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August 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 07-31-84

UNITED STATES NUCLEAR REGULATORY COMMISSION

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Manuscript Completed: September 1984
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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 GAO 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 April 30, 1985 by OMB Directive 3150-0011.

STATEMENT OF PURPOSE

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

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

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

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

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G L O S S A R Y

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

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 minth, 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.

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 calender 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.)

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.

INDEX TO OPERATING POWER REACTORS

SECTION 1

CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS

LICENSED POWER REACTORS

79	IN COMMERCIAL OPERATION	62,118	CAPACITY MWe (Net) --Based upon maximum dependable capacity; design elec. rating used if MDC not determined
(a) 3	IN POWER ASCENSION	3,201	
(b) 82	LICENSED TO OPERATE	65,319	TOTAL
(c) 3	LICENSED FOR FUEL LOADING AND LOW POWER TESTING		

	MDC NET
(a) LASALLE 2	1036
WASH. NUC. 2	1100
SUSQUEHANNA 2	1065

(b) Excludes these plants licensed for operation which are shut down indefinitely

	DER
1. DRESDEN 1	200
2. HUMBOLDT BAY	65
3. TMI 2	906

(c)	DATE	DER
GRAND GULF 1	06/16/82	1250
DIABLO CANYON 1	04/19/84	1084
CALLAWAY 1	06/11/84	1188

POWER GENERATION

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
1. GROSS ELECTRICAL (MWHE)	28,811,822	26,298,261	194,129,816
2. NET ELECTRICAL (MWHE)	27,430,862	25,004,342	184,518,586
3. AVG. UNIT SERVICE FACTOR (%)	64.2	59.5	62.6
4. AVG. UNIT AVAILABILITY FACTOR (%)	64.2	59.5	62.6
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	58.8	54.7	58.2
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	57.4	53.5	56.8
7. FORCED OUTAGE RATE (%)	13.1	8.9	9.7

ACTUAL VS. POTENTIAL ENERGY PRODUCTION

			% OF POTENTIAL PRODUCTION
1.	ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	27,430,862 NET	59.4
2.	ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	10,906,070 MWHe	23.6
3.	ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,174,022 MWHe	11.2
4.	ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,704,838 MWHe	5.9
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)		46,215,792 MWHe	100.0% TOTAL
5.	ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	582,688 MWHe	
6.	ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS	..... MWHe	0 UNIT(S) WITH NRC RESTRICTION

OUTAGE DATA

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
1. FORCED OUTAGES DURING REPORT PERIOD	48	7,163.1	12.2	5,174,022
2. SCHEDULED OUTAGES DURING REPORT PERIOD	28	13,864.6	23.6	10,906,070
TOTAL	76	21,027.7	35.8	16,080,092

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
	A - Equipment Failure	32	5,252.2
	B - Maintenance or Test	8	2,028.0
	C - Refueling	18	10,921.9
	D - Regulatory Restriction	2	827.5
	E - Operator Training & License Examination	0	0.0
	F - Administrative	0	0.0
	G - Operational Error	6	146.4
	H - Other	9	1,534.9
	TOTAL	75	20,710.9

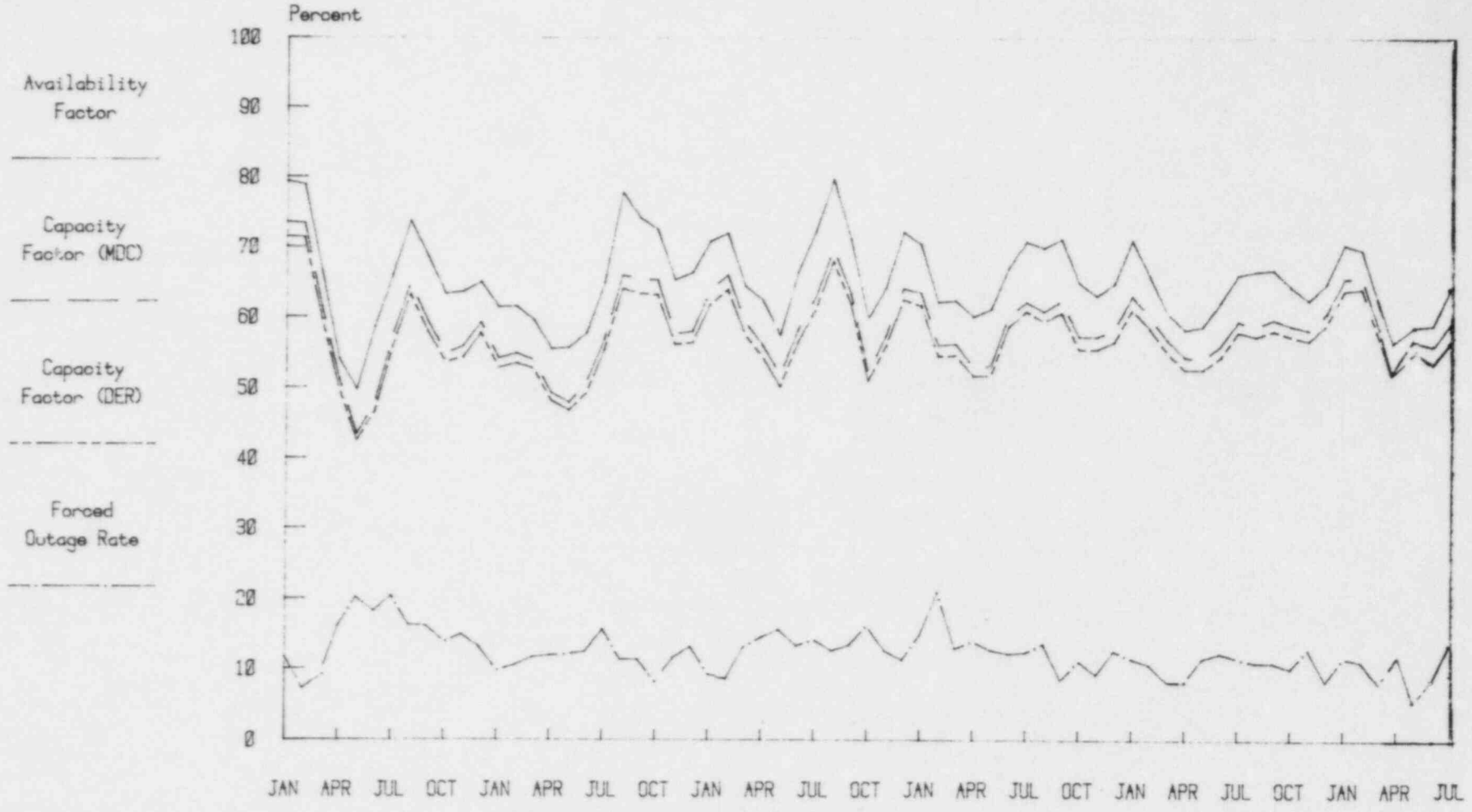
DERATED UNITS		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
	BROWNS FERRY 2	*65	640	Self-imposed
	FORT ST VRAIN	330	280	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
ARKANSAS 2	H	BEAVER VALLEY 1	A	BIG ROCK POINT 1	C,D	BROWNS FERRY 3	C
BRUNSWICK 2	C	CALVERT CLIFFS 2	A	COOK 1	B	COOK 2	C
DRESDEN 3	A	FORT CALHOUN 1	C	FORT ST VRAIN	A	HATCH 2	H
INDIAN POINT 2	C	LA CROSSE	A	MCGUIRE 2	A	MONTICELLO	C
NORTH ANNA 1	C	OYSTER CREEK 1	C	PALISADES	C	PEACH BOTTOM 2	C
PEACH BOTTOM 3	H	PILGRIM 1	C	QUAD CITIES 1	C	RANCHO SECO 1	A
ROBINSON 2	C	SALEM 1	A,C	SALEM 2	A,A	SAN ONOFRE 1	B
SAN ONOFRE 2	B	SAN ONOFRE 3	A,B	ST LUCIE 1	A	SUMMER 1	A
SURRY 1	B	SUSQUEHANNA 1	H	THREE MILE ISLAND 1	D	TROJAN	C
TURKEY POINT 3	A	TURKEY POINT 4	A	VERMONT YANKEE 1	C	YANKEE-ROWE 1	H
ZION 1		ZION 2	H				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 07-31-84



Jan 1979 - July 1984

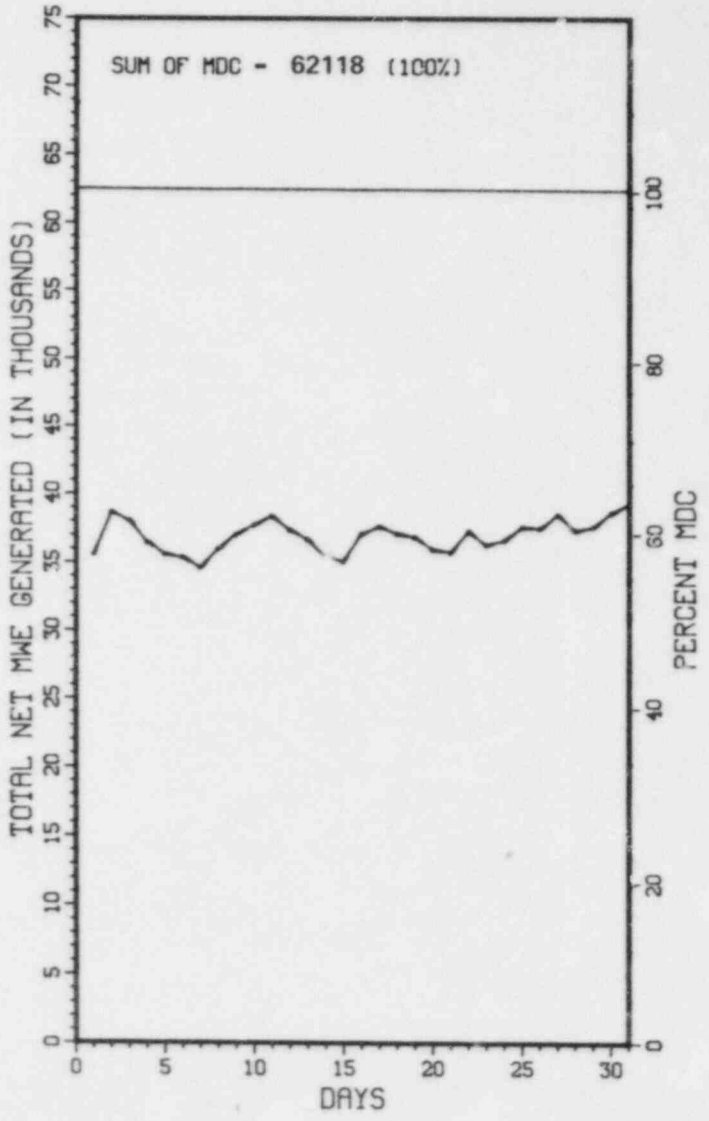
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALLY OPERATING UNITS

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".

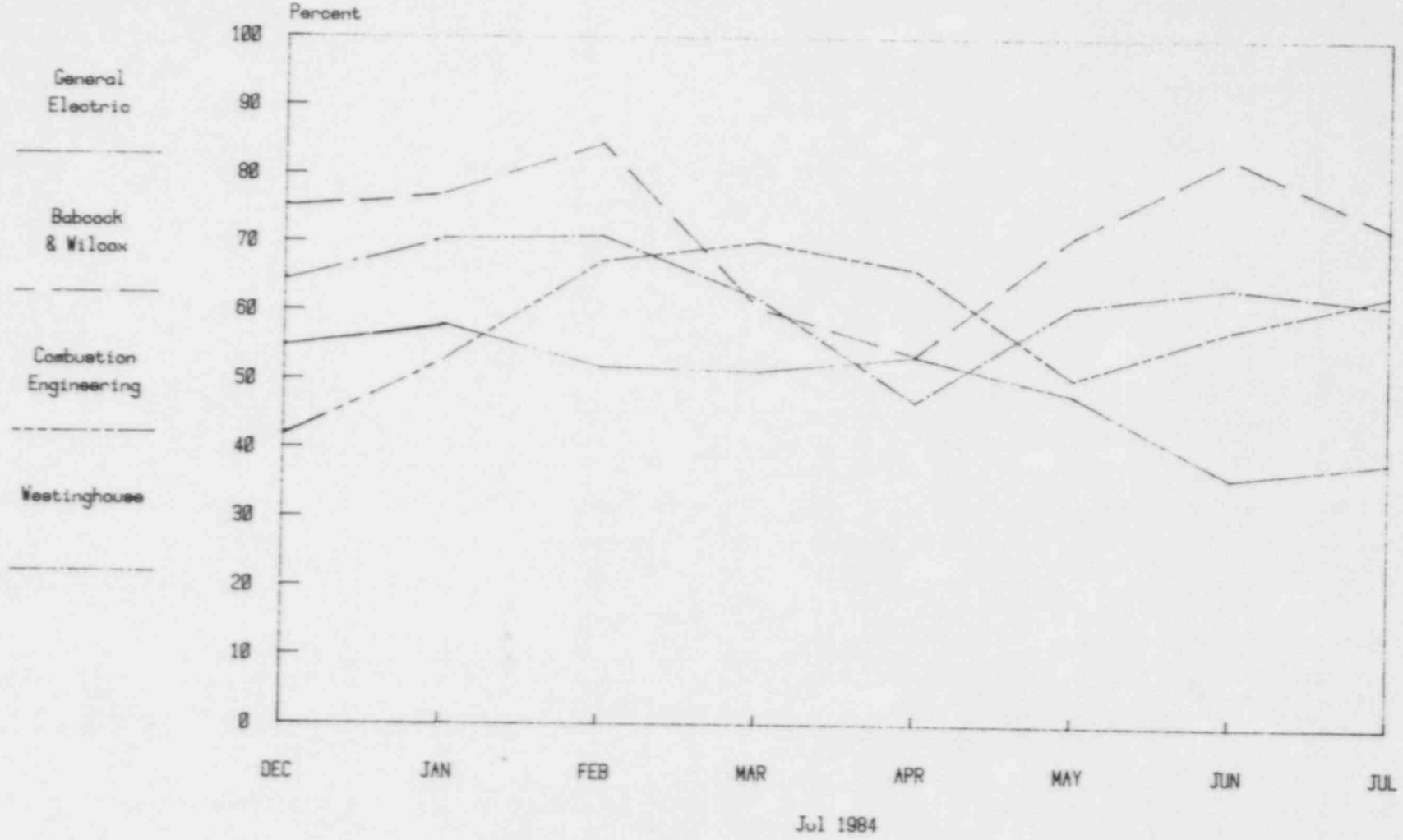
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



JULY 1984

Vendor Average Capacity Factors

As Of 07-31-84



Jul 1984

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

AVERAGE CAPACITY FACTORS BY VENDORS

********** GENERAL ELECTRIC **********	CFMDC		CFMDC		CFMDC		CFMDC	
	94.5	BROWNS FERRY 1	56.5	BROWNS FERRY 2	0.0	BROWNS FERRY 3	96.4	BRUNSWICK 1
	0.0	BRUNSWICK 2	87.4	COOPER STATION	75.2	DRESDEN 2	11.2	DRESDEN 3
	83.4	DUANE ARNOLD	90.7	FITZPATRICK	92.0	HATCH 1	0.0	HATCH 2
	90.5	LASALLE 1	96.0	MILLSTONE 1	0.0	MONTICELLO	97.4	NINE MILE POINT 1
	0.0	OYSTER CREEK 1	0.0	PEACH BOTTOM 2	87.1	PEACH BOTTOM 3	0.0	PILGRIM 1
	0.0	QUAD CITIES 1	96.9	QUAD CITIES 2	60.1	SUSQUEHANNA 1	0.0	VERMONT YANKEE 1

********** BABCOCK & WILCOX **********	CFMDC		CFMDC		CFMDC		CFMDC	
	87.2	ARKANSAS 1	95.4	CRYSTAL RIVER 3	90.2	DAVIS-BESSE 1	99.1	OCONEE 1
	97.3	OCONEE 2	98.8	OCONEE 3	5.7	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

********** COMBUSTION ENGINEERING **********	CFMDC		CFMDC		CFMDC		CFMDC	
	67.6	ARKANSAS 2	102.9	CALVERT CLIFFS 1	57.9	CALVERT CLIFFS 2	36.8	FORT CALHOUN 1
	98.4	MAINE YANKEE	91.0	MILLSTONE 2	0.3	PALISADES	12.9	SAN ONOFRE 2
	30.2	SAN ONOFRE 3	89.5	ST LUCIE 1	102.5	ST LUCIE 2		

