. McDONALD
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION MARCH 11 - APRIL 8 (85-06): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 101 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 40 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, IE BULLETIN FOLLOWUP, LICENSEE EVENT REPORT FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, PREPARATION FOR REFUELING, AND INDEPENDENT INSPECTION. OF THE TEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN NINE AREAS AND TWO VIOLATIONS WERE IDENTIFIED IN ONE AREA (TWO SEPARATE OCCURRENCES OF FAILURE TO MEET TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS, PARAGRAPH 7). NO DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 9 -12 (85-07): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 17.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MAINTENANCE PROGRESS, INSERVICE INSPECTION (ISI) (UNIT 3), IE BULLETIN (IEB), FOLLOWUP ON IE INFORMATION NOTICES, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 23-26 (85-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS (UNITS 3 AND 4), AND IE INFORMATION NOTICE (UNIT 3). TWO VIOLATIONS WERE IDENTIFIED - "FAILURE TO PROVIDE ACCEPTANCE CRITERIA FOR THREAD ENGAGEMENT - PARAGRAPH 3.A. AND "FAILURE TO INCLUDE THE ACCUMULATOR PRESSURE RELIEF VALVES IN THE ASME SECTION XI PUMP AND VALVE PROGRAM" - PARAGRAPH 3.B.

INSPECTION APRIL 15-19 (85-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING REFUELING ACTIVITY, FOLLOWUP OF IEB 84-03 AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* TURKEY POINT 4 *

INSPECTION SUMMARY

INSPECTION APRIL 15-19 (85-12): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 16.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02) AND SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING (IEB 79-14). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 22-26 (85-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17.5 INSPECTOR HOURS ONSITE INSPECTING: MANAGEMENT EFFECTIVENESS SECURITY PROGRAM; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL AND VEHICLES; DETECTION AIDS-PROTECTED AREAS; COMMUNICATIONS; AND PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 29 - MAY 3 (85-15): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, QA PROGRAM, AUDITS, RECORDS, DOCUMENT CONTROL, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 29 - MAY 3 (85-16): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 17.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF SNUBBER SURVEILLANCE PROGRAM, CONTROL OF HEAVY LOADS (NUREG 0612), LICENSEE IDENTIFIED ITEMS (LER), FOLLOWUP ON IEB 80-11 AND IEN 85-10, AND UNIT 3 CONTAINMENT REACTOR BUILDING PROTECTIVE COATING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: APRIL 29 - MAY 3, 1985 +

INSPECTION REPORT NO: 50-251/8516 +

Report Period MAY 1985

REPORTS FROM LICENSEE

* TURKEY POINT 4 *

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=====
NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
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85-008    4/118/85    05/13/85    T.S.-CONTAINMENT INTEGRITY. TEST CONNECTION LEAKAGE & THE MALFUNCTION OF CV-4-951.
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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: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: F. J. BURGER (802) 257-7711 X136

4. Licensed Thermal Power (Mwt): 1593

5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

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

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

11. Reasons for Restrictions, If Any:
NONE

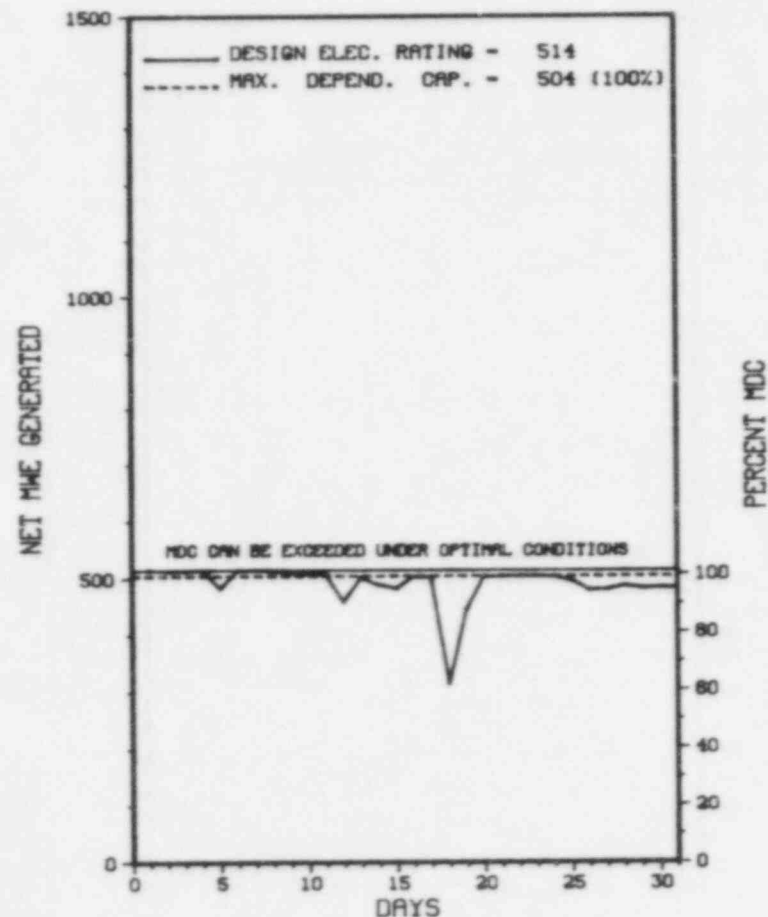
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>111,265.8</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,608.0</u>	<u>90,421.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,602.6</u>	<u>88,032.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,160,304</u>	<u>5,656,907</u>	<u>128,215,906</u>
18. Gross Elec Ener (MWH)	<u>385,429</u>	<u>1,909,219</u>	<u>42,698,967</u>
19. Net Elec Ener (MWH)	<u>365,094</u>	<u>1,825,818</u>	<u>40,526,666</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.4</u>	<u>79.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.4</u>	<u>79.1</u>
22. Unit Cap Factor (MDC Net)	<u>97.4</u>	<u>100.0</u>	<u>72.3</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>98.0</u>	<u>70.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.4</u>	<u>5,466.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINT. OUTAGE: 9/14/85 - 6 MOS.

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

* VERMONT YANKEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
VERMONT YANKEE 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-08	05/18/85	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN EXCHANGE AND SURVEILLANCE TESTING.