********** WESTINGHOUSE **********	CFMDC		CFMDC		CFMDC		CFMDC	
	84.6	BEAVER VALLEY 1	85.8	COOK 1	54.6	COOK 2	102.2	FARLEY 1
	98.9	FARLEY 2	101.0	GINNA	74.9	HADDAM NECK	0.0	INDIAN POINT 2
	93.8	INDIAN POINT 3	101.4	KEWAUNEE	87.9	MCGUIRE 1	59.0	MCGUIRE 2
	0.0	NORTH ANNA 1	84.0	NORTH ANNA 2	96.3	POINT BEACH 1	100.9	POINT BEACH 2
	99.5	PRAIRIE ISLAND 1	101.6	PRAIRIE ISLAND 2	0.0	ROBINSON 2	0.0	SALEM 1
	14.6	SALEM 2	0.0	SAN ONOFRE 1	94.0	SEQUOYAH 1	78.9	SEQUOYAH 2
	37.6	SUMMER 1	52.1	SURRY 1	90.2	SURRY 2	0.0	TROJAN
	84.5	TURKEY POINT 3	61.9	TURKEY POINT 4	73.5	YANKEE-ROWE 1	55.2	ZION 1
	51.8	ZION 2						

****
* OTHER INFO *
****

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

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	7,437,092	12,123,429	4,218,106	3,638,042	19,979,577
MDC NET.....	19,226	26,641	9,049	6,760	42,450
CFMDC.....	52.0	61.2	62.7	72.3	63.3

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

ERRATA

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

NONE

SECTION 2

OPERATING POWER REACTORS

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 07/01/84 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	744.0	5,111.0	84,306.0
13. Hours Reactor Critical	744.0	4,480.4	56,915.7
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	744.0	4,462.6	55,712.8
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	1,711,985	10,728,142	132,648,439
18. Gross Elec Ener (MWH)	569,565	3,596,565	43,734,930
19. Net Elec Ener (MWH)	542,437	3,438,354	41,696,741
20. Unit Service Factor	100.0	87.3	66.1
21. Unit Avail Factor	100.0	87.3	67.1
22. Unit Cap Factor (MDC Net)	87.2	80.5	59.2
23. Unit Cap Factor (DER Net)	85.8	79.1	58.2
24. Unit Forced Outage Rate	.0	.3	15.5
25. Forced Outage Hours	.0	14.8	10,192.9

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

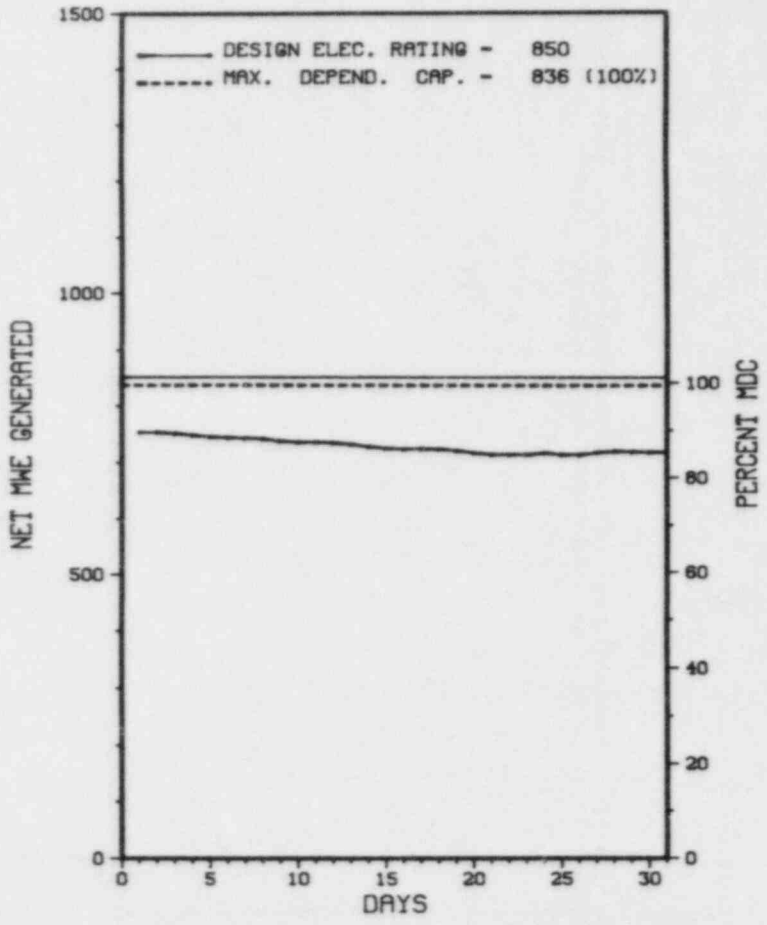
REFUELING & MAINTENANCE: 10/16/84 THROUGH 01/01/85

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

****
* ARKANSAS 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* ARKANSAS 1 *
****

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

****
* SUMMARY *
****

ARKANSAS 1 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1974

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

DATE COMMERCIAL OPERATE....DECEMBER 19, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....B. JOHNSON

LICENSING PROJ MANAGER.....G. VISSING

DOCKET NUMBER.....50-313

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 1-30, 1984 (84-18) ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE, SURVEILLANCE, OPERATIONAL SAFETY VERIFICATION, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, IE BULLETINS, AND GENERIC LETTER 83-28.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

POWER LIMITED TO ABOUT 90% DUE TO ELEVATED 'A' STEAM GENERATOR WATER LEVEL.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 1-30, 1984

INSPECTION REPORT NO: 50-313/84-18

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-001	3-21-84	4-20-84	SAFETY RELATED SHOCK SUPPESSOR (SIXUBBER) FAILURE RX TRIP ON ANTICIPATED LOSS OF BOTH MFW PUMPS
84-002	3-16-84	4-13-84	RCS PRESSURE TRANSMITTERS OUT OF TOLERANCE RX TRIP DUE TO TROUBLESHOOTING ACTIVITIES WITH THRUST
84-003	3-28-84	4-20-84	BEARING
84-004	4-21-84	5-17-84	

1. Docket: 50-368 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	38,135.0
13. Hours Reactor Critical	550.8	4,220.0	25,892.7
14. Rx Reserve Shtdwn Hrs	.0	.0	1,430.1
15. Hrs Generator On-Line	548.3	4,058.6	25,008.9
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	1,372,786	10,320,125	62,869,665
18. Gross Elec Ener (MWH)	453,432	3,435,752	20,452,703
19. Net Elec Ener (MWH)	431,843	3,276,171	19,482,511
20. Unit Service Factor	73.7	79.4	65.6
21. Unit Avail Factor	73.7	79.4	65.8
22. Unit Cap Factor (MDC Net)	67.6	74.7	59.5
23. Unit Cap Factor (DER Net)	63.6	70.3	56.0
24. Unit Forced Outage Rate	26.3	6.9	18.5
25. Forced Outage Hours	195.7	301.2	5,679.7

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

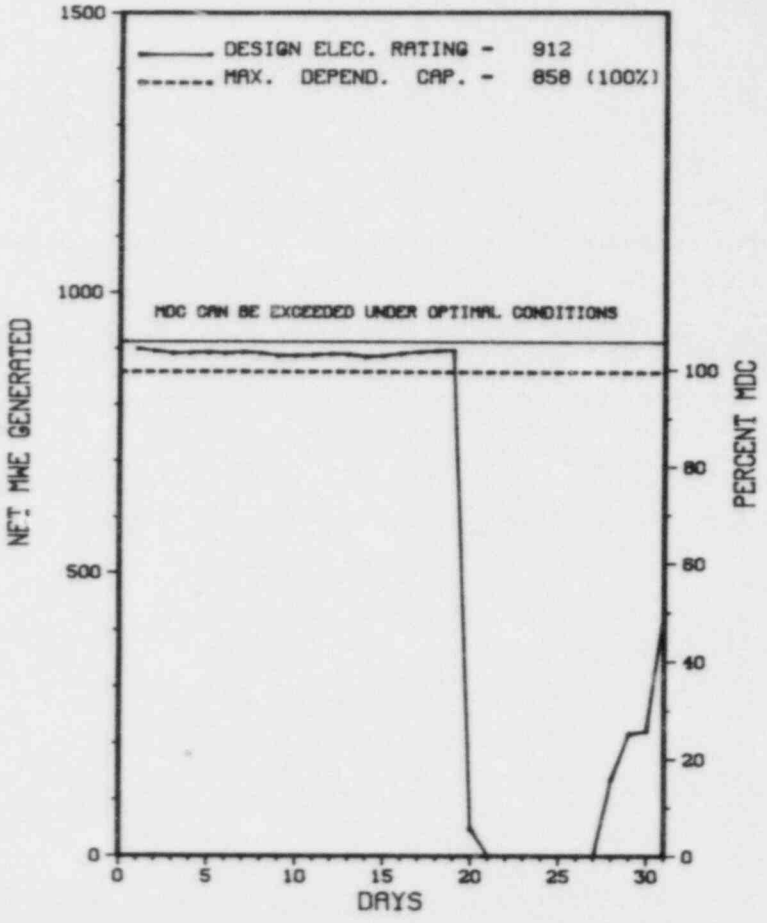
NONE

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

****
* ARKANSAS 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* ARKANSAS 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	07/20/84	F	195.7	H	2	84-19-00	ZZ	ZZZZZZ	THE UNIT WAS MANUALLY TRIPPED DUE TO INDICATIONS RECEIVED WHEN AN INVERTER WAS INADVERTENTLY TRANSFERRED. THE UNIT REMAINED SHUTDOWN FOR EQUIPMENT MAINTENANCE (EXCORE DETECTORS, RCS TEMPERATURE ELEMENTS, AND RCP SEALS).

****
* SUMMARY *
****

ARKANSAS 2 OPERATED WITH 1 OUTAGE DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* ARKANSAS 2 *
****

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

Report Period JUL 1984

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 ON JUNE 1-30, 1984 (84-18) ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, IE BULLETINS, AND GENERIC LETTER 83-28.

WITHIN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 1-30, 1984

INSPECTION REPORT NO: 50-368/84-18

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-011/00	5-7-84	6-7-84	REACTOR ON HIGH STEAM GENERATOR LEVEL.
84-012/00	5-7-84	6-18-84	PRIMARY PROTECTION DEVICE.

1. Docket: 50-334 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. L. HOLTZ (412) 643-1369
4. Licensed Thermal Power (MWt): 2660
5. Nameplate Rating (Gross MWe): 1026 X 0.9 = 923
6. Design Electrical Rating (Net MWe): 835
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 810
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	72,335.0
13. Hours Reactor Critical	71.6	4,757.3	35,640.6
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	667.8	4,585.1	34,364.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,737,076	11,525,795	79,115,327
18. Gross Elec Ener (MWH)	545,000	3,719,500	25,148,440
19. Net Elec Ener (MWH)	510,080	3,499,545	23,388,343
20. Unit Service Factor	89.8	89.7	49.8
21. Unit Avail Factor	89.8	89.7	49.8
22. Unit Cap Factor (MDC Net)	84.6	84.5	43.5
23. Unit Cap Factor (DER Net)	82.1	82.0	42.2
24. Unit Forced Outage Rate	10.2	4.1	28.1
25. Forced Outage Hours	76.2	195.0	17,872.1

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

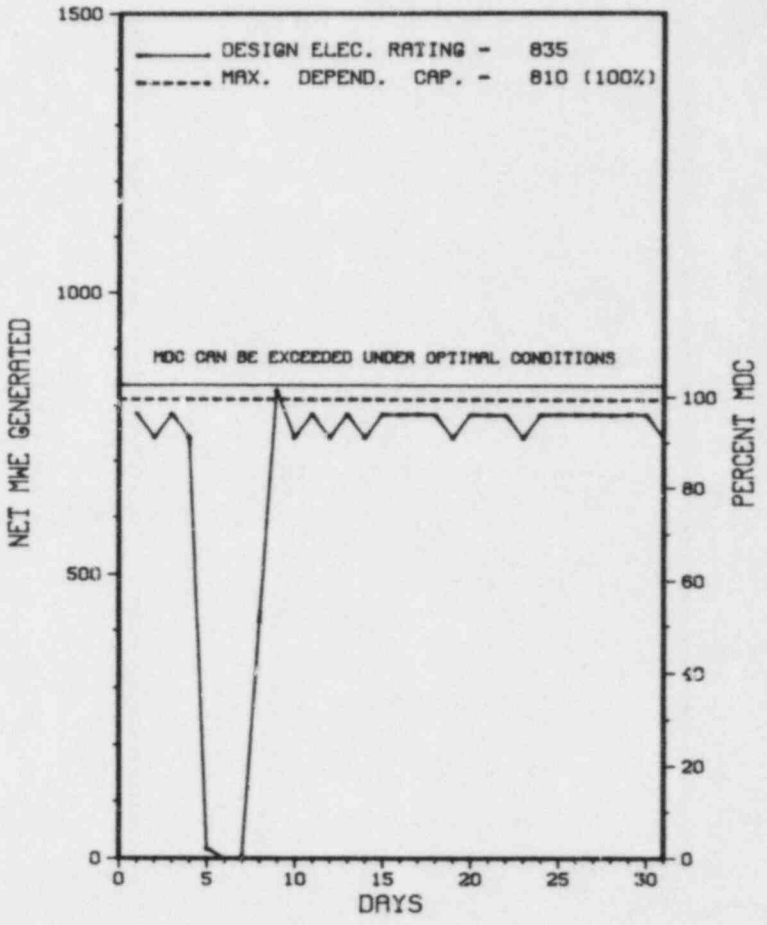
SCHEDULED SHUTDOWN IN OCTOBER FOR 4TH REFUELING.

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

****
* BEAVER VALLEY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	07/05/84	F	76.2	A	1		AA	VALVOP	AT 2130 HOURS ON THE 5TH, VALVE TV-CC-110D, CONTAINMENT RECIRC. COOLING COILS OUTLET CONTAINMENT ISOLATION VALVE, FAILED SHUT DUE TO A TORN DIAPHRAGM IN THE VALVE OPERATOR. THE PLANT WAS BROUGHT DOWN INTO COLD SHUTDOWN WHILE REPAIRS WERE MADE. THE VALVE WAS DECLARED OPERABLE AT 2052 HOURS ON THE 6TH AND STATION HEATUP WAS BEGUN SOON AFTERWARD.

SUMMARY

BEAVER VALLEY 1 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BEAVER VALLEY 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI E OF
E. LIVERPOOL, OH

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976

DATE ELEC ENER 1ST GENER...JUNE 14, 1976

DATE COMMERCIAL OPERATE....OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....ONE OXFORD CENTRE, 301 GRANT STREET
PITTSBURGH, PENNSYLVANIA 15279

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. TROSKOSKI

LICENSING PROJ MANAGER.....P. TAM
DOCKET NUMBER.....50-334

LICENSE & DATE ISSUANCE....DPR-66, JULY 2, 1976

PUBLIC DOCUMENT ROOM.....B.F. JONES MEMORIAL LIBRARY
633 FRANKLIN AVENUE
ALIQUIPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

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: 50-155 OPERATING STATUS
2. Reporting Period: 07/01/84 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): 69
8. Maximum Dependable Capacity (Net MWe): 64
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	187,098.0
13. Hours Reactor Critical	124.3	3,395.1	131,105.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	107.1	3,336.6	128,629.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	7,460	620,698	24,106,589
18. Gross Elec Ener (MWH)	2,210	201,578	7,617,187
19. Net Elec Ener (MWH)	1,948	190,039	7,202,251
20. Unit Service Factor	14.4	65.3	68.7
21. Unit Avail Factor	14.4	65.3	68.7
22. Unit Cap Factor (MDC Net)	4.1	58.1	57.4*
23. Unit Cap Factor (DER Net)	3.6	51.6	53.5
24. Unit Forced Outage Rate	85.6	24.0	16.8
25. Forced Outage Hours	636.9	1,054.4	10,954.7

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

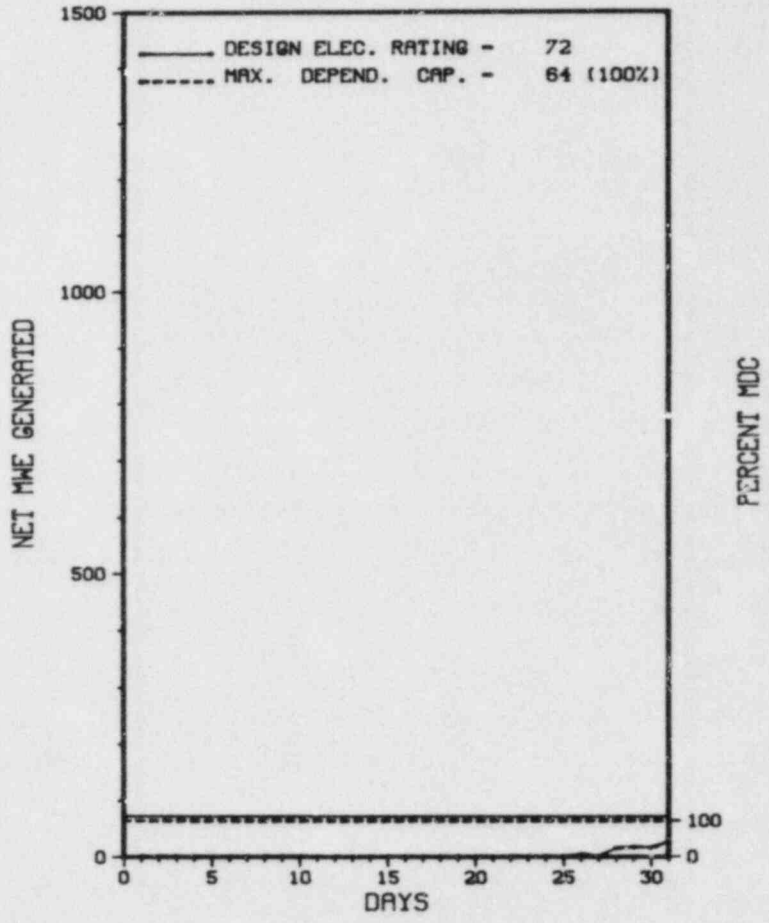
NONE

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

****
* BIG ROCK POINT 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

BIG ROCK POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	05/30/84	F	533.2	C	4	84-003	WF	PIPEXX	SUSPECTED PIPE BREAK IN A SIX-INCH PIPE FROM THE CONDENSATE STORAGE TANK CAUSED THE PLANT TO SHUT DOWN. DECIDED TO COMMENCE 19TH REFUELING DUE TO INCREASED OFF GAS (REF: LER 84-002) ACTIVITY. LEAK ISOLATED AND TEMPORARY MAKEUP LINE INSTALLED.
84-04	07/23/84	F	83.5	D	9				10 CFR 50 APPENDIX "R" EXEMPTION REQUEST NOT APPROVED AT END OF 19TH REFUELING OUTAGE.
84-05	07/26/84	F	20.2	A	3		HE	VALVEX	DURING TURBINE OVERSPEED TRIP TEST, TURBINE BYPASS VALVE CLOSED CAUSING REACTOR TRIP ON HIGH PRESSURE.

*** SUMMARY ***

BIG ROCK POINT 1 RETURNED ONLINE FROM REFUELING AND MAINTENANCE ON JULY 26TH.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BIG ROCK POINT 1 *
****

FACILITY DATA

Report Period JUL 1984

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.....R. EMCH
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 MAY 21-23, (84-03): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS: BIG ROCK POINT NUCLEAR PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE BY EIGHT NRC REPRESENTATIVES; LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED EMERGENCY PREPAREDNESS ITEMS; AND LICENSEE ACTIONS ON PREVIOUS EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 155 INSPECTOR HOURS ONSITE BY FOUR NRC INSPECTORS AND FOUR CONSULTANTS. ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO DEMONSTRATE CAPABILITY TO NOTIFY OFFSITE AGENCIES WITH 15 MINUTES AFTER DECLARATION OF AN EMERGENCY.

INSPECTION FROM APRIL 21 - JUNE 15, (84-05): ROUTINE, UNANNOUNCED INSPECTION BY ACTING RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY AND SURVEILLANCE. THE INSPECTION INVOLVED 81 INSPECTOR HRS ONSITE BY THREE NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JUNE 4-7 AND 11, (84-06): ROUTINE, ANNOUNCED INSPECTION OF (1) THE IMPLEMENTATION OF THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM, (2) THE CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING QUALITY CONTROL OF ANALYTICAL MEASUREMENTS AND THE LICENSEE AND ANALYZED USING THE RIII MOBILE LABORATORY AND (3) FOLLOWUP OF THE LICENSEE'S RESAMPLING PROGRAM RELATED TO THE LEAK OF CONTAMINATED WATER INTO THE RADWASTE BUILDING. THE INSPECTION INVOLVED 56.5 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

****
* BIG ROCK POINT 1 *
****

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX E, SECTION IV.D.3 STATES IN PART THAT "A LICENSEE SHALL HAVE THE CAPABILITY TO NOTIFY RESPONSIBLE STATE AND LOCAL GOVERNMENTAL AGENCIES WITHIN 15 MINUTES AFTER DECLARING AN EMERGENCY." 10 CFR 50, APPENDIX E, SECTION IV.C. STATES IN PART THAT "THE EMERGENCY CLASSES DEFINED SHALL INCLUDE: (1) NOTIFICATION OF UNUSUAL EVENTS, (2) ALERT, (3) SITE AREA EMERGENCY, AND (4) GENERAL EMERGENCY. CONTRARY TO THE ABOVE, ALTHOUGH AN UNUSUAL EVENT WAS DECLARED AT 0345 ON FEBRUARY 22, 1984, NEITHER THE STATE OF MICHIGAN NOR THE CHARLEVOIX COUNTY SHERIFF WERE NOTIFIED WITHIN 15 MINUTES AFTER DECLARATION OF THE EVENT. (8403 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT RESUMED OPERATION ON 7/26/84 AND IS NOW OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: JULY 16-20, 1984

INSPECTION REPORT NO: 84-09

REPORTS FROM LICENSEE

BIG ROCK POINT 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	05/30/84	06/29/84	UNMONITORED LIQUID RELEASE TO SOIL.
84-04	05/30/84	06/29/84	UPSCALE/DOWNSCALE SCRAM.
84-05	05/31/84	06/29/84	UNPLANNED RPS TRIP DUE TO MSIV CLOSURE.
84-06	06/01/84	06/29/84	SPURIOUS RPS TRIP.
84-07	06/11/84	06/29/84	RADIO-INDUCED RPS TRIP.
84-08	06/27/84	07/27/84	UPSCALEE/DOWNSCALE RPS ACTUATION OF 6/27/84.

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1. Docket: 50-259 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	87,673.0
13. Hours Reactor Critical	744.0	4,629.0	54,434.8
14. Rx Reserve Shtdwn Hrs	.0	465.5	6,250.1
15. Hrs Generator On-Line	744.0	4,518.2	53,235.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,383,044	13,696,039	152,253,718
18. Gross Elec Ener (MWH)	768,640	4,556,830	50,202,450
19. Net Elec Ener (MWH)	748,596	4,397,358	48,722,685
20. Unit Service Factor	100.0	88.4	60.7
21. Unit Avail Factor	100.0	88.4	60.7
22. Unit Cap Factor (MDC Net)	94.5	80.8	52.2
23. Unit Cap Factor (DER Net)	94.5	80.8	52.2
24. Unit Forced Outage Rate	.0	11.0	22.9
25. Forced Outage Hours	.0	561.0	15,785.7

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

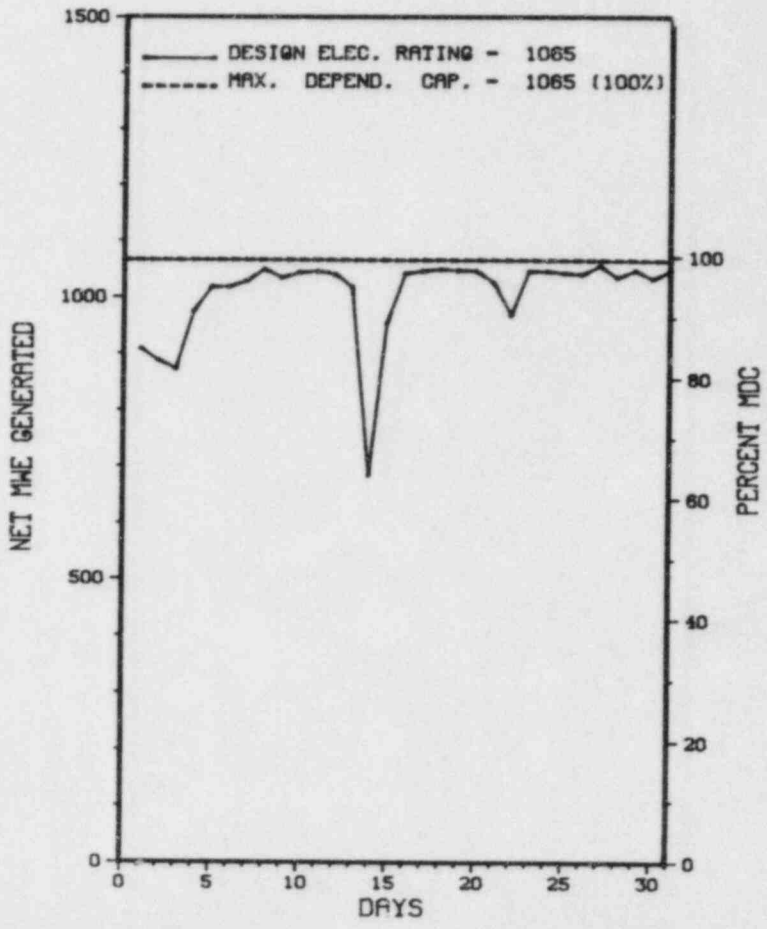
NONE

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

****
* BROWNS FERRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
288	07/13/84	S	0.0	H	5				DERATED FOR CONTROL ROD SEQUENCE EXCHANGE.

SUMMARY

BROWNS FERRY 1 OPERATED WITH 1 REDUCTION DURING THE REPORT PERIOD.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BROWNS FERRY 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 17, 1973

DATE ELEC ENER 1ST GENER...OCTOBER 15, 1973

DATE COMMERCIAL OPERATE....AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 23-27 (84-25): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE LIQUID AND GASEOUS EFFLUENTS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 13 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

10 CFR 71.5(A) REQUIRES THAT EACH LICENSEE WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49 CFR PARTS 170 THROUGH 189. 49 CFR 173.425(B)(B) REQUIRES THAT PACKAGED RADIOACTIVE MATERIAL SHIPMENTS MUST BE BRACED SO AS TO PREVENT SHIFTING OF LADING UNDER CONDITIONS NORMALLY INCIDENT TO TRANSPORTATION. CONTRARY TO THE ABOVE, A BOX OF LOW SPECIFIC ACTIVITY RADIOACTIVE WASTE SHIPMENT UNDER CONTROL NUMBER BSMP 84-20 ON APRIL 4, 1984, WAS DISCOVERED TO HAVE SHIFTED DURING TRANSPORT UPON ARRIVING AT THE DESTINATION ON APRIL 10, 1984.
(8419 4)

TECHNICAL SPECIFICATION 4.9.A.1.D REQUIRES THAT EACH DIESEL GENERATOR BE GIVEN AN ANNUAL INSPECTION IN ACCORDANCE WITH

ENFORCEMENT SUMMARY

INSTRUCTIONS BASED ON THE MANUFACTURER'S RECOMMENDATIONS. SURVEILLANCE INSTRUCTION 4.9.A.1.D, DIESEL GENERATOR ANNUAL INSPECTION, DATED JANUARY 25, 1984, STATES THAT THE MAINTENANCE PERFORMED BY MECHANICAL MAINTENANCE IS OUTLINED IN MECHANICAL MAINTENANCE INSTRUCTION (MMI-6) AND A REFERENCE TO THE MANUFACTURER'S RECOMMENDATION OF SCHEDULED MAINTENANCE IS GIVEN IN ELECTRO-MOTIVE DIVISION MAINTENANCE INSTRUCTION M.I. 1742 FOR 999 SYSTEM GENERATING PLANTS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MMI-6 DOES NOT ADDRESS THE ENGINE MAINTENANCE AS RECOMMENDED BY THE MANUFACTURER'S MAINTENANCE INSTRUCTION M.I. 1742. EXAMPLES OF THIS ARE AS FOLLOWS: (A) ANNUAL CHECK OF LASH ADJUSTER SETTINGS; (B) 500 HOUR CRANKSHAFT CHECK; (C) 500 HOUR CONNECTING ROD CHECK; AND (D) 500 HOUR PISTON TO HEAD CLEARANCE CHECK. UNITS ONE AND TWO DIESELS HAVE RUN TIMES OF GREATER THAN 500 HOURS.
(8423 4)

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED. THE IDENTIFICATION, THE CAUSE, AND THE CORRECTIVE ACTION TAKEN SHALL BE DOCUMENTED AND REPORTED TO APPROPRIATE LEVELS OF MANAGEMENT. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISION ONE TO NONCONFORMANCE REPORT BFNMEB8403 DATED MAY 12, 1984, WAS NOT INCORPORATED INTO EMERGENCY OPERATING INSTRUCTION 36, LOSS OF COOLANT ACCIDENT INSIDE DRYWELL, (EOI-36) UNTIL JUNE 15, 1984. REVISION ONE EXPANDED ON THE ORIGINAL REPORT DATED MAY 11, 1984 (INCORPORATED IN EOI-36 ON MAY 12, 1984), AND IDENTIFIED AN ADDITIONAL DESIGN ERROR FOR UNIT THREE. FURTHER, A RECOMMENDED STEP FOR THE TEMPORARY SOLUTION IN THE EVENT OF THE LOSS OF THE SHUTDOWN BOARD ROOM REDUNDANT COOLING SYSTEM WAS TO OPEN THE OUTSIDE DOOR TO THE FAN TOWER WHEN ESTABLISHING AN EXHAUST PATH FOR AIR FLOW FOR THE APPROPRIATE UNIT. AS STATED IN THE SAFETY EVALUATION, THE ANALYSIS WAS CONTINGENT UPON OPENING AN ACCESS DOOR UPSTREAM OF THE FAN AND THE CONCURRENT OPENING OF THE VENT TOWER DOORS. (UNIT ONE AND UNIT TWO WERE OPERATING DURING THIS PERIOD). THIS OVERSIGHT WAS BROUGHT TO THE ATTENTION OF THE LICENSEE AFTER THE INSPECTOR'S REVIEW ON JUNE 14, 1984, OF LER 84-22 DATED JUNE 8, 1984, WHICH STATED THAT UNITS ONE AND TWO WERE THE ONLY UNITS AFFECTED BY THIS EVENT.
(8423 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INTERGRANULAR STRESS CORROSION CRACKING (IGSCC) PROBLEMS IN RHR, CORE SPRAY AND OTHER PIPING HAS NECESSITATED WELD OVERLAY REPAIRS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

THE OFFICE OF POWER AND OFFICE OF ENGINEERING, DESIGN AND CONSTRUCTION WERE COMBINED TO FORM THE OFFICE OF POWER AND ENGINEERING, H. G. PARRIS, MANAGER. A SEPARATE OFFICE OF NUCLEAR POWER WAS ESTABLISHED WITH J. P. DARLING, MANAGER, J. P. COFFEY WAS ASSIGNED AS SITE DIRECTOR, BROWNS FERRY REPORTING TO J. P. DARLING.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MAY 26 - JUNE 25, 1984 +

INSPECTION REPORT NO: 50-259/84-23 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-025	06/15/84	07/03/84	ISOLATION BETWEEN TURBINE AND REACTOR BLDG HEAT SYS LINES INADEQUATE, FAILURE TO FOLLOW DESIGN CRITERIA MAIN PROBLEM.
84-026	06/20/84	07/17/84	HIGH DRYWELL LEAKAGE AND SUBSEQUENT MANUAL SCRAM, RECIRCULATION PUMP UPPER SEAL FAILED.
84-028	07/10/84	08/08/84	AUTOMATIC DISCHARGE TRANSFER LOGIC FAILED TO WORK, THIS EVENT WAS RANDOM.