* SUMMARY *

VERMONT YANKEE OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* VERMONT YANKEE 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT
COUNTY.....WINDHAM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 24, 1972
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972
DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER
CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER....V. ROONEY
DOCKET NUMBER.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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 1985

INSPECTION STATUS - (CONTINUED)

* VERMONT YANKEE 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1201

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1155

8. Maximum Dependable Capacity (Net MWe): 1100

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

10. Power Level To Which Restricted, If Any (Net MWe): 590

11. Reasons for Restrictions, If Any: _____

RRC PUMP PROBLEM

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>4,063.2</u>
13. Hours Reactor Critical	<u>74.1</u>	<u>2,562.0</u>	<u>2,978.5</u>
14. Rx Reserve Shtdwn Hrs	<u>669.9</u>	<u>669.9</u>	<u>669.9</u>
15. Hrs Generator On-Line	<u>57.1</u>	<u>2,411.5</u>	<u>2,810.0</u>
16. Unit Reserve Shtdwn Hrs	<u>686.9</u>	<u>686.9</u>	<u>686.9</u>
17. Gross Therm Ener (MWH)	<u>104,106</u>	<u>6,815,686</u>	<u>8,029,314</u>
18. Gross Elec Ener (MWH)	<u>30,610</u>	<u>2,231,760</u>	<u>2,658,690</u>
19. Net Elec Ener (MWH)	<u>29,277</u>	<u>2,143,171</u>	<u>2,553,557</u>
20. Unit Service Factor	<u>7.7</u>	<u>66.6</u>	<u>69.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.5</u>	<u>86.1</u>
22. Unit Cap Factor (MDC Net)	<u>3.6</u>	<u>53.4</u>	<u>57.1</u>
23. Unit Cap Factor (DER Net)	<u>3.6</u>	<u>53.8</u>	<u>57.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.9</u>	<u>16.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>524.2</u>	<u>565.9</u>

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

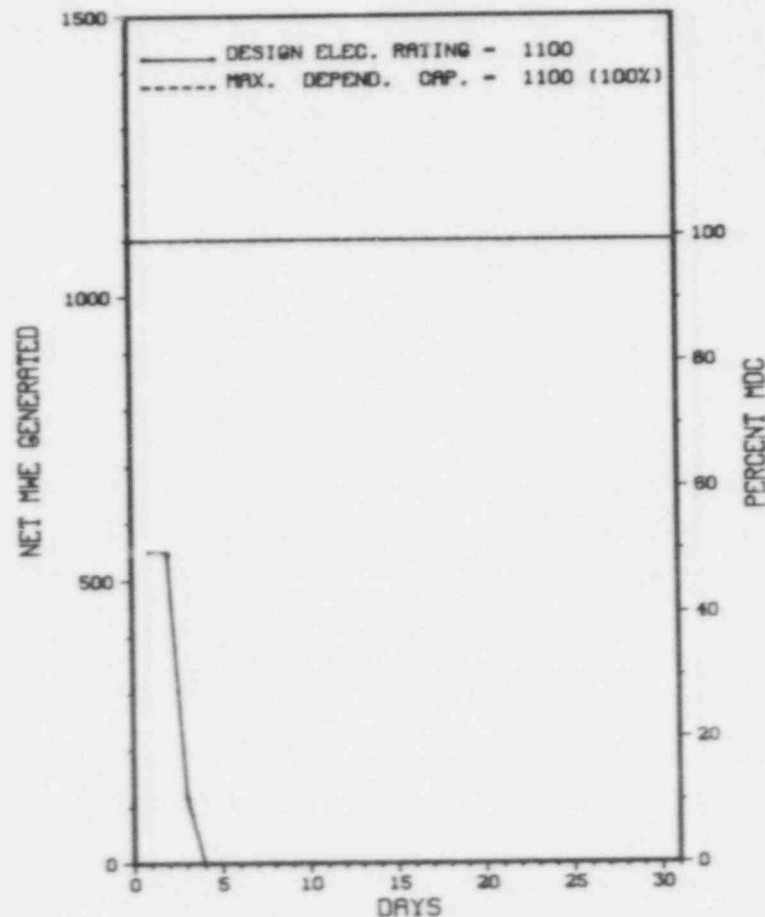
NONE

27. If Currently Shutdown Estimated Startup Date: 06/29/85

* WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-09	05/03/85	S	686.9	H	1				PLANT SHUT DOWN AS SCHEDULED FOR MAINTENANCE OUTAGE (M3).

 * SUMMARY *

 WNP-2 BEGAN AN EXTENDED MAINTENANCE OUTAGE ON MAY 3RD.

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

***** WASHINGTON NUCLEAR 2 *****

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

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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

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UTILITY & CONTRACTOR INFORMATION