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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: 07/01/84 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): 640
11. Reasons for Restrictions, If Any:
CABLE TRAY MODIFICATIONS

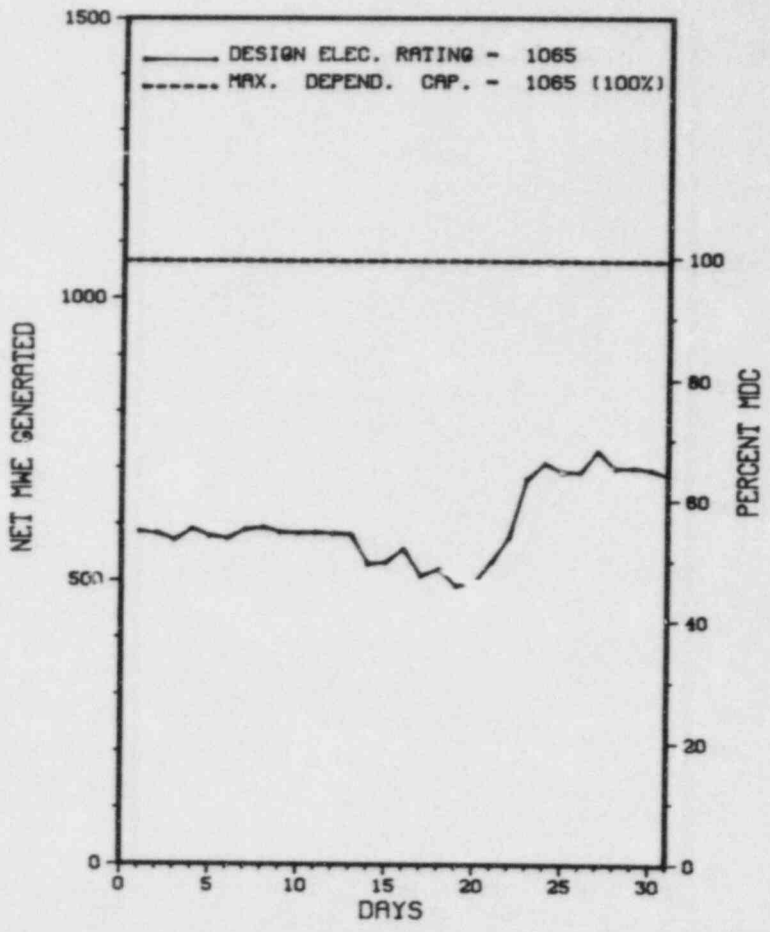
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	82,584.0
13. Hours Reactor Critical	744.0	4,810.8	54,774.7
14. Rx Reserve Shtdwn Hrs	.0	300.1	14,200.4
15. Hrs Generator On-Line	744.0	4,760.6	53,253.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,508,141	10,834,215	150,979,260
18. Gross Elec Ener (MWH)	463,030	3,465,920	50,063,208
19. Net Elec Ener (MWH)	447,449	3,366,978	48,625,581
20. Unit Service Factor	100.0	93.1	64.5
21. Unit Avail Factor	100.0	93.1	64.5
22. Unit Cap Factor (MDC Net)	56.5	61.9	55.3
23. Unit Cap Factor (DER Net)	56.5	61.9	55.3
24. Unit Forced Outage Rate	.0	5.0	23.3
25. Forced Outage Hours	.0	249.4	16,304.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
SEPTEMBER 1984 - REFUELING & MAINTENANCE.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* BROWNS FERRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* BROWNS FERRY 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
296	07/01/84	S	0.0	H	5				DERATED TO EXTEND FUEL CYCLE AND ADMINISTRATIVE HOLD BECAUSE ALL ADS RELIEF VALVE CABLES ARE ROUTED THROUGH THE SAME CABLE TRAY.
297	07/13/84	S	0.0	H	5				DERATED TO EXTEND FUEL CYCLE.
298	07/16/84	S	0.0	H	5				FUEL CYCLE & CABLE TRAY.
299	07/16/84	S	0.0	H	5				FUEL CYCLE EXTENSION.
300	07/17/84	S	0.0	H	5				FUEL CYCLE & CABLE TRAY.
301	07/17/84	S	0.0	H	5				FUEL CYCLE EXTENSION.
302	07/18/84	S	0.0	H	5				FUEL CYCLE & CABLE TRAY.
303	07/18/84	S	0.0	H	5				FUEL CYCLE EXTENSION.
304	07/21/84	S	0.0	H	5				FUEL CYCLE & CABLE TRAY.

****
* SUMMARY *
****

BROWNS FERRY 2 OPERATED WITH NUMEROUS REDUCTIONS DURING THE REPORT PERIOD.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BROWNS FERRY 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

DATE ELEC ENER 1ST GENER...AUGUST 28, 1974

DATE COMMERCIAL OPERATE....MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-260

LICENSE & DATE ISSUANCE....DPR-52, AUGUST 2, 1974

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 23-27 (84-25): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE LIQUID AND GASEOUS EFFLUENTS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 13 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

10 CFR 71.5(A) REQUIRES THAT EACH LICENSEE WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49 CFR PARTS 170 THROUGH 189. 49 CFR 173.425(B)(B) REQUIRES THAT PACKAGED RADIOACTIVE MATERIAL SHIPMENTS MUST BE BRACED SO AS TO PREVENT SHIFTING OF LADING UNDER CONDITIONS NORMALLY INCIDENT TO TRANSPORTATION. CONTRARY TO THE ABOVE, A BOX OF LOW SPECIFIC ACTIVITY RADIOACTIVE WASTE SHIPMENT UNDER CONTROL NUMBER BSMP 84-20 ON APRIL 4, 1984, WAS DISCOVERED TO HAVE SHIFTED DURING TRANSPORT UPON ARRIVING AT THE DESTINATION ON APRIL 10, 1984.
(8419 4)

TECHNICAL SPECIFICATION 4.9.A.1.D REQUIRES THAT EACH DIESEL GENERATOR BE GIVEN AN ANNUAL INSPECTION IN ACCORDANCE WITH

ENFORCEMENT SUMMARY

INSTRUCTIONS BASED ON THE MANUFACTURER'S RECOMMENDATIONS. SURVEILLANCE INSTRUCTION 4.9.A.1.D, DIESEL GENERATOR ANNUAL INSPECTION, DATED JANUARY 25, 1984, STATES THAT THE MAINTENANCE PERFORMED BY MECHANICAL MAINTENANCE IS OUTLINED IN MECHANICAL MAINTENANCE INSTRUCTION (MMI-6) AND A REFERENCE TO THE MANUFACTURER'S RECOMMENDATION OF SCHEDULED MAINTENANCE IS GIVEN IN ELECTRO-MOTIVE DIVISION MAINTENANCE INSTRUCTION M.I. 1742 FOR 999 SYSTEM GENERATING PLANTS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MMI-6 DOES NOT ADDRESS THE ENGINE MAINTENANCE AS RECOMMENDED BY THE MANUFACTURER'S MAINTENANCE INSTRUCTION M.I. 1742. EXAMPLES OF THIS ARE AS FOLLOWS: (A) ANNUAL CHECK OF LASH ADJUSTER SETTINGS; (B) 500 HOUR CRANKSHAFT CHECK; (C) 500 HOUR CONNECTING ROD CHECK; AND (D) 500 HOUR PISTON TO HEAD CLEARANCE CHECK. UNITS ONE AND TWO DIESELS HAVE RUN TIMES OF GREATER THAN 500 HOURS.
(8423 4)

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED. THE IDENTIFICATION, THE CAUSE, AND THE CORRECTIVE ACTION TAKEN SHALL BE DOCUMENTED AND REPORTED TO APPROPRIATE LEVELS OF MANAGEMENT. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISION ONE TO NONCONFORMANCE REPORT BFNMEB8403 DATED MAY 12, 1984, WAS NOT INCORPORATED INTO EMERGENCY OPERATING INSTRUCTION 36, LOSS OF COOLANT ACCIDENT INSIDE DRYWELL, (EOI-36) UNTIL JUNE 15, 1984. REVISION ONE EXPANDED ON THE ORIGINAL REPORT DATED MAY 11, 1984 (INCORPORATED IN EOI-36 ON MAY 12, 1984), AND IDENTIFIED AN ADDITIONAL DESIGN ERROR FOR UNIT THREE. FURTHER, A RECOMMENDED STEP FOR THE TEMPORARY SOLUTION IN THE EVENT OF THE LOSS OF THE SHUTDOWN BOARD ROOM REDUNDANT COOLING SYSTEM WAS TO OPEN THE OUTSIDE DOOR TO THE FAN TOWER WHEN ESTABLISHING AN EXHAUST PATH FOR AIR FLOW FOR THE APPROPRIATE UNIT. AS STATED IN THE SAFETY EVALUATION, THE ANALYSIS WAS CONTINGENT UPON OPENING AN ACCESS DOOR UPSTREAM OF THE FAN AND THE CONCURRENT OPENING OF THE VENT TOWER DOORS. (UNIT ONE AND UNIT TWO WERE OPERATING DURING THIS PERIOD). THIS OVERSIGHT WAS BROUGHT TO THE ATTENTION OF THE LICENSEE AFTER THE INSPECTOR'S REVIEW ON JUNE 14, 1984, OF LER 84-22 DATED JUNE 8, 1984, WHICH STATED THAT UNITS ONE AND TWO WERE THE ONLY UNITS AFFECTED BY THIS EVENT.
(8423 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

THE OFFICE OF POWER AND OFFICE OF ENGINEERING, DESIGN AND CONSTRUCTION WERE COMBINED TO FORM THE OFFICE OF POWER AND ENGINEERING, H. G. PARRIS, MANAGER. A SEPARATE OFFICE OF NUCLEAR POWER WAS ESTABLISHED WITH J. P. DARLING, MANAGER, J. P. COFFEY WAS ASSIGNED AS SITE DIRECTOR, BROWNS FERRY REPORTING TO J. P. DARLING.

PLANT STATUS:

OPERATING AT REDUCED OUTPUT (60%) TO STRETCH CYCLE THRU SEPTEMBER.

LAST IE SITE INSPECTION DATE: MAY 26 - JUNE 25, 1984 +

INSPECTION REPORT NO: 50-260/84-23 +

REPORTS FROM LICENSEE

BROWNS FERRY 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-296 OPERATING STATUS

2. Reporting Period: 07/01/84 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	744.0	5,111.0	65,039.0
13. Hours Reactor Critical	.0	.0	43,088.6
14. Rx Reserve Shtdwn Hrs	.0	.0	3,878.1
15. Hrs Generator On-Line	.0	.0	42,194.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	126,285,520
18. Gross Elec Ener (MWH)	0	0	41,597,620
19. Net Elec Ener (MWH)	0	0	40,376,156
20. Unit Service Factor	.0	.0	64.9
21. Unit Avail Factor	.0	.0	64.9
22. Unit Cap Factor (MDC Net)	.0	.0	58.3
23. Unit Cap Factor (DER Net)	.0	.0	58.3
24. Unit Forced Outage Rate	.0	.0	10.8
25. Forced Outage Hours	.0	.0	5,091.4

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

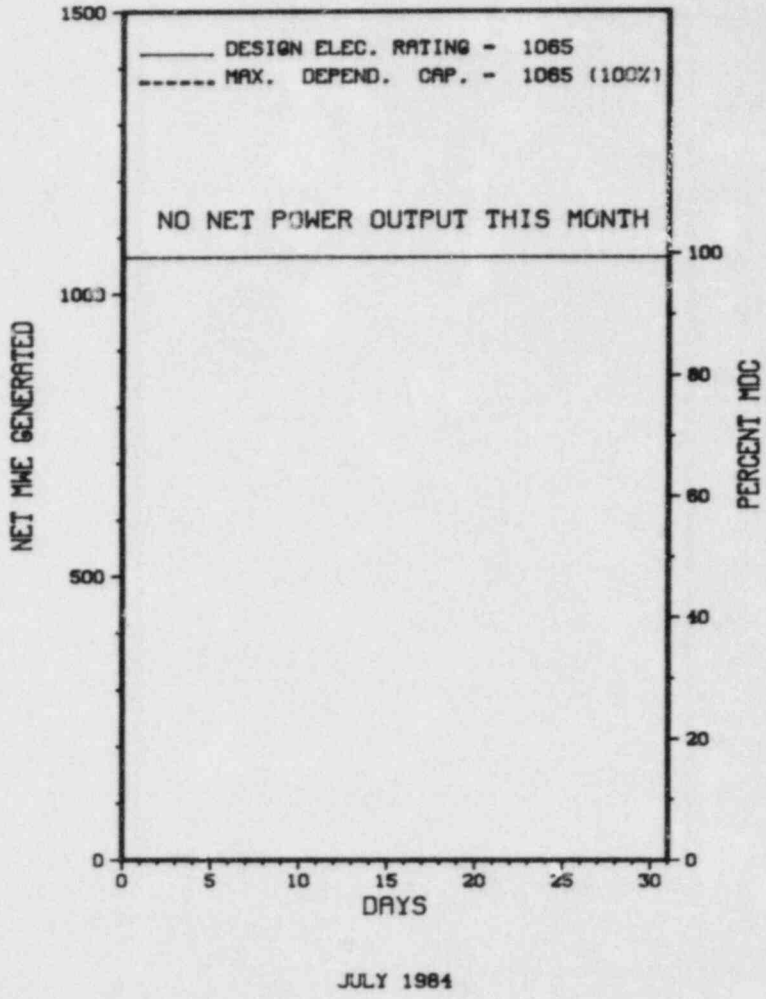
NONE

27. If Currently Shutdown Estimated Startup Date: 08/15/84

****
* BROWNS FERRY 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* BROWNS FERRY 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
140	09/07/83	S	744.0	C	4				END-OF-CYCLE 5 REFUELING/MAINTENANCE OUTAGE CONTINUES (CONTROLLED SHUTDOWN 9/7/83).

****
* SUMMARY *
****

BROWNS FERRY 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BROWNS FERRY 3 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 23-27 (84-25): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE LIQUID AND GASEOUS EFFLUENTS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 13 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

10 CFR 71.5(A) REQUIRES THAT EACH LICENSEE WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49 CFR PARTS 170 THROUGH 189. 49 CFR 173.425(B)(B) REQUIRES THAT PACKAGED RADIOACTIVE MATERIAL SHIPMENTS MUST BE BRACED SO AS TO PREVENT SHIFTING OF LADING UNDER CONDITIONS NORMALLY INCIDENT TO TRANSPORTATION. CONTRARY TO THE ABOVE, A BOX OF LOW SPECIFIC ACTIVITY RADIOACTIVE WASTE SHIPMENT UNDER CONTROL NUMBER BSMP 84-20 ON APRIL 4, 1984, WAS DISCOVERED TO HAVE SHIFTED DURING TRANSPORT UPON ARRIVING AT THE DESTINATION ON APRIL 10, 1984.
(8419 4)

TECHNICAL SPECIFICATION 4.9.A.1.D REQUIRES THAT EACH DIESEL GENERATOR BE GIVEN AN ANNUAL INSPECTION IN ACCORDANCE WITH

ENFORCEMENT SUMMARY

INSTRUCTIONS BASED ON THE MANUFACTURER'S RECOMMENDATIONS. SURVEILLANCE INSTRUCTION 4.9.A.1.D, DIESEL GENERATOR ANNUAL INSPECTION, DATED JANUARY 25, 1984, STATES THAT THE MAINTENANCE PERFORMED BY MECHANICAL MAINTENANCE IS OUTLINED IN MECHANICAL MAINTENANCE INSTRUCTION (MMI-6) AND A REFERENCE TO THE MANUFACTURER'S RECOMMENDATION OF SCHEDULED MAINTENANCE IS GIVEN IN ELECTRO-MOTIVE DIVISION MAINTENANCE INSTRUCTION M.I. 1742 FOR 999 SYSTEM GENERATING PLANTS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT MMI-6 DOES NOT ADDRESS THE ENGINE MAINTENANCE AS RECOMMENDED BY THE MANUFACTURER'S MAINTENANCE INSTRUCTION M.I. 1742. EXAMPLES OF THIS ARE AS FOLLOWS: (A) ANNUAL CHECK OF LASH ADJUSTER SETTINGS; (B) 500 HOUR CRANKSHAFT CHECK; (C) 500 HOUR CONNECTING ROD CHECK; AND (D) 500 HOUR PISTON TO HEAD CLEARANCE CHECK. UNITS ONE AND TWO DIESELS HAVE RUN TIMES OF GREATER THAN 500 HOURS.
(8423 4)

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED. THE IDENTIFICATION, THE CAUSE, AND THE CORRECTIVE ACTION TAKEN SHALL BE DOCUMENTED AND REPORTED TO APPROPRIATE LEVELS OF MANAGEMENT. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISION ONE TO NONCONFORMANCE REPORT BFNMEB8403 DATED MAY 12, 1984, WAS NOT INCORPORATED INTO EMERGENCY OPERATING INSTRUCTION 36, LOSS OF COOLANT ACCIDENT INSIDE DRYWELL, (EOI-36) UNTIL JUNE 15, 1984. REVISION ONE EXPANDED ON THE ORIGINAL REPORT DATED MAY 11, 1984 (INCORPORATED IN EOI-36 ON MAY 12, 1984), AND IDENTIFIED AN ADDITIONAL DESIGN ERROR FOR UNIT THREE. FURTHER, A RECOMMENDED STEP FOR THE TEMPORARY SOLUTION IN THE EVENT OF THE LOSS OF THE SHUTDOWN BOARD ROOM REDUNDANT COOLING SYSTEM WAS TO OPEN THE OUTSIDE DOOR TO THE FAN TOWER WHEN ESTABLISHING AN EXHAUST PATH FOR AIR FLOW FOR THE APPROPRIATE UNIT. AS STATED IN THE SAFETY EVALUATION, THE ANALYSIS WAS CONTINGENT UPON OPENING AN ACCESS DOOR UPSTREAM OF THE FAN AND THE CONCURRENT OPENING OF THE VENT TOWER DOORS. (UNIT ONE AND UNIT TWO WERE OPERATING DURING THIS PERIOD).
(8423 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

THE OFFICE OF POWER AND OFFICE OF ENGINEERING, DESIGN AND CONSTRUCTION WERE COMBINED TO FORM THE OFFICE OF POWER AND ENGINEERING, H. G. PARRIS, MANAGER. A SEPARATE OFFICE OF NUCLEAR POWER WAS ESTABLISHED WITH J. P. DARLING, MANAGER, J. P. COFFEY WAS ASSIGNED AS SITE DIRECTOR, BROWNS FERRY REPORTING TO J. P. DARLING.

PLANT STATUS:

SHUTDOWN 9/6/83 TO PERFORM IGSCC INSPECTION.

LAST IE SITE INSPECTION DATE: MAY 26 - JUNE 25, 1984 +

INSPECTION REPORT NO: 50-296/84-23 +

REPORTS FROM LICENSEE

****
* BROWNS FERRY 3 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-325 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	64,632.0
13. Hours Reactor Critical	744.0	4,529.3	40,927.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	744.0	4,413.7	38,502.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,770,758	10,315,675	78,742,961
18. Gross Elec Ener (MWH)	583,100	3,436,066	25,983,114
19. Net Elec Ener (MWH)	566,740	3,336,827	24,950,658
20. Unit Service Factor	100.0	86.4	59.6
21. Unit Avail Factor	100.0	86.4	59.6
22. Unit Cap Factor (MDC Net)	96.4	82.6	48.9
23. Unit Cap Factor (DER Net)	92.8	79.5	47.0
24. Unit Forced Outage Rate	.0	10.6	19.8
25. Forced Outage Hours	.0	522.1	9,441.3

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

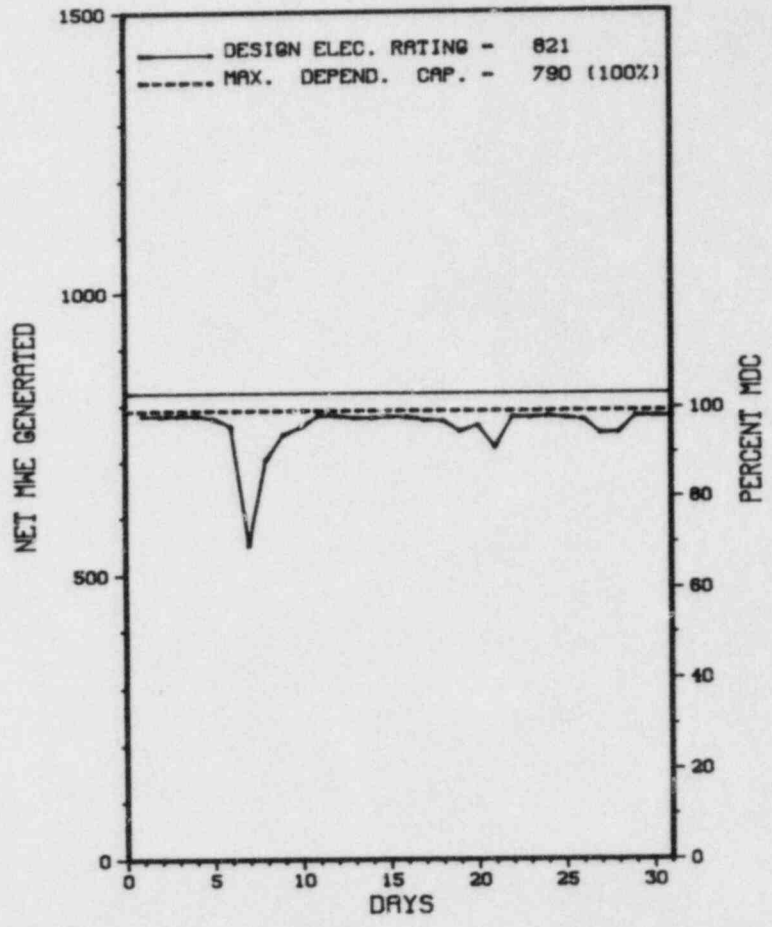
LOCAL LEAK RATE TESTING- 10/31/84, SIX WEEKS

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

****
* BRUNSWICK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* BRUNSWICK 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84055	07/20/84	S	0.0	B	5				REDUCED POWER FOR ROD IMPROVEMENT AND TURBINE VALVE TESTING.

****
* SUMMARY *
****

BRUNSWICK 1 OPERATED ROUTINELY WITH 1 REDUCTION DURING THE REPORT PERIOD.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BRUNSWICK 1 *
****

FACILITY DATA

Report Period JUL 1984

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 JULY 18-20 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF SURVEILLANCE TESTING OF REACTOR INSTRUMENTATION ISOLATION VALVES, REVIEW OF SURVEILLANCE TESTING OF SNUBBERS, AND FOLLOWUP OF A FREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEM. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 30 - AUGUST 3 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE (2 HOURS ON BACK-SHIFT) INSPECTING: IMPLEMENTATION OF APPROVED SECURITY PLAN RELATIVE TO PLAN CHANGES AND IMPLEMENTING PROCEDURES; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER KSUPPLY; ACCESS CONTROLS - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREA; AND DETECTION AIDS - VITAL AREAS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE 11 AREAS INSPECTED.

INSPECTION JULY 18-20 (84-22): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 7.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, OBSERVATION OF WORK ACTIVITIES, INSERVICE INSPECTION, REVIEW OF DATA, AND INDEPENDENT INSPECTION EFFORT. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

****
* BRUNSWICK 1 *
****

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-325/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-010	06/25/84	07/20/84	TRAIN A OF CBEAF SYSTEM AUTO STARTED DUE TO AFIRE ALARM IN THE CONTROL BUILDING.
84-011	07/11/84	07/31/84	(CBEAF) SYSTEM AUTOMATICALLY STARTED DUE TO A SPURIOUS FIRE ALARM, CAUSE COULD NOT BE DETERMINED.

1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 07/01/84 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	744.0	5,111.0	76,656.0
13. Hours Reactor Critical	.0	1,604.3	46,331.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,566.9	43,352.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	3,355,120	81,931,834
18. Gross Elec Ener (MWH)	0	1,110,430	27,220,128
19. Net Elec Ener (MWH)	-4,613	1,054,660	26,082,278
20. Unit Service Factor	.0	30.7	56.6
21. Unit Avail Factor	.0	30.7	56.6
22. Unit Cap Factor (MDC Net)	.0	26.1	43.1
23. Unit Cap Factor (DER Net)	.0	25.1	41.4
24. Unit Forced Outage Rate	.0	2.2	17.5
25. Forced Outage Hours	.0	35.5	9,638.9

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

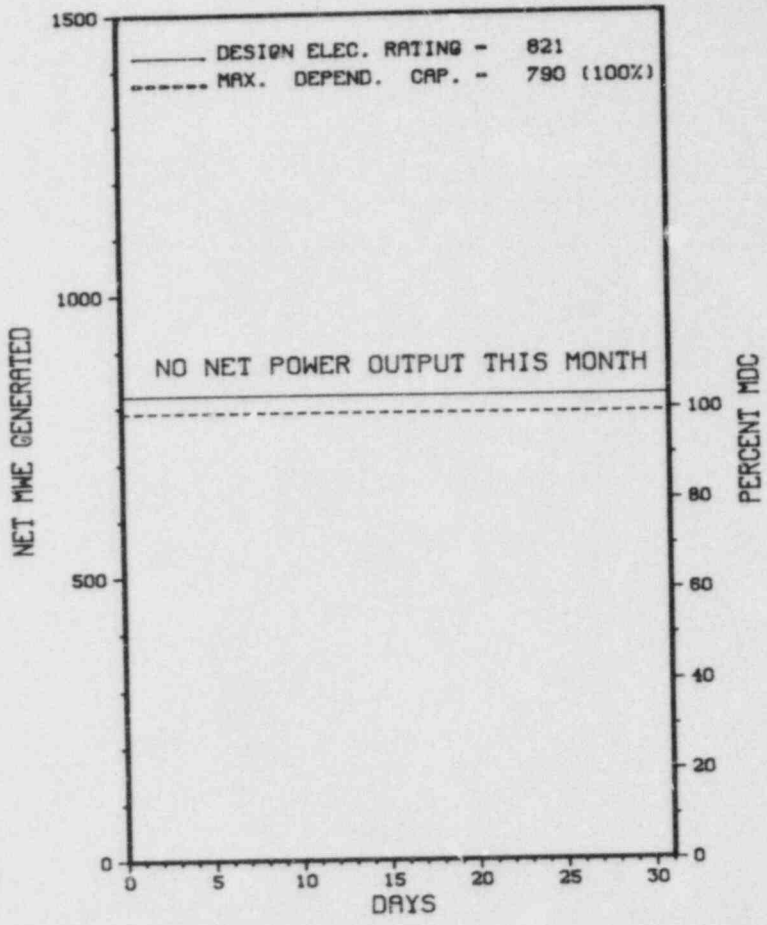
NONE

27. If Currently Shutdown Estimated Startup Date: 10/10/84

****
* BRUNSWICK 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* BRUNSWICK 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-020	03/12/84	S	744.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

****
* SUMMARY *
****

BRUNSWICK 2 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* BRUNSWICK 2 *
****

FACILITY DATA

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. GROTENHUIS
DOCKET NUMBER.....50-324

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 180-20 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF SURVEILLANCE TESTING OF REACTOR INSTRUMENTATION ISOLATION VALVES, REVIEW OF SURVEILLANCE TESTING OF SNUBBERS, AND FOLLOWUP OF A PREVIOUSLY IDENTIFIED INSPECTOR FOLLOWUP ITEM. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 30 - AUGUST 3 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE (2 HOURS ON BACK-SHIFT) INSPECTING: IMPLEMENTATION OF APPROVED SECURITY PLAN RELATIVE TO PLAN CHANGES AND IMPLEMENTING PROCEDURES; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREA; SECURITY SYSTEM POWER KSUPPLY; ACCESS CONTROLS - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREA; AND DETECTION AIDS - VITAL AREAS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE 11 AREAS INSPECTED.

INSPECTION JULY 18-20 (84-22): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 7.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, OBSERVATION OF WORK ACTIVITIES, INSERVICE INSPECTION, REVIEW OF DATA, AND INDEPENDENT INSPECTION EFFORT. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

****
* BRUNSWICK 2 *
****

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUEL AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-324/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 07/01/84 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	744.0	5,111.0	80,940.0
13. Hours Reactor Critical	744.0	4,348.9	64,315.8
14. Rx Reserve Shtdwn Hrs	.0	.0	1,887.9
15. Hrs Generator On-Line	744.0	4,317.1	63,063.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,989,208	11,471,414	155,613,709
18. Gross Elec Ener (MWH)	658,726	3,882,596	51,310,081
19. Net Elec Ener (MWH)	631,430	3,715,079	48,950,045
20. Unit Service Factor	100.0	84.5	77.9
21. Unit Avail Factor	100.0	84.5	77.9
22. Unit Cap Factor (MDC Net)	102.9	88.1	74.2*
23. Unit Cap Factor (DER Net)	100.4	86.0	71.6
24. Unit Forced Outage Rate	.0	15.5	8.1
25. Forced Outage Hours	.0	793.9	5,456.7

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

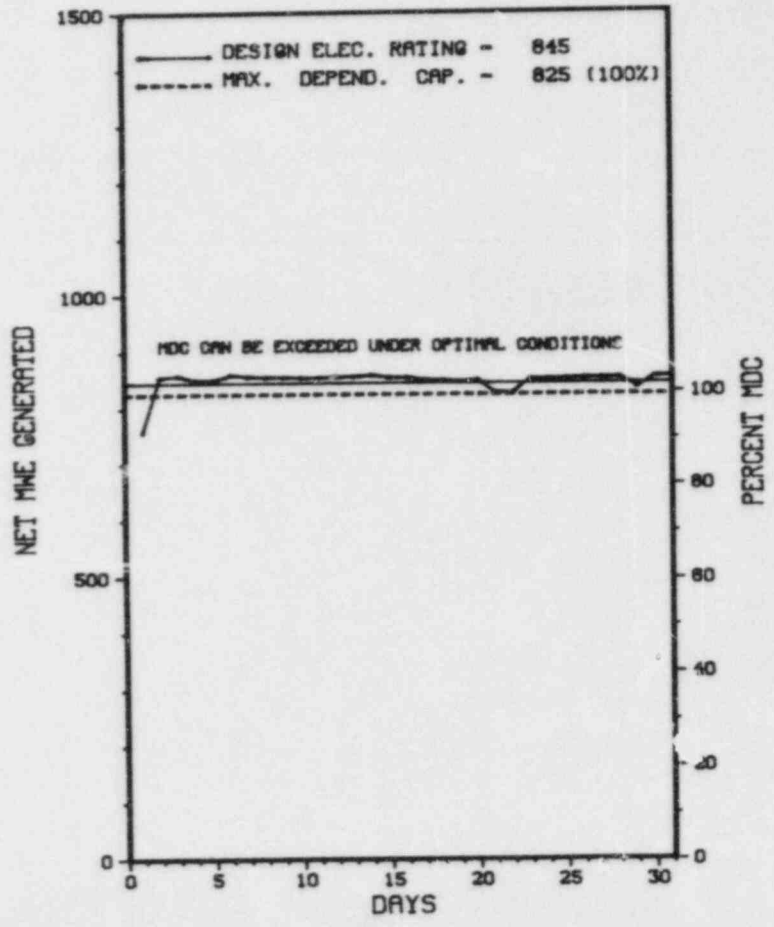
NONE

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

****
* CALVERT CLIFFS 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* CALVERT CLIFFS 1 *
****

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

****
* SUMMARY *
****

CALVERT CLIFFS 1 OPERATED AT FULL POWER DURING THE REPORT PERIOD.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* CALVERT CLIFFS 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 7, 1974

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

DATE COMMERCIAL OPERATE....MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* 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: 07/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	64,295.0
13. Hours Reactor Critical	535.0	3,228.5	53,156.3
14. Rx Reserve Shtdwn Hrs	.0	.0	958.1
15. Hrs Generator On-Line	513.8	3,125.8	52,241.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,168,382	8,049,489	129,891,182
18. Gross Elec Ener (MWH)	377,426	2,641,188	42,710,474
19. Net Elec Ener (MWH)	355,655	2,519,836	40,723,598
20. Unit Service Factor	69.1	61.2	81.3
21. Unit Avail Factor	69.1	61.2	81.3
22. Unit Cap Factor (MDC Net)	57.9	59.8	77.3*
23. Unit Cap Factor (DER Net)	56.6	58.3	75.0
24. Unit Forced Outage Rate	29.4	7.6	5.9
25. Forced Outage Hours	213.8	256.1	3,301.3

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

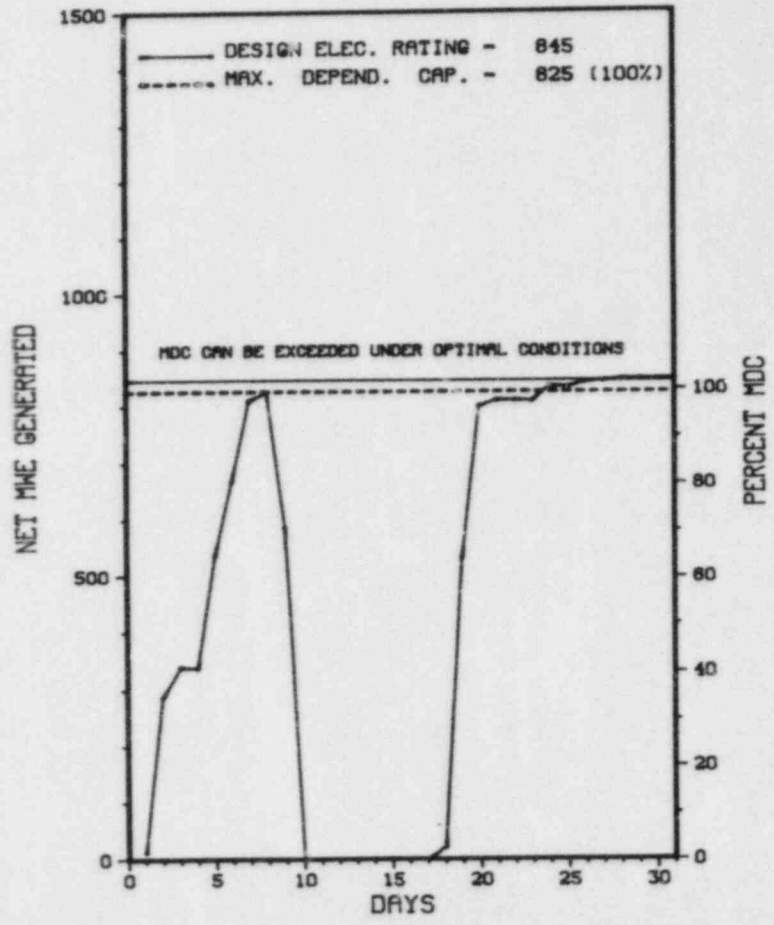
NONE

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

****
* CALVERT CLIFFS 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* CALVERT CLIFFS 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-05	04/21/84	S	16.4	C	4		XX	FUELXX	COMPLETION OF REFUELING AND GENERAL INSPECTION.
84-06	07/09/84	F	213.8	A	1		CB	PUMPXX	REPAIRED CRACK IN 22B REACTOR COOLANT PUMP.