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UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
                        RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE
```

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. TOTH
LICENSING PROJ MANAGER.....J. BRADFUTE
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

INSPECTION STATUS

INSPECTION SUMMARY

- + INSPECTION ON MARCH 20 - MAY 20, 1985 (REPORT NO. 50-397/85-07) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE.
- + INSPECTION ON MARCH 25 - APRIL 8, 1985 (REPORT NO. 50-397/85-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON APRIL 15-26, 1985 (REPORT NO. 50-397/85-11) AREAS INSPECTED: A SPECIAL, UNANNOUNCED TEAM INSPECTION OF MAINTENANCE, MEASURING AND TEST EQUIPMENT (M&TE), SURVEILLANCE TESTING, QUALITY ASSURANCE ACTIVITIES, ONSITE/OFFSITE COMMITTEE ACTIVITIES, EMPLOYEE TRAINING, HEALTH PHYSICS WASTE PROGRAMS, PLANT PROCEDURES, DESIGN CHANGES AND MODIFICATIONS, AND VENDOR FIELD AND TECHNICAL CHANGE NOTICES. THE TEAM'S APPROACH WAS TO DIRECT 60 PERCENT OF ITS EFFORT ON ADMINISTRATIVE CONTROLS ASSOCIATED WITH THE EMERGENCY DGS, THE HPSI AND RHR SYSTEMS AND THE IMPLEMENTATION AND ADHERENCE OF THOSE CONTROLS IN THE FOLLOWING AREAS: M&TE CALIBRATION PROGRAM; MAINTENANCE PROGRAM; SURVEILLANCE PROGRAM; VENDOR FIELD CHANGE NOTICES; AND DESIGN CHANGES AND MODIFICATIONS. THE OTHER 40 PERCENT OF THE TEAM'S EFFORT WAS ON ADMINISTRATIVE CONTROLS IN THE FOLLOWING IMPORTANT AREAS: ONSITE/OFFSITE COMMITTEE ACTIVITIES; QUALITY ASSURANCE AUDITS (ONSITE AND OFFSITE); LICENSED/NON-LICENSED OPERATOR TRAINING; PLANT OPERATIONS; HEALTH PHYSICS SOLID WASTE PROGRAM; HEALTH PHYSICS LIQUIDS AND LIQUIDS WASTE PROGRAM; AND HEALTH PHYSICS GASEOUS WASTE SYSTEM. THE TEAM'S STRATEGY USED FOR THIS INSPECTION REQUIRED THE SELECTION OF A SAMPLE OF WNP-2 ADMINISTRATIVE CONTROLS ASSOCIATED WITH FOUR IMPORTANT SAFETY-RELATED SYSTEMS (HPSI, RHR, EMERGENCY DGS, AND STATION BATTERIES) OF THE PLANT FOR VIGOROUS EXAMINATION. THE SAMPLE WAS REPRESENTATIVE OF ALL MANAGEMENT CONTROLS, TESTING, METHODOLOGY AND DOCUMENTATION OF ALL SAFETY-RELATED ADMINISTRATIVE CONTROLS AT THE WNP-2 NUCLEAR POWER PLANT. THE INSPECTION INVOLVED 622 INSPECTOR-HOURS ONSITE BY EIGHT NRC INSPECTOR.

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

RESULTS: OF THE AREAS INSPECTED, FOUR VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED. THE MAJOR WEAKNESSES IDENTIFIED WERE: (1) CONTROLS FOR THE M&TE PROGRAM WERE NOT BEING IMPLEMENTED; (2) THERE WAS A LACK OF MANAGEMENT OVERSIGHT OF THE ONSITE QA SURVEILLANCE PROGRAM; (3) DECISIONS WERE MADE TO DEVIATE FROM THE LETTER OF THE TECHNICAL SPECIFICATIONS; (4) STORAGE RETRIEVABILITY AND IDENTIFICATION OF CLASS 1 BATTERY RECORDS WERE INADEQUATE.

+ INSPECTION ON JUNE 24-28, 1985 (REPORT NO. 50-397/85-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 1 - MAY 3, 1985 (REPORT NO. 50-397/85-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE (ESF) STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, LICENSEE EVENT REPORTS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 218 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 6-31, 1985 (REPORT NO. 50-397/85-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 6-10, 1985 (REPORT NO. 50-397/85-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 6-10, 1985 (REPORT NO. 50-397/85-18) AREAS INSPECTED: UNANNOUNCED INSPECTION BY THE RECENTLY ASSIGNED PROJECT INSPECTOR FOR ACCESS BADGING, SITE ORIENTATION, STAFF INTRODUCTION AND TO FOLLOW UP OUTSTANDING ITEMS. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 1-31 1985 (REPORT NO. 50-397/85-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 29 - JUNE 6, 1985 (REPORT NO. 50-397/85-20) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF HEALTH PHYSICS PROGRAM DURING AN EXTENDED OUTAGE.

RESULTS: OF THE SIX AREAS INSPECTED, VIOLATIONS WERE IDENTIFIED IN THREE AREAS: T.S. 6.22, CONTROL OF OVERTIME; T.S. 6.11.1, ADHERENCE TO HEALTH PHYSICS PROCEDURES; AND T.S. 6.8.1, TOOL CONTROL AROUND OPEN PLANT SYSTEMS, FIRE PROTECTION AND HOUSEKEEPING.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DIESEL GENERATOR VOLTAGE REGULATOR SETPOINT DISCOVERED SET TOO LOW TO AUTOMATICALLY LOCK ON TO A DE-ENERGIZED BUS.

FACILITY ITEMS (PLANS AND PROCEDURES):

FIRST MAINTENANCE OUTAGE SCHEDULED FOR MAY 1985.

MANAGERIAL ITEMS:

Report Period MAY 1985

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

* WASHINGTON NUCLEAR 2 *

OTHER ITEMS

ENFORCEMENT CONFERENCE HELD 02/28/85.

PLANT STATUS:

NONE

LAST IE SITE INSPECTION DATE: 06/24-28/85

INSPECTION REPORT NO: 50-397/85-13

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
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NONE

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1. Docket: 50-382 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: GEORGE MILLER (504) 467-8211

4. Licensed Thermal Power (MWt): 3410

5. Nameplate Rating (Gross MWe): 1153

6. Design Electrical Rating (Net MWe): 1104

7. Maximum Dependable Capacity (Gross MWe): 1104