****
* SUMMARY *
****

CALVERT CLIFFS 2 RETURNED ONLINE FROM REFUELING ON JULY 1ST AND OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* CALVERT CLIFFS 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 30, 1976

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

DATE COMMERCIAL OPERATE....APRIL 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* CALVERT CLIFFS 2 *
****

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-315 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: W. T. GILLETT (616) 465-5901
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1030
7. Maximum Dependable Capacity (Gross MWe): 1056
8. Maximum Dependable Capacity (Net MWe): 1020
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	83,999.0
13. Hours Reactor Critical	657.5	4,664.6	62,282.8
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	647.0	4,622.6	60,966.3
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Tharm Ener (MWH)	2,096,975	14,175,247	178,256,861
18. Gross Elec Ener (MWH)	675,190	4,644,380	58,570,670
19. Net Elec Ener (MWH)	651,236	4,473,598	56,353,938
20. Unit Service Factor	87.0	90.4	74.4
21. Unit Avail Factor	87.0	90.4	74.4
22. Unit Cap Factor (MDC Net)	85.8	85.8	67.5
23. Unit Cap Factor (DER Net)	85.0	85.0	64.7
24. Unit Forced Outage Rate	.0	7.8	7.8
25. Forced Outage Hours	.0	391.4	4,472.2

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

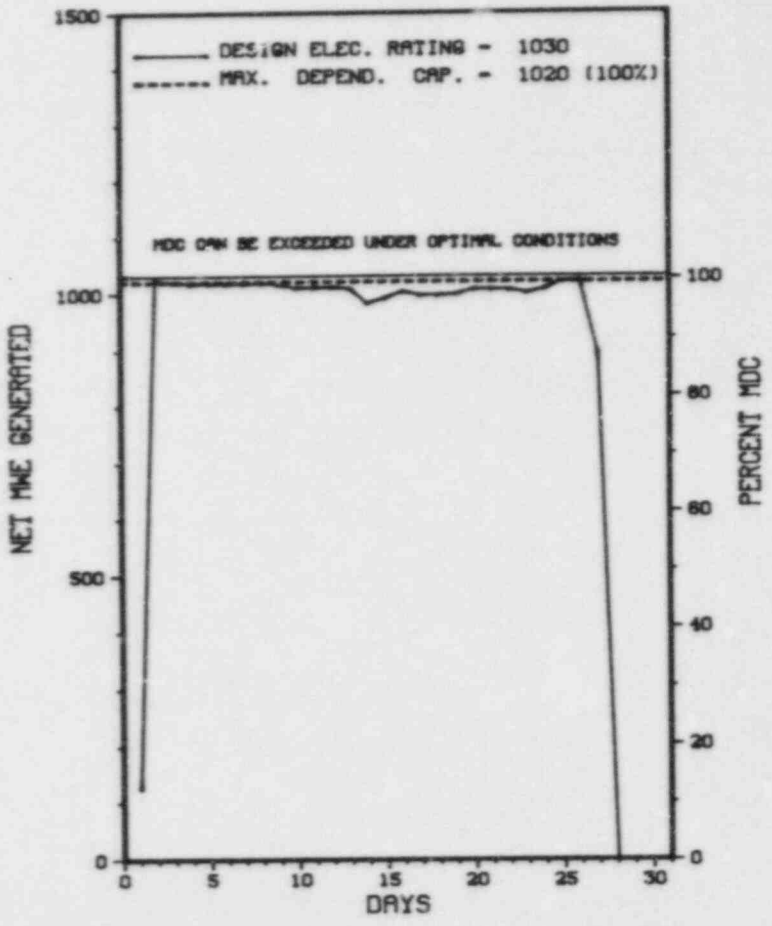
NONE

27. If Currently Shutdown Estimated Startup Date: 08/15/84

****
* COOK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* COOK 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
225	07/27/84	S	97.0	B	1		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE TO PERFORM REQUIRED ICE CONDENSER SURVEILLANCE AND TO REPAIR LEAKING PRESSURIZER SAFETY VALVES. THE UNIT REMAINED OUT OF SERVICE AT THE END OF THE MONTH.

****
* SUMMARY *
****

COOK 1 OPERATED WITH 1 OUTAGE FOR MAINTENANCE IN JULY.

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)

****
* COOK 1 *
****

FACILITY DATA

Report Period JUL 1984

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.....E. SWANSON

LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-315

LICENSE & DATE ISSUANCE....DPR-58, OCTOBER 25, 1974

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 1 - JUNE 10, (84-10): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; I.E. BULLETINS; OPERATOR LICENSING; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED 279 INSPECTOR HOURS BY THREE NRC INSPECTORS INCLUDING 68 INSPECTOR HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS IN SCHEDULED SURVEILLANCE/MAINTENANCE OUTAGE; RESTART SCHEDULED FOR 8/10/84.

LAST IE SITE INSPECTION DATE: AUGUST 14-17, 1984

INSPECTION REPORT NO: 84-17

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-08	06/17/84	07/18/84	REACTOR TRIP AND SAFETY INJECTION.
84-09	03/21/84	07/09/84	INDICATED VIOLATION OF F POWER PEAKING LIMIT.
84-10	06/17/84	07/16/84	REACTOR TRIP AND SAFETY INJECTION.
84-11	06/20/84	07/19/84	BOTH ESF VENTILATION TRAINS INOP.
84-12	06/23/84	07/23/84	ESF ACTUATION - CONTAINMENT VENTILATION ISO.

1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3411

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

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	57,695.0
13. Hours Reactor Critical	546.9	2,183.7	39,968.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	484.5	2,112.5	38,912.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,417,277	6,822,461	125,275,429
18. Gross Elec Ener (MWH)	446,380	2,239,560	40,465,990
19. Net Elec Ener (MWH)	430,209	2,161,815	39,015,168
20. Unit Service Factor	65.1	41.3	70.2
21. Unit Avail Factor	65.1	41.3	70.2
22. Unit Cap Factor (MDC Net)	54.6	39.9	67.0
23. Unit Cap Factor (DER Net)	52.6	38.5	65.8
24. Unit Forced Outage Rate	.0	1.5	13.3
25. Forced Outage Hours	.0	32.1	5,883.0

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

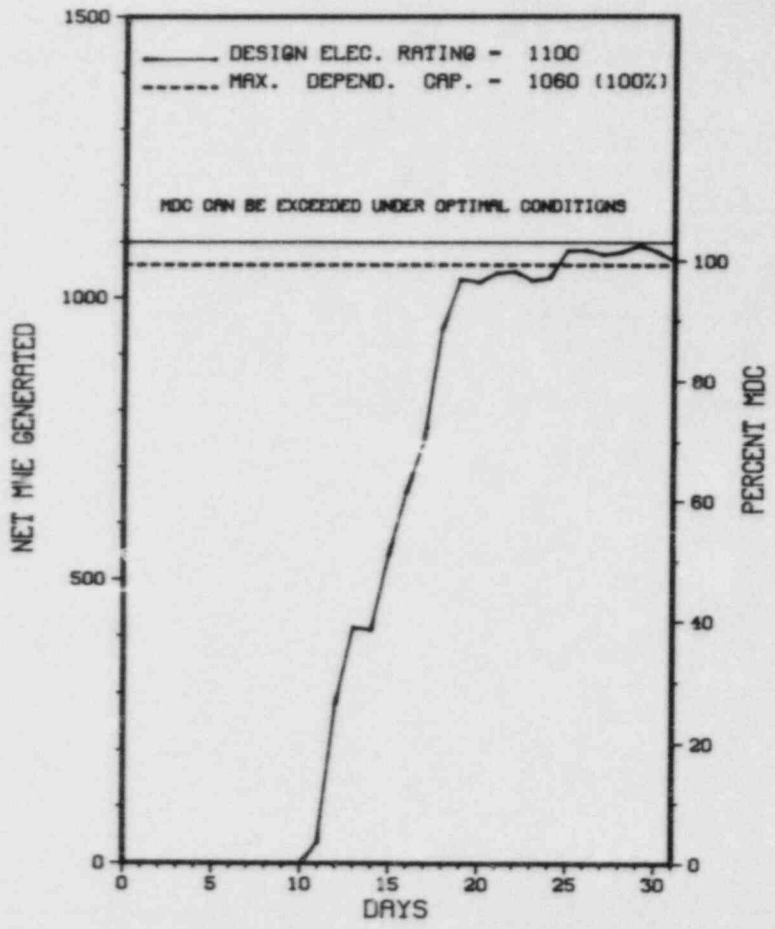
NONE

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

****
* COOK 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* COOK 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
147	03/10/84	S	259.5	C	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 840310 FOR SCHEDULED CYCLE IV - V REFUELING/MAINTENANCE OUTAGE. THE OUTAGE WORK HAS BEEN COMPLETED. LOW POWER PHYSICS TESTING WAS COMPLETED ON 840711 AND THE UNIT WAS PARALLELED TO THE SYSTEM THE SAME DAY.

****
* SUMMARY *
****

COOK 2 RETURNED ONLINE FROM REFUELING ON JULY 11TH AND OPERATED ROUTINELY THE REMAINDER OF JULY.

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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

****
* COOK 2 *
****

FACILITY DATA

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.....E. SWANSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 1 - JUNE 10, (84-11): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; I.E. BULLETINS; OPERATOR LICENSING; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED 279 INSPECTOR HOURS BY THREE NRC INSPECTORS INCLUDING 68 INSPECTOR HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: AUGUST 14-17, 1984

INSPECTION REPORT NO: 84-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-15	06/02/84	07/02/84	MODE 5 SHUTDOWN MARGIN SURV. GRACE PERIOD EXCEEDED.
84-16	06/03/84	07/03/84	INOP. FIRE PENETRATIONS.
84-17	07/04/84	07/26/84	REACTOR TRIP SYSTEM INSTRUMENTATION SURV. MISSED.

1. Docket: 50-298 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	88,416.0
13. Hours Reactor Critical	744.0	4,888.0	71,891.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,846.8	70,765.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,568,976	9,112,503	139,625,661
18. Gross Elec Ener (MWH)	517,790	3,027,668	44,434,023
19. Net Elec Ener (MWH)	497,056	2,902,998	42,819,657
20. Unit Service Factor	100.0	94.8	80.0
21. Unit Avail Factor	100.0	94.8	80.0
22. Unit Cap Factor (MDC Net)	87.4	74.3	63.4
23. Unit Cap Factor (DER Net)	85.9	73.0	62.2
24. Unit Forced Outage Rate	.0	1.7	3.7
25. Forced Outage Hours	.0	84.9	2,042.2

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

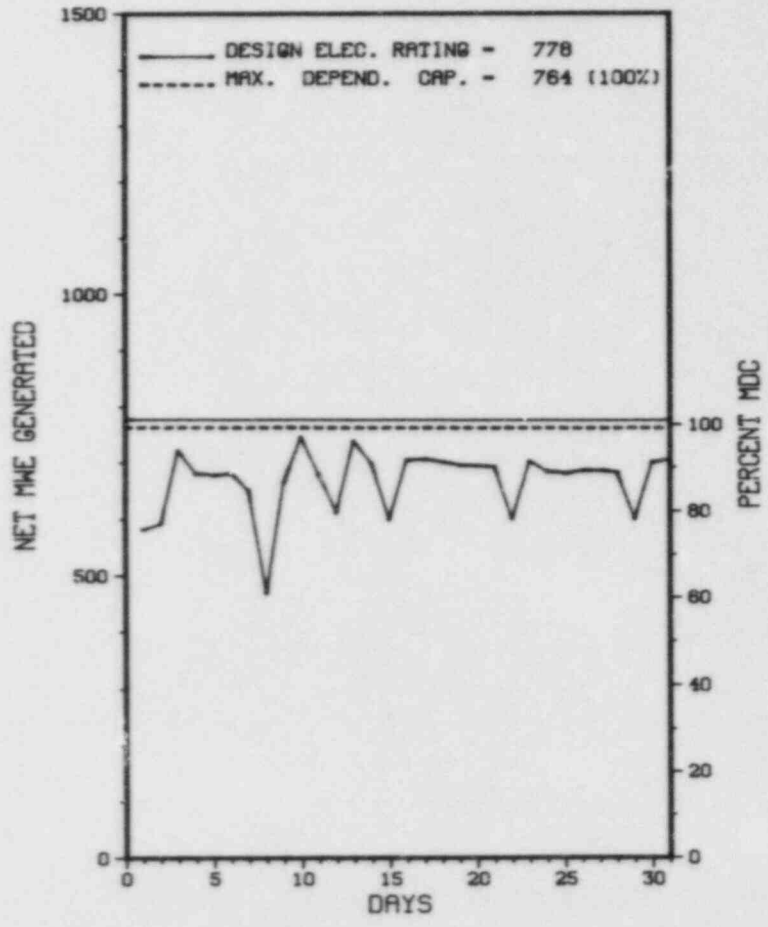
REFUELING & MAINTENANCE- SEPT. 24, 1984 7 MONTHS

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

****
* COOPER STATION *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* COOPER STATION *
****

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

****
* SUMMARY *
****

COOPER STATION OPERATED WITH NO OUTAGES OR REDUCTIONS DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* COOPER STATION *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 7-11, 1984 (84-09): ROUTINE, UNANNOUNCED INSPECTION OF THE PROCUREMENT ACTIVITIES; RECEIPT, STORAGE; AND HANDLING PROGRAM AND PROCUREMENT CONTROL PROGRAM. ONE VIOLATION WAS IDENTIFIED (FAILURE TO TAG REJECTED MATERIAL).

INSPECTION CONDUCTED JUNE 25-29, 1984 (84-14): ROUTINE, UNANNOUNCED INSPECTION OF FACILITY MODIFICATION ACTIVITIES ASSOCIATED WITH RECIRCULATION CORE SPRAY LOOP, AND REACTOR WATER CLEAN-UP PIPING REPLACEMENT. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 25-29, 1984

INSPECTION REPORT NO: 50-298/8414

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-008	6/9/84	7/10/84	RADIOACTIVE LIQUID DISCHARGE NOT MONITORED

1. Docket: 50-302 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	64,751.0
13. Hours Reactor Critical	734.9	4,796.0	42,366.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,275.5
15. Hrs Generator On-Line	731.7	4,754.3	41,373.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,786,676	11,436,851	93,401,186
18. Gross Elec Ener (MWH)	610,923	3,948,530	31,875,266
19. Net Elec Ener (MWH)	582,782	3,764,555	30,281,638
20. Unit Service Factor	98.3	93.0	63.9
21. Unit Avail Factor	98.3	93.0	63.9
22. Unit Cap Factor (MDC Net)	95.4	89.7	57.0
23. Unit Cap Factor (DER Net)	94.9	89.3	56.7
24. Unit Forced Outage Rate	.0	1.5	22.0
25. Forced Outage Hours	.0	73.9	11,689.2

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

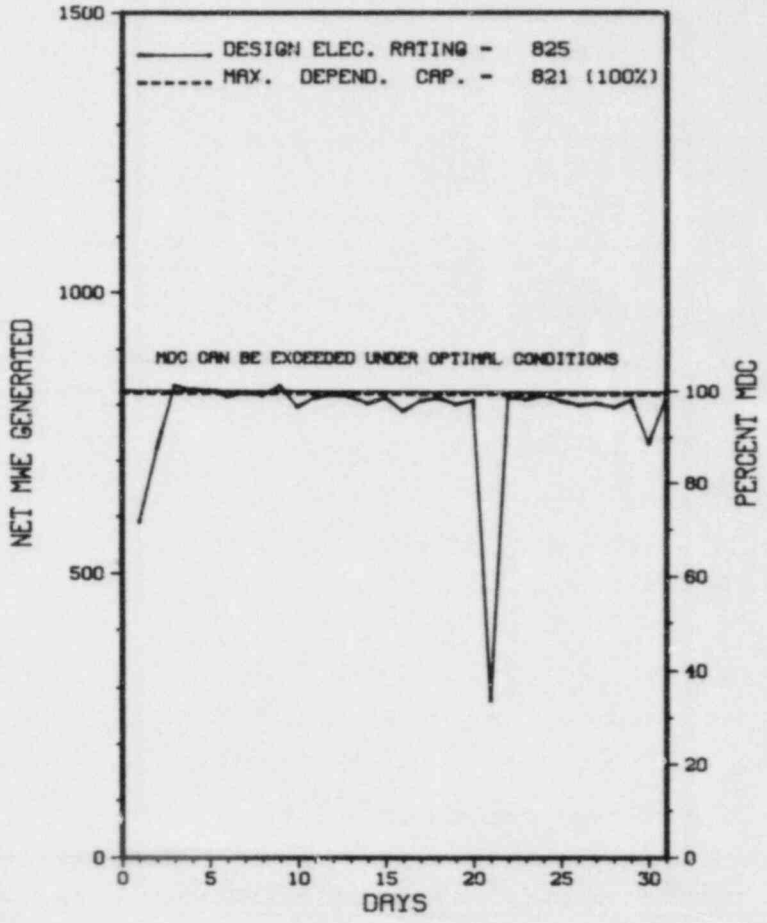
NONE

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

****
* CRYSTAL RIVER 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* CRYSTAL RIVER 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-26	07/01/84	S	0.0	B	5		HC	HTEXCH	REDUCED POWER TO CLEAN AND SHOOT CONDENSER TUBES.
84-27	07/21/84	S	12.3	A	1		CB	MOTORX	SHUTDOWN BRIEFLY TO ADD OIL TO THE "C" REACTOR COOLANT PUMP OIL RESERVOIR.

****
* SUMMARY *
****

CRYSTAL RIVER OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* CRYSTAL RIVER 3 *
****

FACILITY DATA

Report Period JUL 1984

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 JULY 30 - AUGUST 3 (84-24): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING: INTERNAL AND EXTERNAL EXPOSURE CONTROL; RADIATION WORK PERMIT PROGRAM; HEALTH PHYSICS TRAINING AND QUALIFICATIONS; RESPIRATORY PROTECTION PROGRAM; QUALITY ASSURANCE ASSURANCE SURVEILLANCE PROGRAM; ALARA PROGRAM; POSTING, LABELING, AND CONTROL OF RADIOLOGICAL AREAS; ROUTINE AND SPECIAL RADIATION SURVEYS; AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1 PROCEDURES THAT COVER THE REVIEW AND APPROVAL OF PROCEDURES AND PROCEDURES THAT COVER SURVEILLANCE ACTIVITIES OF SAFETY-RELATED EQUIPMENT WERE NOT ADHERED TO.
(8416 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

****
* CRYSTAL RIVER 3 *
****

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JUNE 18-22, 1984 +

INSPECTION REPORT NO: 50-302/84-20 +

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
84-012	06/15/84	07/13/84	INSTRUMENT AIR SUPPLY LINE TO DAMPERS FOR AUX BLDG EXHAUST FANS WAS BROKEN, REPAIRED AND RETURNED TO SERVICE.
84-014	06/25/84	07/25/84	THE AUXILIARY BLDG EXHAUST FANS WERE TAKEN OUT OF SERVICE IN ORDER TO PERFORM MODIFICATIONS TO THE VENTILATION SYSTEM DAMPERS.
84-015	07/13/84	08/09/84	AUTO START OF EMERGENCY DIESEL GENERATOR-A DRAIN PETCOCK ON AN AIR FILTER IN THE 'B' EMERGENCY DIESEL GENERATOR AIR START SYSTEM FAILED.
84-016	07/20/84	08/15/84	THE ALARM/TRIP SETPOINT FOR THE FUEL STORAGE POOL AREA GASEOUS MONITOR WAS NOT IN ACCORDANCE WITH TECHNICAL SPECIFICATION, THIS EVENT REQUIRED NO IMMEDIATE CORRECTIVE ACTIONS.

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

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: BILAL SARSOUR (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): 918

8. Maximum Dependable Capacity (Net MWe): 874

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	52,632.0
13. Hours Reactor Critical	744.0	4,532.4	32,034.8
14. Rx Reserve Shtdwn Hrs	.0	134.8	4,014.1
15. Hrs Generator On-Line	744.0	4,492.9	30,644.7
16. Unit Reserve Shtdwn Hrs	.0	.0	1,732.7
17. Gross Therm Ener (MWH)	1,907,358	11,563,897	72,607,711
18. Gross Elec Ener (MWH)	619,211	3,789,759	24,081,752
19. Net Elec Ener (MWH)	586,466	3,574,536	22,573,235
20. Unit Service Factor	100.0	87.9	58.2
21. Unit Avail Factor	100.0	87.9	61.5
22. Unit Cap Factor (MDC Net)	90.2	80.0	49.1
23. Unit Cap Factor (DER Net)	87.0	77.2	47.3
24. Unit Forced Outage Rate	.0	12.1	17.7
25. Forced Outage Hours	.0	618.1	7,202.1

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

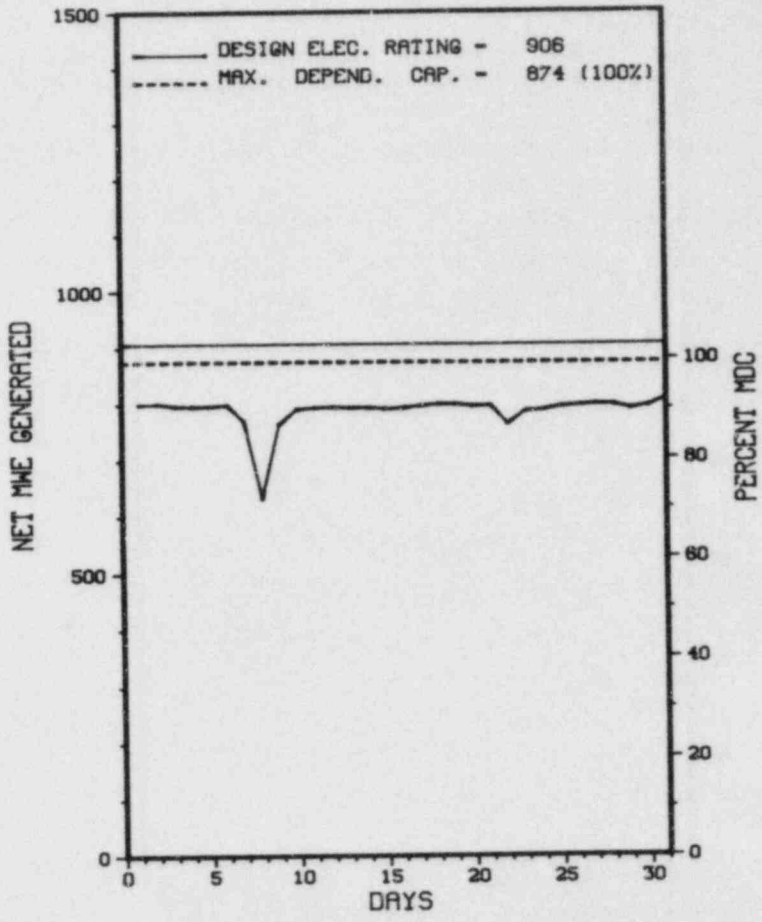
REFUELING & MAINTENANCE - 9/1/84 THRU 11/9/84

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

****
* DAVIS-BESSE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* DAVIS-BESSE 1 *
****

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

****
* SUMMARY *
****

DAVIS-BESSE 1 OPERATED ROUTINELY DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* DAVIS-BESSE 1 *
****

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

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO

COUNTY.....OTTAWA

DIST AND DIRECTION FROM NEAREST POPULATION CTR...21 MI E OF TOLEDO, OH

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 12, 1977

DATE ELEC ENER 1ST GENER...AUGUST 28, 1977

DATE COMMERCIAL OPERATE....JULY 31, 1978

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TOLEDO EDISON

CORPORATE ADDRESS.....300 MADISON AVENUE
TOLEDO, OHIO 43652

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. ROGERS

LICENSING PROJ MANAGER.....A. DEAGAZIO
DOCKET NUMBER.....50-346

LICENSE & DATE ISSUANCE....NPF-3, APRIL 22, 1977

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
GOVERNMENT DOCUMENTS COLLECTION
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON APRIL 2 - JUNE 11, (84-06): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; IE CIRCULARS; RECEIPT OF NEW FUEL; ACRS MEETING PARTICIPATION; MANAGEMENT MEETINGS; AND OPERATIONAL EVENTS. THE INSPECTION INVOLVED A TOTAL OF 312 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 105 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN EIGHT AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND LICENSEE EVENT REPORT FOLLOWUP (FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION); AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF FOLLOWUP ON OPERATIONAL EVENTS (FAILURE TO REPORT RPS ACTUATIONS TO THE NRC).

INSPECTION ON APRIL 23-27, MAY 1-4, AND MAY 8-11, (84-09): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF PREVIOUS INSPECTION FINDINGS, MAINTENANCE PROGRAM AND IMPLEMENTATION, DESIGN CHANGE PROGRAM AND IMPLEMENTATION, TEST AND EXPERIMENTS PROGRAM, AUDIT PROGRAM, PERSONNEL QUALIFICATIONS, CORRECTIVE ACTION PROGRAM, TEST AND MEASURING EQUIPMENT CONTROL PROGRAM, SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM, LICENSEE EVENT 83-070, IE BULLETIN 83-05 FOLLOWUP, PROCUREMENT PROGRAM, LICENSED AND NON-LICENSED TRAINING, GENERIC LETTER 83-28 FOLLOWUP AND QA PROGRAM CHANGES. THE INSPECTION INVOLVED 334 INSPECTOR-HOURS ONSITE BY FIVE INSPECTORS AND FOUR INSPECTOR-HOURS AT CORPORATE HEADQUARTERS BY ONE INSPECTOR.

INSPECTION ON JUNE 7 AND 8, (84-10): SPECIAL, UNANNOUNCED INSPECTION TO ASSESS THE IMPLEMENTATION OF ACTIONS COMMITTED TO BY THE LICENSEE TO UPGRADE FIRE PROTECTION CONFORMANCE. THE INSPECTOR REVIEWED THE LICENSEE'S FIRE PROTECTION AND SAFE SHUTDOWN ANALYSIS

INSPECTION SUMMARY

INCLUDING, FIRE PROTECTION ENGINEER QUALIFICATIONS, EMERGENCY LIGHTING ANALYSIS, THREE HOUR FIRE BARRIER(S) AND KAOWOOL FIRE WRAPPING, DISCONNECTED FIRE DETECTORS, AND POSSIBLY DEFECTIVE DELUGE VALVES. THE INSPECTION INVOLVED 16 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. IN THE SIX AREAS INSPECTED, NO APPARENT VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.72(B)(2)(II) REQUIRES THAT ANY EVENT OR CONDITION THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERING SAFETY FEATURES (ESF), INCLUDING THE REACTOR PROTECTION SYSTEM (RPS) SHALL BE REPORTED TO THE NRC WITHIN FOUR-HOURS. CONTRARY TO THE ABOVE, THE LICENSEE EXPERIENCED RPS ACTUATIONS ON MAY 15, 1984 AND MAY 17, 1984 ON SHUTDOWN BYPASS HIGH PRESSURE AND DID NOT MAKE A FOUR-HOUR NOTIFICATION TO THE NRC. 10 CFR 50, APPENDIX B , CRITERION XVI, CORRECTIVE ACTIONS, STATES IN PART, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT, AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED." THE TOLEDO EDISON QA MANUAL SECTION 16.1.1 STATES, IN PART, "DIVISION DIRECTORS SHALL DEVELOP PROCEDURES TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS EQUIPMENT FAILURES, EQUIPMENT MALFUNCTIONS, PROCEDURE DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT, AND DEVIATION TO REGULATORY RULES AND REQUIREMENTS ARE PROMPTLY IDENTIFIED, DOCUMENTED AND CORRECTED." CONTRARY TO THE ABOVE: (A) THE LICENSEE DID NOT TAKE PROMPT CORRECTIVE ACTION TO ESTABLISH PROCEDURES TO REPORT CONDITIONS ADVERSE OF QUALITY. IN THE RESPONSE TO INSPECTION REPORT 83-19, THE LICENSEE STATED ALL ORGANIZATIONS INVOLVED IN IMPLEMENTING THE QA MANUAL WOULD HAVE PROCEDURES IN-PLACE TO REPORT CONDITIONS ADVERSE TO QUALITY BY APRIL 1, 1984. AS OF APRIL 23, 1984, THE DIVISIONS OF ENGINEERING, NUCLEAR SERVICES, PROCUREMENT AND RECORDS MANAGEMENT DID NOT HAVE THESE PROCEDURES IN-PLACE. ALSO, THE LICENSEE HAD CLOSED THIS ITEM IN THEIR TRACKING SYSTEM EVEN THOUGH CORRECTIVE ACTION HAD NOT BEEN COMPLETED. (B) THE LICENSEE DID NOT PROMPTLY DECLARE 56 FIRE DOORS INOPERABLE AND ESTABLISH FIRE WATCHES WHEN A NONCONFORMANCE REPORT WAS EVALUATED BY ENGINEERING PERSONNEL DENOTING THE DOORS DID NOT CONFORM TO NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.
(8406 4)

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY TOLEDO EDISON QUALITY ASSURANCE PROGRAM AS DESCRIBED IN SECTION 17.2.5, INCLUDING A COMMITMENT TO ANSI N18.7-1972, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES. SECTION 5.1.5 OF ANSI 18.7-1972, AND SECTION 1.C.6 OF NUREG-0737, REQUIRE INDEPENDENT VERIFICATION OF TAGGING ACTIVITIES RELATIVE TO REMOVAL FROM AND RETURN TO SERVICE OF PLANT EQUIPMENT. CONTRARY TO THE ABOVE, NO PROCEDURE OR REQUIREMENT EXISTED FOR INDEPENDENT VERIFICATION OF TAGGING PLANT EQUIPMENT OUT OF SERVICE. DAVIS-BESSE NUCLEAR POWER STATION TECHNICAL SPECIFICATION FOR REACTOR COOLANT SYSTEM CHEMISTRY, SECTION 3.4.7, REQUIRES THAT THE REACTOR COOLANT SYSTEM CHEMISTRY SHALL BE MAINTAINED WITHIN THE STEADY STATE LIMIT FOR CHLORIDES OF LESS THAN OR EQUAL TO 0.15 PPM. CONTRARY TO THE ABOVE, THE CHLORIDE CONCENTRATION IN THE REACTOR COOLANT SYSTEM EXCEEDED THE LIMIT, TO A MAXIMUM OF 0.26 PPM, FOR A TOTAL OF 22 HOURS. THE UNDERLYING CAUSE WAS DETERMINED TO BE THE PREMATURE BREAKDOWN OF RECENTLY INSTALLED RESIN IN THE PURIFICATION DEMINERALIZERS AS A RESULT OF THE FOLLOWING: (A) PURCHASE OF THE RESIN WAS UNCONTROLLED AS A NON-Q ITEM WITH NO RECEIPT INSPECTION OR TESTING, ALLOWING AN UNACCEPTABLE TYPE OF RESIN TO BE INSTALLED IN THE DEMINERALIZERS; (B) FAILURE TO FOLLOW PROCEDURE LI 4782 WHICH SPECIFIED THE RESIN CHEMICAL AND PHYSICAL REQUIREMENTS.