8. Maximum Dependable Capacity (Net MWe): 1104

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>1,777.1</u>	<u>1,777.1</u>
13. Hours Reactor Critical	<u>440.4</u>	<u>1,045.8</u>	<u>1,045.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>384.0</u>	<u>918.1</u>	<u>918.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>809,488</u>	<u>1,465,991</u>	<u>1,465,991</u>
18. Gross Elec Ener (MWH)	<u>248,310</u>	<u>430,790</u>	<u>430,790</u>
19. Net Elec Ener (MWH)	<u>230,369</u>	<u>389,747</u>	<u>389,747</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 287.3 786.3 786.3

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

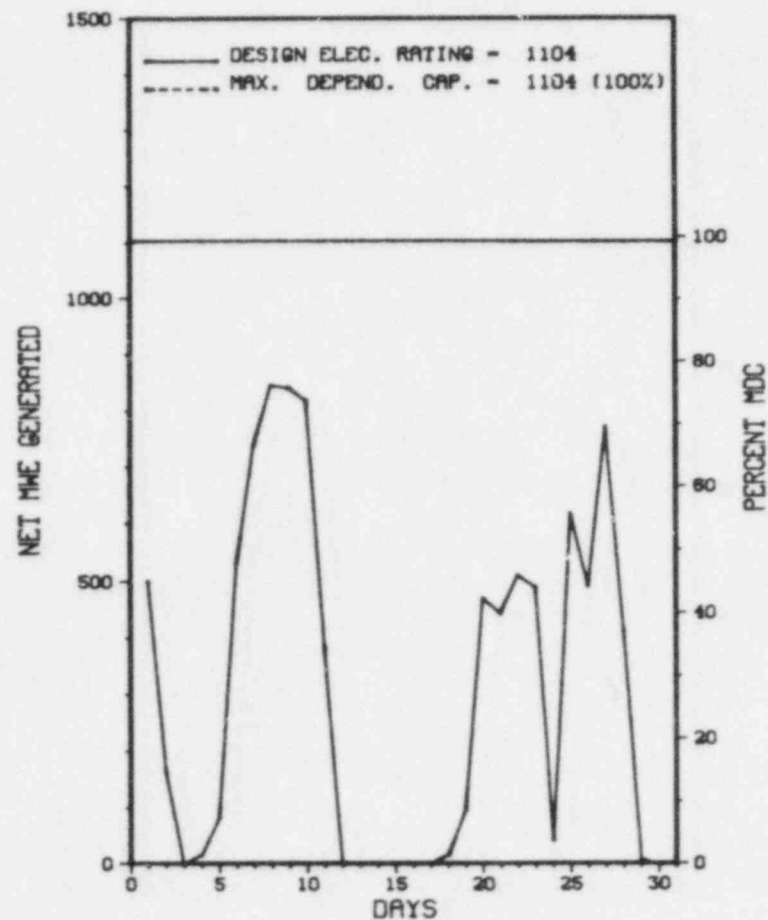
NONE

27. If Currently Shutdown Estimated Startup Date: 06/20/85

* WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-005	05/02/85	S	56.6	B	2		ZZ	ZZZZZZ	AT 20% POWER, THE REACTOR WAS MANUALLY TRIPPED TO TEST REMOTE SHUTDOWN CAPABILITY.
85-006	05/05/85	F	17.0	A	3	85-017	SB	ISV	AT 17% POWER, A REACTOR TRIP OCCURRED ON LOW DEPARTURE FROM NUCLEATE BOILING RATIO DUE TO INADVERTENT CLOSURE OF A MAIN STEAM ISOLATION VALVE.
85-007	05/11/85	F	164.7	A	1	85-018	AB	V	AT 65% POWER, A SHUTDOWN WAS COMMENCED DUE TO REACTOR COOLANT SYSTEM LEAKAGE GREATER THAN ONE GALLON PER MINUTE.
85-008	05/18/85	F	17.5	H	3	85-020	ZZ	ZZZZZZ	AT 25% POWER, A REACTOR TRIP OCCURRED ON LOW STEAM GENERATOR LEVEL DUE TO A FEEDWATER PUMP TRIP.
85-009	05/23/85	F	22.8	H	3	85-021	ZZ	ZZZZZZ	AT 65% POWER, A REACTOR TRIP OCCURRED ON LOW STEAM GENERATOR LEVEL DUE TO A FEEDWATER PUMP TRIP.
85-010	05/28/85	S	16.1	B	3		ZZ	ZZZZZZ	AT 80% POWER, A REACTOR TRIP OCCURRED ON LOW DEPARTURE FROM NUCLEATE BOILING RATIO DUE TO MANUALLY TRIPPING THE REACTOR COOLANT PUMPS AS A PART OF THE LOSS OF REACTOR COOLANT FLOW TEST.
85-011	05/29/85	F	65.5	B	3		ZZ	ZZZZZZ	AT 20% POWER, A REACTOR TRIP ON LOW REACTOR COOLANT FLOW OCCURRED DUE TO MANUALLY TRIPPING THE TURBINE AS A PART OF THE LOSS OF OFFSITE POWER TEST. THE UNIT WAS LATER SHUT DOWN TO REMOVE LEAD CARBONATE DEPOSITS FOUND IN THE ELECTRICAL GENERATOR.

***** WATERFORD 3 CONTINUES IN STARTUP TESTING AND POWER ASCENSION.

* SUMMARY *

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

* WATERFORD 3 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....ST CHARLES
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI W OF
NEW ORLEANS, LA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 4, 1985
DATE ELEC ENER 1ST GENER...MARCH 18, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....LOUISIANA POWER & LIGHT
CORPORATE ADDRESS.....142 DELARONDE STREET
NEW ORLEANS, LOUISIANA 70174
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....T. FLIPPO
LICENSING PROJ MANAGER.....J. WILSON
DOCKET NUMBER.....50-382
LICENSE & DATE ISSUANCE...NPF-38, MARCH 16, 1985
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70148

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

INSPECTION SUMMARY

INSPECTION CONDUCTED FEBRUARY 1 - MARCH 31, 1985 (85-05)

ROUTINE, ANNOUNCED INSPECTION OF STARTUP TEST PROCEDURE REVIEW; REVIEW OF LICENSEE SIGNIFICANT CONSTRUCTION DEFICIENCIES; THREE MILE ISLAND (TMI) OPEN ITEMS; SHIFT TURNOVER REVIEW; FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; TEST RESULTS EVALUATION; PHASE III TEST PROCEDURE WITNESSING; FOLLOWUP ON ALLEGATIONS; AND QUALITY ASSURANCE (QA) PERSONNEL QUALIFICATIONS.

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

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* WATERFORD 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: FEBRUARY 1 - MARCH 31, 1985

INSPECTION REPORT NO: 50-382/85-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-14	4/15/85	5/15/85	AUTOMATIC ACTUATION OF THE REACTOR PROTECTIVE SYSTEM DUE TO LOW LEVELS IN THE STEAM GENERATORS
85-15	4/22/85	5/22/85	INOPERABLE LIQUID EFFLUENT MONITOR
85-16	4/25/85	5/24/85	PRESSURIZER HEATER CAPACITY LESS THAN TECHNICAL SPECIFICATION LIMIT

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

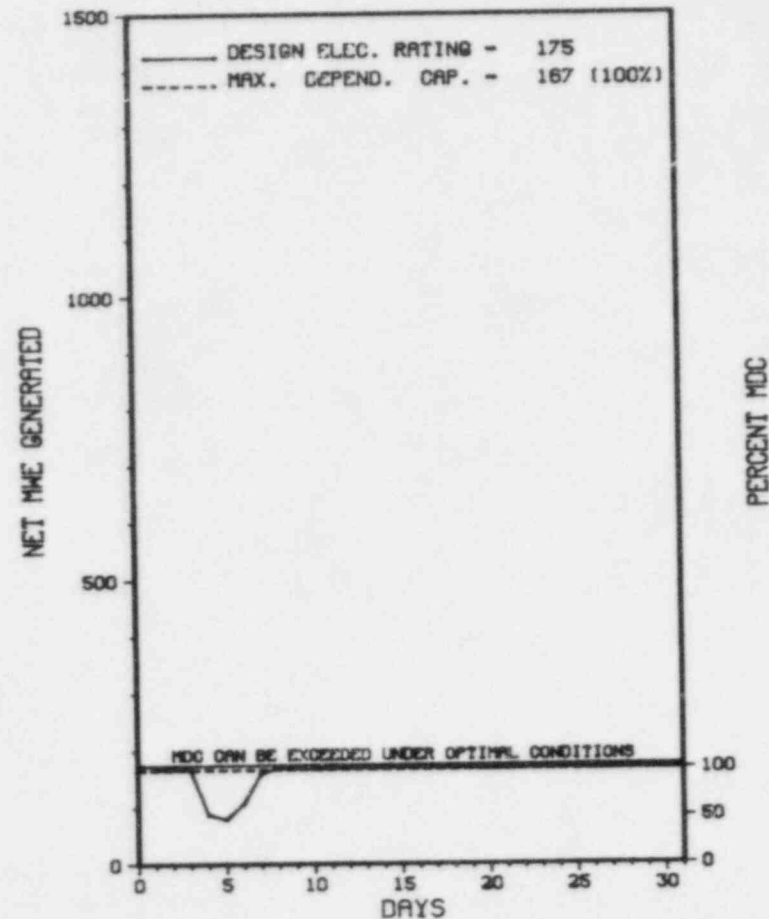
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>215,108.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,623.0</u>	<u>171,545.9</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>3,623.0</u>	<u>166,807.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>427,101</u>	<u>2,124,404</u>	<u>90,615,057</u>
18. Gross Elec Ener (MWH)	<u>128,623</u>	<u>646,346</u>	<u>27,465,135</u>
19. Net Elec Ener (MWH)	<u>120,384</u>	<u>606,034</u>	<u>25,700,585</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>77.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>96.9</u>	<u>100.2</u>	<u>73.5*</u>
23. Unit Cap Factor (DER Net)	<u>92.5</u>	<u>95.6</u>	<u>70.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,326.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>CORE XVIII REFUELING - OCT. 19, 1985 - 6 WEEKS</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
YANKEE-ROWE 1



MAY 1985

* Item calculated with a Weighted Average

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

 * YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-6	05/04/85	S	0.0	B	5				POWER REDUCTION TO CONDUCT THROTTLE VALVE TEST AND CONDENSER TUBE CLEANING.

 * SUMMARY *

 YANKEE ROWE OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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)

* YANKEE-ROWE 1 *

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

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE...JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....J. CLIFFORD
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE...DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

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 1985

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

* YANKEE-ROWE 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: 50-295 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 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

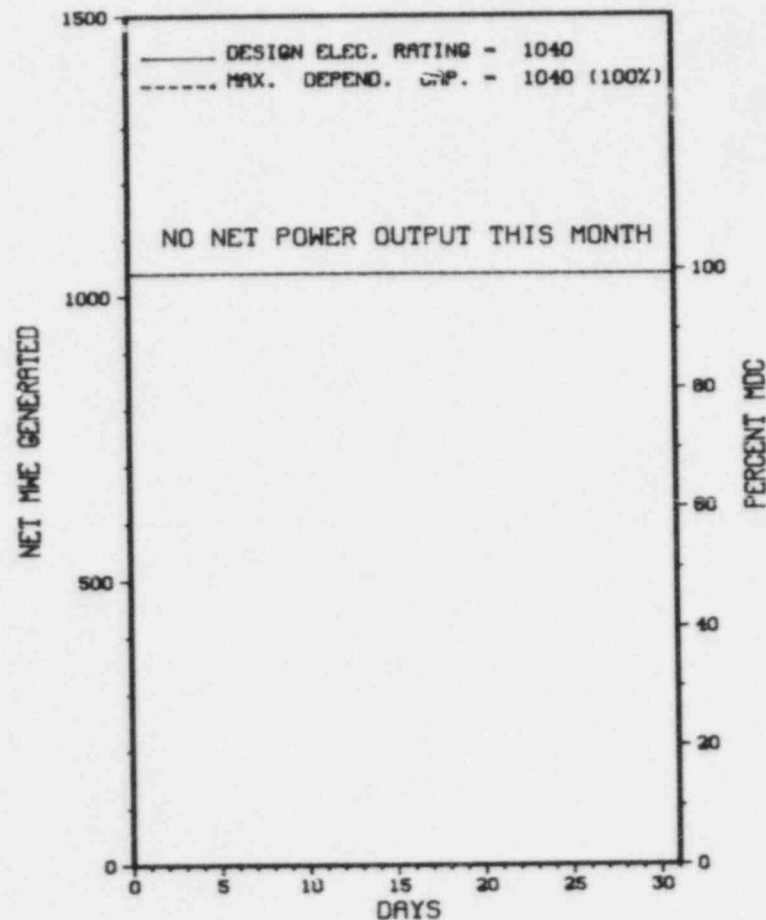
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>3,623.0</u>	<u>100,079.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>558.3</u>	<u>68,954.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>551.2</u>	<u>67,049.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>1,499,206</u>	<u>189,674,424</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>484,352</u>	<u>61,156,146</u>
19. Net Elec Ener (MWH)	<u>-5,628</u>	<u>438,876</u>	<u>58,034,271</u>
20. Unit Service Factor	<u>.0</u>	<u>15.2</u>	<u>67.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>15.2</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>11.6</u>	<u>55.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>11.6</u>	<u>55.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>23.3</u>	<u>14.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>167.2</u>	<u>11,060.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/14/85

* Z I O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
Z I O N 1



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	01/30/85	S	744.0	C	4			CYCLE VIII REFUELING OUTAGE CONTINUES.

***** ZION 1 REMAINS SHUT DOWN FOR REFUELING.
* SUMMARY *

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

* ZION 1 *

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 19, 1973

DATE ELEC ENER 1ST GENER...JUNE 28, 1973

DATE COMMERCIAL OPERATE...DECEMBER 31, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. HOLZMER

LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295

LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973

PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 4-25 (85010): ROUTINE, UNANNOUNCED INSPECTION BY NRC RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 2 UNUSUAL EVENTS DUE TO DIESEL GENERATOR FAILURES, REFUELING CAVITY WATER SEALS, HEAVY LOAD LIFTED OVER THE SPENT FUEL POOL, OPERATIONS, SURVEILLANCE, MAINTENANCE, AND LERS. THE INSPECTION INVOLVED A TOTAL OF 166 INSPECTOR-HOURS ONSITE INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 2 THROUGH APRIL 29 (85016): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REACTOR HEAD MAINTENANCE; UNIT 1 BORON DILUTION EVENT; OPERATIONAL SAFETY AND ESF WALKDOWN; SURVEILLANCE; MAINTENANCE; LERS; AND REGION III REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 230 INSPECTOR-HOURS ONSITE INCLUDING 41 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS, AND TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING TWO AREAS (VIOLATION OF 10 CFR 50.54; AND VIOLATION OF TECHNICAL SPECIFICATION).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES OR DRAWINGS." CONTRARY TO THE ABOVE: (A) ZION GENERATING STATION MAINTENANCE PROCEDURE P/M 003-1N,

Report Period MAY 1985

INSPECTION STATUS - (CONTINUED)

* ZION 1 *

ENFORCEMENT SUMMARY

REVISION 5, "BENCH TESTING SAFETY/RELIEF VALVES," WAS INAPPROPRIATE IN THAT THE PROCEDURE FAILED TO DISTINGUISH BETWEEN NOZZLE RING SETTING REFERENCE POINTS FOR "STANDARD" AND "SPECIAL" DESIGNS WHICH ARE IN USE IN THE PLANT. IN ADDITION WHEN MAKING RELIEF VALVE NOZZLE RING SETTINGS AFTER A BENCH TEST, THE PROCEDURE REQUIRED THAT THE NOZZLE RING BE RETURNED TO THE ORIGINAL SETTING. THIS WOULD ONLY BE CORRECT IF THE NOZZLE RING HAD BEEN CORRECTLY SET PRIOR TO THE BENCH TEST. (B) ZION GENERATING STATION MAINTENANCE PROCEDURE, P/M 003-1N, REVISION 5, "BENCH TESTING SAFETY/RELIEF VALVES", STEP 6, STATES IN PART, "RESTORE NOZZLE RING TO ORIGINAL SETTING...", AND THE "AS RESET" LOCATION OF THE NOZZLE RING VALVE WAS AT 120 NOTCHES WHEREAS THE ORIGINAL SETTING OF THE NOZZLE RING WAS AT 255 NOTCHES. 10 CFR 50, APPENDIX B, CRITERION XVI STATES IN PART "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY...ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION." TOPICAL REPORT CE-1-A IMPLEMENTS THE QUALITY ASSURANCE REQUIREMENTS OF 10 CFR 50, APPENDIX B. (A) QUALITY PROCEDURE, Q.P. 15-52 "NONCONFORMING MATERIALS, PARTS AND COMPONENTS FOR OPERATIONS - DEVIATION AND COMMENTS," REQUIRES THAT FOR DEVIATIONS FOR WHICH A DEVIATION REPORT (DVR) IS INITIATED, AN INVESTIGATIVE REPORT BE PREPARED "WHICH OUTLINES THE DEVIATION, CAUSE OF THE EVENT, RECOMMENDS CORRECTIVE ACTION, AND PROVIDES FOR EQUIPMENT TRENDING." (B) QUALITY PROCEDURE, Q.P. 10-51, "INSPECTION FOR OPERATIONS - MAINTENANCE," STATES IN PART, "PERFORM IN-PROCESS INSPECTIONS AND TESTS AT DESIGNATED POINTS ACCORDING TO THE MAINTENANCE PROCEDURE." CONTRARY TO THE ABOVE: (A) FOLLOWING THE DISCOVERY OF AN INOPERABLE SNUBBER (1CSRS 1015) ON A CONTAINMENT SPRAY SYSTEM HEADER ON OCTOBER 24, 1985, AND COMPLETION OF THEIR CORRECTIVE ACTION INVESTIGATION AND REVIEW ON NOVEMBER 21, 1984, THE LICENSEE FAILED TO DETERMINE THAT THE CAUSE WAS DUE TO THE MOVEMENT OF THE CONTAINMENT EQUIPMENT HATCH ON SEPTEMBER 13, 1984. AT THE REQUEST OF THE RESIDENT INSPECTOR, THE LICENSEE REOPENED THE INVESTIGATION AND TOOK ADDITIONAL CORRECTIVE ACTION. (B) MAINTENANCE PROCEDURE, P/M 003-1N, REQUIRED THAT THE RELIEF VALVE NOZZLE RING BE RESTORED TO THE ORIGINAL SETTING AFTER BENCH TESTING, AND CONTAINED A Q.C. HOLD POINT FOR THE "AS FOUND" AND "AS RESET" NOZZLE RING SETTINGS ON A SECTION OF THE VALVE TESTING RECORD SHEET. THE Q.C. INSPECTOR SIGNED ON THE HOLD POINT DESPITE THE NOZZLE RING NOT BEING RETURNED TO ITS ORIGINAL SETTING AND WITHOUT INITIATING CORRECTIVE ACTION FOR THE DISCREPANCY. FAILURE TO CORRECT THE DISCREPANCY RESULTED IN SPILLING APPROXIMATELY 10,000 GALLONS OF COMPONENT COOLING WATER ON THE CONTAINMENT FLOOR. NRC FACILITY OPERATING LICENSES NO. DPR-39 AND NO. DPR-48, PARAGRAPH 2.C.(7).(B) STATES IN PART, "NO LOADS HEAVIER THAN THE WEIGHT OF A SINGLE SPENT FUEL ASSEMBLY PLUS THE TOOL FOR MOVING THAT ASSEMBLY SHALL BE CARRIED OVER FUEL STORED IN THE SPENT FUEL POOL." CONTRARY TO THE ABOVE, ON FEBRUARY 7, 1985, A SECTION OF THE REACTOR COOLANT PUMP TRANSPORT STRUCTURE WEIGHING APPROXIMATELY 3700 POUNDS WAS CARRIED OVER THE FUEL IN THE SPENT FUEL POOL. NRC FACILITY OPERATING LICENSES NO. DPR-39 AND NO. DPR-48, PARAGRAPH 2.C.(7).(B) STATES IN PART, "NO LOADS HEAVIER THAN THE WEIGHT OF A SINGLE SPENT FUEL ASSEMBLY PLUS THE TOOL FOR MOVING THAT ASSEMBLY SHALL BE CARRIED OVER FUEL STORED IN THE SPENT FUEL POOL." CONTRARY TO THE ABOVE, ON FEBRUARY 7, 1985, A SECTION OF THE REACTOR COOLANT PUMP TRANSPORT STRUCTURE WEIGHING APPROXIMATELY 3700 POUNDS WAS CARRIED OVER THE FUEL IN THE SPENT FUEL POOL.
(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

INSPECTION STATUS - (CONTINUED)

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1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/85 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>3,623.0</u>	<u>93,792.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,604.2</u>	<u>69,114.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,596.3</u>	<u>67,302.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,280,723</u>	<u>11,362,641</u>	<u>195,459,985</u>
18. Gross Elec Ener (MWH)	<u>751,346</u>	<u>3,706,307</u>	<u>62,667,067</u>
19. Net Elec Ener (MWH)	<u>724,201</u>	<u>3,567,098</u>	<u>59,630,354</u>
20. Unit Service Factor	<u>100.0</u>	<u>99.3</u>	<u>71.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>99.3</u>	<u>71.8</u>
22. Unit Cap Factor (MDC Net)	<u>93.6</u>	<u>94.7</u>	<u>61.1</u>
23. Unit Cap Factor (DER Net)	<u>93.6</u>	<u>94.7</u>	<u>61.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>16.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.7</u>	<u>13,138.1</u>

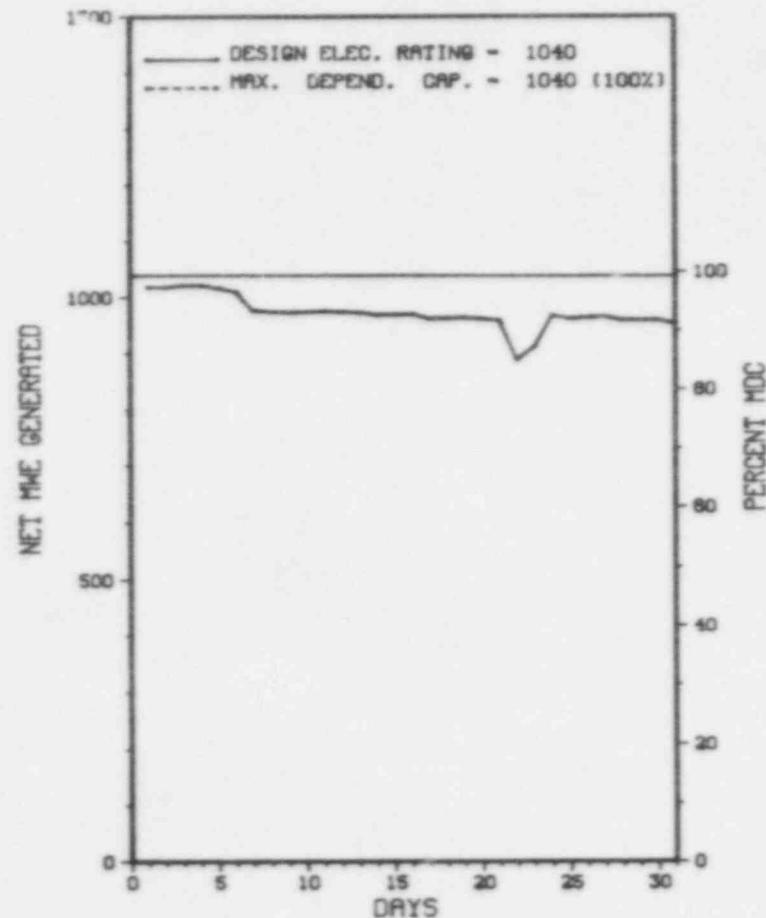
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINTENANCE: SEPT. 6, 1985.

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

* ZION 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



MAY 1985

Report Period MAY 1985

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
3	05/22/85	S	0.0	H	5			REDUCED LOAD FOR REACTOR COOLANT PUMP OIL ADDITION.

* SUMMARY *

ZION 2 OPERATED ROUTINELY IN MAY WITH NO SHUTDOWNS REPORTED.

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

FACILITY DATA

Report Period MAY 1985

FACILITY DESCRIPTION

LOCATION
 STATE.....ILLINOIS
 COUNTY.....LAKE
 DIST AND DIRECTION FROM
 NEAREST POPULATION CTR...40 MI N OF
 CHICAGO, ILL
 TYPE OF REACTOR.....PWR
 DATE INITIAL CRITICALITY...DECEMBER 24, 1973
 DATE ELEC ENER 1ST GEXER...DECEMBER 26, 1973
 DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974
 CONDENSER COOLING METHOD...ONCE THRU
 CONDENSER COOLING WATER....LAKE MICHIGAN
 ELECTRIC RELIABILITY
 COUNCIL.....MID-AMERICA
 INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
 IE RESIDENT INSPECTOR.....M. HOLZMER
 LICENSING PROJ MANAGER.....J. NORRIS
 DOCKET NUMBER.....50-304
 LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973
 PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
 2400 GABRIEL AVENUE
 ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 4-25 (85011): ROUTINE, UNANNOUNCED INSPECTION BY NRC RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 2 UNUSUAL EVENTS DUE TO DIESEL GENERATOR FAILURES, REFUELING CAVITY WATER SEALS, HEAVY LOAD LIFTED OVER THE SPENT FUEL POOL, OPERATIONS, SURVEILLANCE, MAINTENANCE, AND LERS. THE INSPECTION INVOLVED A TOTAL OF 166 INSPECTOR-HOURS ONSITE INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 2 THROUGH APRIL 29 (85016): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REACTOR HEAD MAINTENANCE; UNIT 1 BORON DILUTION EVENT; OPERATIONAL SAFETY AND ESF WALKDOWN; SURVEILLANCE; MAINTENANCE; LERS; AND REGION III REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 230 INSPECTOR-HOURS ONSITE INCLUDING 41 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS, AND TWO VIOLATIONS WERE IDENTIFIED IN THE REMAINING TWO AREAS (VIOLATION OF 10 CFR 50.54; AND VIOLATION OF TECHNICAL SPECIFICATION).

ENFORCEMENT SUMMARY

NONE

Report Period MAY 1985

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

* ZION 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 20 - JULY 1, 1985

INSPECTION REPORT NO: 85021

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

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT       REPORT
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85-09       04/09/85    05/09/85    FAILURE TO WITHDRAW REACTOR VESSEL SURVEILLANCE CAPSULE "X"
85-10       04/22/85    05/22/85    MISSED BORIC ACID TRANSFER PUMP SURVEILLANCE
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SECTION 3

APPENDIX

***** * 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 *****
	ARKANSAS 1	177	988	456	532		08-86
ARKANSAS 2	177	988	168	820		N/S	2003
BEAVER VALLEY 1	157	833	104	729		N/S	1995
BYRON 1							
CALLAWAY 1							
CALVERT CLIFFS 1	217	1830(c)	940(c)	890(c)(m)	1098	N/S	1991
CALVERT CLIFFS 2	217					10-85	1991
CATANBA 1							
COOK 1	193	2050(c)	553(c)	1497(c)		08-85	1994
COOK 2	193					10-85	
CRYSTAL RIVER 3	177	1163	230	933		N/S	1997
DAVIS-BESSE 1	177	735	199	536		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	166	509	1293	N/S	1991
FARLEY 2	157	675	134	541	1273	N/S	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	595	380	215		N/S	1992
HADDAM NECK	157	1168	545	623		01-86	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	332	150	916	N/S	1986
INDIAN POINT 3	193	837	140	697		06-85	1993
KEWAUNEE	121	990	308	682(m)		N/S	1991
MAINE YANKEE	217	953	577	376	1678	08-85	1987
MCGUIRE 1	193	1463	91	1372(n)		N/S	2010
MCGUIRE 2	193	1463	60	1403		N/S	2010
MILLSTONE 2	217	667	376	730		N/S	1987
NORTH ANNA 1	157	966(c)	220(c)	746		N/S	1991
NORTH ANNA 2	157					N/S	1990
OCONEE 1	177	1312(1)	1060	252(1)(n)		03-86	1991
OCONEE 2	177					10-86	
OCONEE 3	177	875	262	613		08-85	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	564(c)	494(c)		N/S	1995
POINT BEACH 2	121						
PRAIRIE ISLAND 1	121	1017(c)	641(c)	376(c)(m)	720	09-85	1988
PRAIRIE ISLAND 2	121					N/S	
RANCHO SECO 1	177	1084	316	709		08-85	2000
ROBINSON 2	157	276	222	54(e)	431	N/S	1985(q)
SALEM 1	193	1170	296	874		N/S	2001
SALEM 2	193	1170	265	905		N/S	2004
SAN ONOFRE 1	157	216	94	122		11-85	1985
SAN ONOFRE 2	217	800	72	728		N/S	1997
SAN ONOFRE 3	217	800	0	800		08-85	
SEQUOYAH 1	193	800	65	735		09-85	1993
SEQUOYAH 2(d)	193	800	130	670		N/S	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2							

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***** * PRESSURIZED* * WATER * * REACTORS * *****								STATUS OF SPENT FUEL STORAGE CAPABILITY			
FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****				
	SUMMER 1	157	682	52	630	1276	10-85	2008			
SURRY 1	157	1044(c)	608(c)	384(c)		N/S	1987				
SURRY 2	157					N/S					
THREE MILE ISLAND 1	177	752	208	544		N/S					
THREE MILE ISLAND 2	177	442	0	442		N/S					
TROJAN	193	651	312	339		N/S					
TURKEY POINT 3	157	621	445	123(m)		05-85	1990				
TURKEY POINT 4	157	621	430	191		N/S	1987				
WATERFORD 3						01-86	1988				
YANKEE-ROWE 1	76	391	250	141	471	10-85	1988				
ZION 1	193	2112(c)	799(c)	1185(c)		09-85	1995				
ZION 2	193					N/S	1995				

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
 (b) Some of these dates have been adjusted by staff assumptions.
 (c) This is the total for both units.
 (d) Plant not in commercial operation.
 (e) Some spent fuel stored at Brunswick.
 (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
 (g) Robinson 2 assemblies being shipped to Brunswick for storage.
 (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
 (i) No longer accepting spent fuel.
 (j) Racked for 700 MTU.
 (k) Reserved.
 (l) This is the station total.
 (m) Installed capacity is less than that authorized.
 (n) McGuire 1 authorized to accept Oconee fuel assemblies.

 N/S = Not Scheduled

***** * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * *****							
FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES REMAINING CAPACITY STORED (NO. OF ASSEMBLIES) *****	REMAINING CAPACIT, IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****	
	BIG ROCK POINT 1	84	441	172	269	08-85	1993
BROWNS FERRY 1	764	3471	1068	2403	06-85	1985	
BROWNS FERRY 2	764	3471	1652	77(m)	N/S	1985	
BROWNS FERRY 3	764	3471	1004	2467(m)	N/S	1985	
BRUNSWICK 1	560	(f)	160PWR+656BWR	2116	N/S	1986	
BRUNSWICK 2	560		144PWR+564BWR	2208	N/S	1986	
COOPER STATION	548	2366	985	1381	09-85	1996	
DRESDEN 1	464	672	221	451	N/S	1990	
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	N/S	1985	
DRESDEN 3	724				N/S		
DUANE ARNOLD	368	2050	961	1089	N/S	1998	
FITZPATRICK	560	2244	956	1288	N/S	1991	
GRAND GULF 1							
HATCH 1	560	3021	140	2881	10-85	1999	
HATCH 2	560	2750	1424	1325	N/S	1999	
HUMBOLDT BAY	172	487	251	236	N/S		
LA CROSSE	72	440	207	215	N/S	1992	
LASALLE 1					09-85		
LASALLE 2							
LIMERICK 1							
MILLSTONE 1	580	2184	1346	968	10-85	1991	
MONTICELLO	484	2237	916	1321	04-86	1991	
NINE MILE POINT 1	532	2776	1244	1532	03-86	1996	
OYSTER CREEK 1	560	2600	1078	1522	N/S	1990	

***** * BOILING * * WATER * * REACTORS * *****							
STATUS OF SPENT FUEL STORAGE CAPABILITY							
FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
PEACH BOTTOM 2	764	2816	1552	1264		N/S	1990
PEACH BOTTOM 3	764	2816	1212	1604		06-85	1991
PILGRIM 1	580	2320	1128	642(m)		N/S	1990
QUAD CITIES 1	724	3657	2340	1317		N/S	2003
QUAD CITIES 2	724	3697	900	2997		N/S	2003
SUSQUEHANNA 1	764	2840	191	3649		N/S	1997
SUSQUEHANNA 2						N/S	
VERMONT YANKEE 1	368	2000	1174	826		09-85	1992
WASHINGTON NUCLEAR							

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.
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 (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)

REACTION YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT

* LICENSED *	10-83	08/01/74	ARKANSAS 1	6-43	12/26/78	ARKANSAS 2	8-96	06/14/76	BEAVER VALLEY 1
* OPERATING *	22-48	12/08/62	BIG ROCK POINT 1	11-63	10/15/73	BROWNS FERRY 1	10-76	08/28/74	BROWNS FERRY 2
* ELECTRICAL *	8-72	04/12/76	BROWNS FERRY 3	8-49	12/04/76	BRUNSWICK 1	10-09	04/29/75	BRUNSWICK 2
* PRODUCING *	25-03/01/85	BYRON 1		6-80	10/24/84	CALLAHAN 1	10-41	01/03/75	CALVERT CLIFFS 1
* UNITS *	8-48	12/07/76	CALVERT CLIFFS 2	10-31	02/10/75	COOK 1	7-20	03/22/78	COOK 2

* LICENSED *	11-06	05/10/74	COOPER STATION	8-33	01/30/77	CRYSTAL RIVER 3	7-76	08/28/77	DAVIS-BESSE 1
* OPERATING *	55-11/11/84	DIABLO CANYON 1		15-13	04/13/70	DRESDEN 2	13-86	07/22/71	DRESDEN 3
* ELECTRICAL *	11-04	05/19/74	DUANE ARNOLD	7-79	08/18/77	FARLEY 1	4-02	05/23/81	FARLEY 2
* PRODUCING *	10-33	02/01/75	FITZPATRICK	11-77	08/25/73	FORT CALHOUN 1	17-82	08/07/67	HADDAM NECK
* UNITS *	15-50	12/02/69	GINNA	6-61	10/20/84	GRAND GULF 1	11-93	06/26/73	INDIAN POINT 2

* LICENSED *	10-53	11/11/74	HATCH 1	6-69	09/22/78	HATCH 2	17-10	04/26/68	LA CROSSE
* OPERATING *	9-10	04/27/76	INDIAN POINT 3	11-15	04/08/74	KENAUWEE	2-03	05/23/83	MCQUIRE 2
* ELECTRICAL *	2-74	09/04/82	LASALLE 1	1-11	04/20/84	LACALLE 2	14-24	03/05/71	MONTICELLO
* PRODUCING *	12-56	11/08/72	MAINE YANKEE	3-92	06/30/81	MCQUINE 1	4-77	08/25/80	NORTH ANNA 2
* UNITS *	14-51	11/29/70	MILLSTONE 1	9-56	11/09/75	MILLSTONE 2	10-75	09/01/74	OCONEE 3

* LICENSED *	15-56	11/09/69	NINE MILE POINT 1	7-12	04/17/78	NORTH ANNA 1	11-28	02/18/74	PEACH BOTTOM 2
* OPERATING *	12-07	05/06/73	OCONEE 1	11-49	12/05/73	OCONEE 2	14-57	11/06/70	POINT BEACH 1
* ELECTRICAL *	15-69	09/23/69	SYSTEM CREEK 1	13-42	12/31/71	PALISADES	10-44	12/21/74	PAIRIE ISLAND 2
* PRODUCING *	10-75	09/01/74	PEACH BOTTOM 3	12-87	07/19/72	PILOTIM 1	10-63	10/13/74	RANCHO SECO 1
* UNITS *	12-83	08/02/72	POINT BEACH 2	11-49	12/04/73	PAIRIE ISLAND 1	3-99	06/03/81	SALEM 2

* LICENSED *	13-14	04/12/72	QUAD CITIES 1	13-02	05/23/72	QUAD CITIES 2	1-68	09/25/83	SAN ONOFRE 3
* OPERATING *	14-68	09/26/70	ROBINSON 2	8-43	12/25/76	SALEM 1	9-07	05/07/76	ST LUCIE 1
* ELECTRICAL *	17-88	07/16/67	SAN ONOFRE 1	2-70	09/20/82	SAN ONOFRE 2	12-91	07/04/72	SURRY 1
* PRODUCING *	4-86	07/22/80	SEQUOYAH 1	3-44	12/23/81	SEQUOYAH 2	9-91	07/03/84	SUSQUEHANNA 2
* UNITS *	1-92	06/13/83	ST LUCIE 2	2-54	11/16/82	SURRY 1	12-58	11/02/72	TURKEY POINT 3

* LICENSED *	12-23	03/10/73	SURRY 2	2-54	11/16/82	SUSQUEHANNA 1	1-01	05/27/84	WASHINGTON NUCLEAR 2
* OPERATING *	10-95	06/19/74	THREE MILE ISLAND 1	9-44	12/23/75	TROJAN	11-93	06/28/73	ZION 1
* ELECTRICAL *	11-95	06/21/73	TURKEY POINT 4	12-70	09/20/72	VERMONT YANKEE 1			
* PRODUCING *	21-03/18/85	WATERFORD 3		21-56	11/10/60	YANKEE-ROME 1			
* UNITS *	11-43	12/26/73	ZION 2						

TOTAL 825.47 YRS

	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT

* PERMANENTLY *	3-80	08/14/64	BONUS	3-04	12/18/63	CVR
* OR *	18-54	04/15/60	10/31/78 DRESDEN 1	4-44	08/24/63	ELK RIVER
* INDEFINITELY *	6-32	08/03/66	11/29/72 FERMI 1	1-26	03/29/63	HALLAM
* SHUTDOWN *	13-21	04/18/63	07/02/76 HUMBOLDT BAY	12-12	09/16/62	INDIAN POINT 1
* UNITS *	1-19	07/25/66	10/01/67 PATHFINDER	7-76	01/27/67	PEACH BOTTOM 1

	2-16	11/04/63	01/01/66 PIQUA	9-93	04/21/78	THREE MILE ISLAND 2

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET NUMBER	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
	CANDOG PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-100	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	50-162	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 LOUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	03-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
	SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAURENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE - DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)	
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	HARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
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