(8409 4)

TECHNICAL SPECIFICATION, SECTIONS 6.5.1.6.D AND 6.5.1.7.A, REQUIRE THE STATION REVIEW BOARD TO REVIEW ALL PROPOSED CHANGES OR MODIFICATIONS TO PLANT SYSTEMS OR EQUIPMENT THAT AFFECT NUCLEAR SAFETY AND RECOMMEND WRITTEN APPROVAL OR DISAPPROVAL OF CHANGES OR MODIFICATIONS TO THE STATION SUPERINTENDENT. CONTRARY TO THE ABOVE, TEMPORARY MODIFICATIONS ASSOCIATED WITH NONCONFORMANCE REPORTS NCR-232-81, (LIMITORQUE VALVE MODIFICATION), NCR 392-81 (SERVICE WATER VALVE MODIFICATION), AND NCR 83-01 (AUXILIARY FEEDWATER PUMP STEAM LINE MODIFICATION) WERE NOT REVIEWED BY THE STATION REVIEW BOARD AND A RECOMMENDATION CONCERNING THE MODIFICATION'S ACCEPTABILITY WAS NOT MADE TO THE STATION SUPERINTENDENT.10 CFR 50, APPENDIX B, CRITERION XVII, AS IMPLEMENTED BY THE TOLEDO EDISON OPERATING QA PROGRAM AND THE FSAR SECTION 17.2, REQUIRE THAT THE APPLICANT SHALL PROVIDE RECORD STORAGE CONSISTENT WITH APPLICABLE REGULATORY REQUIREMENTS. THE TOLEDO EDISON QA PROGRAM COMMITS TO ANSI N45.2.9-1974 AND REGULATORY GUIDE 1.88, REVISION 2, OCTOBER 1976, WITH AN EXCEPTION SPECIFYING A TWO HOUR FIRE PROTECTION RATING FOR RECORD STORAGE FACILITIES. CONTRARY TO THE ABOVE, RECORDS OF AUDITS, AUDITOR AND QC INSPECTOR QUALIFICATION/CERTIFICATION AND CALIBRATIONS WERE

ENFORCEMENT SUMMARY

NOT PROVIDED THE REQUIRED PROTECTION. 10 CFR 50, APPENDIX B, CRITERION II STATES IN PART, "THE PROGRAM SHALL PROVIDE FOR INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED." THE DAVIS-BESSE UPDATED SAFETY ANALYSIS REPORT (USAR) IN SECTION 13.2.1 STATES THAT THE TRAINING PROGRAM IS DESCRIBED AND ADMINISTERED BY THE AD 1828 SERIES OF PROCEDURES. SECTION 13.2.2.2 OF THE USAR INCLUDES COMMITMENTS THAT CHEMISTRY AND HEALTH PHYSICS (C&HP) PERSONNEL ARE PROPERLY TRAINED AND MAINTAIN PROFICIENCY IN THEIR REQUIRED JOB SKILLS THROUGH CONTINUED TRAINING. SECTION 13.2.2.3 OF THE USAR INCLUDES COMMITMENTS THAT MAINTENANCE PERSONNEL ARE PROPERLY TRAINED TO PERFORM THEIR JOBS AND THAT THEY REMAIN PROFICIENT IN THE REQUIRED JOB SKILLS. ADMINISTRATIVE PROCEDURE AD 1828.00 (PERSONNEL TRAINING PROGRAM) REQUIRES INITIAL TRAINING AND CONTINUING TRAINING FOR C&HP PERSONNEL PER AD 1828.12 AND FOR ALL MAINTENANCE PERSONNEL PER AD 1828.11. CONTRARY TO THE ABOVE, THE MASTER TRAINING SCHEDULE FOR 1984 DID NOT IDENTIFY THAT ANY INITIAL OR CONTINUING TRAINING HAD BEEN SCHEDULED IN 1984 FOR C&HP PERSONNEL OR FOR ELECTRICAL MAINTENANCE PERSONNEL.

10 CFR 50, APPENDIX B, CRITERION XII, AS IMPLEMENTED BY THE TOLEDO EDISON OPERATIONAL QUALITY ASSURANCE PROGRAM REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT TOOLS, GAUGES INSTRUMENTS AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS. CONTRARY TO THE ABOVE, TEST AND MEASURING EQUIPMENT AVAILABLE FOR USE BY THE QUALITY CONTROL DEPARTMENT WAS NOT CONTROLLED AND CALIBRATED AS REQUIRED. 10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY THE TOLEDO EDISON'S OPERATIONAL QUALITY ASSURANCE PROGRAM, REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, FIVE OPEN NONCONFORMANCE REPORTS WERE NOTED WITH TEMPORARY FIXES OR DISPOSITIONS FOR SHORT TERM USE. THESE TEMPORARY CONDITIONS HAD EXISTED FOR A PERIOD OF ONE TO FIVE YEARS. ADDITIONALLY, TWO CORRECTIVE ACTION REQUESTS, WRITTEN IN 1982 WITH 1983 SCHEDULED COMPLETION DATES, WERE STILL OPEN AT THE TIME OF THIS INSPECTION.
(8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JUNE 7-8, 1984

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

DAVIS-BESSE 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	03/02/84	07/26/84	TRIP DUE TO CLOSURE OF MAIN STEAM ISO. VALVE.
84-08	06/05/84	07/03/84	INOPERABLE DIESEL GENERATORS.
84-09	06/18/84	06/18/84	POTENTIAL PIPING BREAKS, STARTUP FEEDWATER PUMP PIPING.
84-10	06/24/84	07/24/84	UNPLANNED REACTOR SHUTDOWN DUE TO PERSONNEL ERROR.

1. Docket: 50-237 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: BEN SCHROEDER (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	744.0	5,111.0	124,631.0
13. Hours Reactor Critical	720.9	4,923.3	97,148.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	700.8	4,821.2	92,722.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,454,064	11,312,560	188,050,156
18. Gross Elec Ener (MWH)	457,957	3,663,974	60,167,141
19. Net Elec Ener (MWH)	431,759	3,475,841	56,873,285
20. Unit Service Factor	94.2	94.3	74.4
21. Unit Avail Factor	94.2	94.3	74.4
22. Unit Cap Factor (MDC Net)	75.2	88.1	59.1
23. Unit Cap Factor (DER Net)	73.1	85.7	57.5
24. Unit Forced Outage Rate	5.8	5.7	11.6
25. Forced Outage Hours	43.2	289.8	4,710.0

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

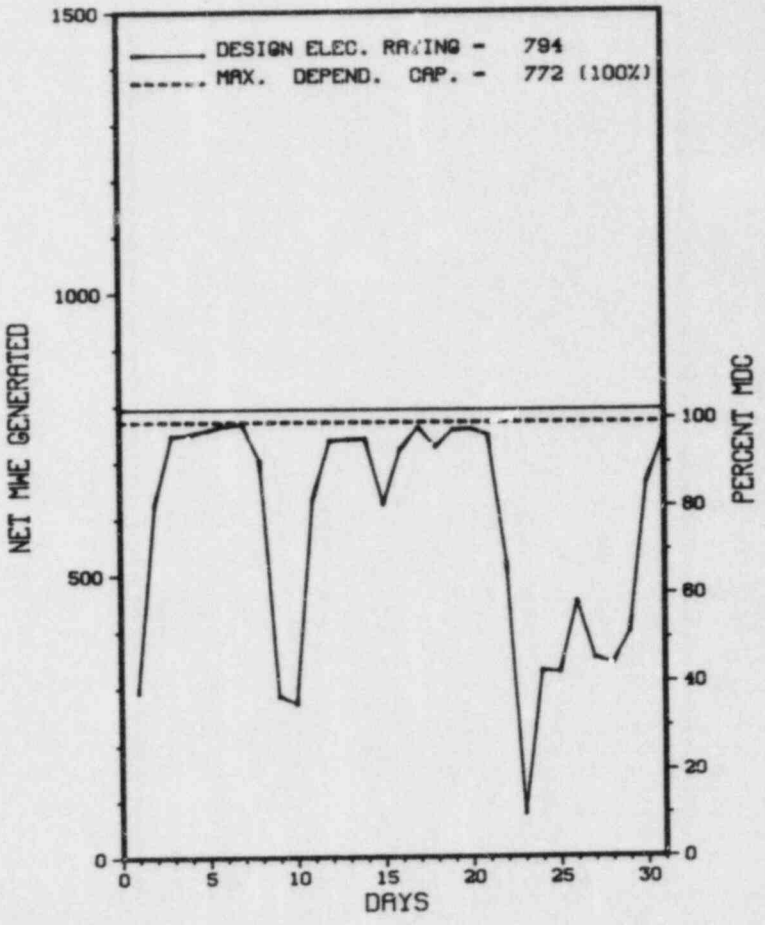
SEPTEMBER 3, 1983 FOR REFUEL; @ 12 WEEKS.

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

****
* DRESDEN 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



JULY 1984

Report Period JUL 1984 UNI SHUTDOWNS / REDUCTIONS

****
* DRESDEN 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/09/84	F	21.0	G	3				WHILE PERFORMING SURVEILLANCE THE INSTRUMENT MECHANIC IMPROPERLY PERFORMED THE REQUIRED SURVEILLANCE TEST. ACTION DISCUSSED WITH MECHANIC.
4	07/22/84	F	22.2	G	3				UNIT 3 RO REQUESTED THAT A RECIRCULATION VALVE ON THE EHC OPERATOR OPENED. THE OPERATOR OPENED THE VALVE ON UNIT 2 BY MISTAKE. ACTION DISCUSSED WITH OPERATOR.

****
* SUMMARY *
****

DRESDEN 2 OPERATED WITH 2 OUTAGES DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* DRESDEN 2 *
****

FACILITY DATA

Report Period JUL 1984

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 JUNE 4-6, (84-10): ROUTINE ANNOUNCED INSPECTION OF THE DRESDEN EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 150 INSPECTOR-HOURS ONSITE BY SIX NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING MAY 22 - JUNE 15, (84-11): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HQ REQUEST, REGIONAL REQUEST, OPERATIONAL SAFETY, FIRE PROTECTION PROGRAM, SURVEILLANCE PROGRAM, MAINTENANCE, LICENSEE EVENT REPORTS, I. E. INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED 122 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 22 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE SURVEILLANCE TESTING OF CARDOX SYSTEM).

ENFORCEMENT SUMMARY

DRESDEN TECHNICAL SPECIFICATION 4.12.D.3 STATES IN PART "AT LEAST ONCE PER OPERATING CYCLE, THE (CARDOX) SYSTEM VALVES AND ASSOCIATED DAMPERS WILL BE VERIFIED TO ACTUATE AUTOMATICALLY AND MANUALLY." CONTRARY TO THE ABOVE, THE CARDOX SYSTEM DISCHARGE MASTER VALVE WAS NOT TESTED TO VERIFY ACTUATION IN THE AUTOMATIC MODE AND IT APPEARS THAT TESTING IN THE AUTOMATIC MODE WAS NOT INCLUDED IN THE SURVEILLANCE PROGRAM.
(8411 4)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY. PLANNED REFUELING OUTAGE TO BEGIN ON 9/05/84.

LAST IE SITE INSPECTION DATE: JULY 27 - AUGUST 15, 1984

INSPECTION REPORT NO: 84-15

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	06/18/84	07/17/84	FIRE SYSTEM CONTROL ROOM ALARMS.
84-06	02/08/84	06/26/84	EAST LPCI CORNER ROOM SUBMARINE DOOR NOT CLOSED.
84-07	06/28/84	07/25/84	LOSS OF AUTO CONTROL FOR 1501-3A AND 3B.
84-09	06/21/84	07/12/84	REACTOR SCRAM ON LOW VESSEL WATER LEVEL.
84-10	06/26/84	07/24/84	LOSS OF FEEDER BREAKER POSITION INDICATION FROM BUS 29 TO BUS 29-7.
84-11	07/05/84	07/26/84	DEGRADED FIRE BARRIERS.

1. Docket: 50-249 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: BEN SCHROEDER (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	744.0	5,111.0	114,216.0
13. Hours Reactor Critical	254.1	580.2	83,415.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	186.2	186.2	80,048.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	248,593	248,593	160,211,597
18. Gross Elec Ener (MWH)	74,541	74,541	52,027,450
19. Net Elec Ener (MWH)	64,412	34,559	49,265,142
20. Unit Service Factor	25.0	3.6	70.1
21. Unit Avail Factor	25.0	3.6	70.1
22. Unit Cap Factor (MDC Net)	11.2	.9	55.8
23. Unit Cap Factor (DER Net)	10.9	.9	54.3
24. Unit Forced Outage Rate	.0	.0	12.6
25. Forced Outage Hours	.0	.0	6,415.2

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

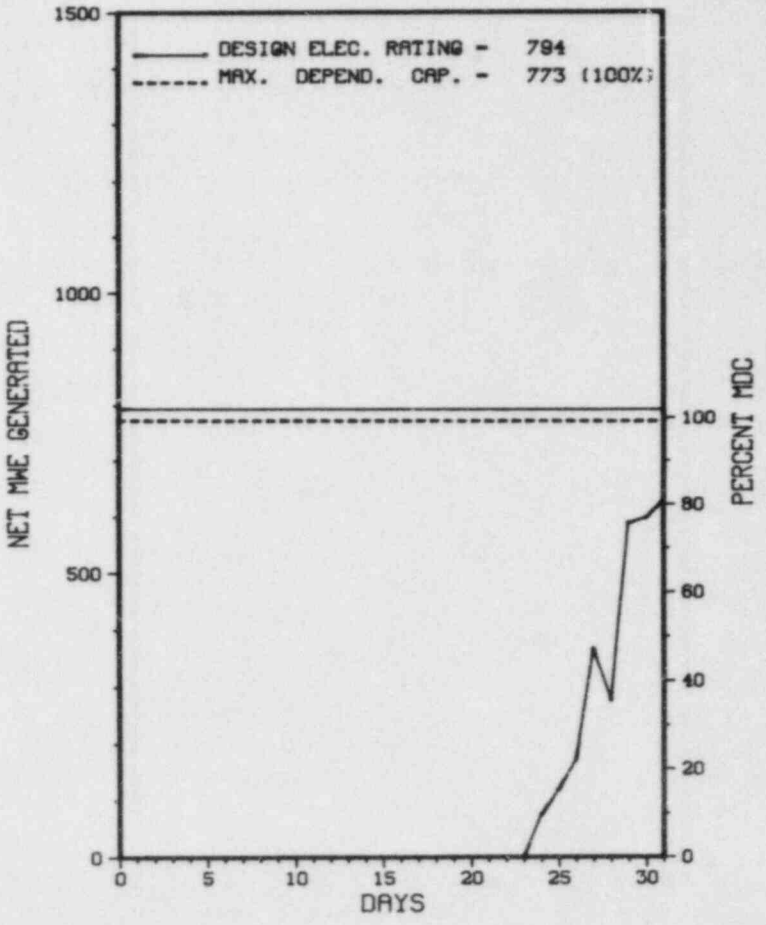
NONE

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

****
* DRESDEN 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

DRESDEN 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/30/83	S	557.8	A	4				MAIN TURBINE REPAIR CONCLUDES.

SUMMARY

DRESDEN 3 RETURNED ONLINE FROM MAIN TURBINE REPAIRS ON JULY 24TH.

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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

****
* DRESDEN 3 *
****

FACILITY DATA

Report Period JUL 1984

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, 197[illegible]

PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 4-6, (84-09): ROUTINE ANNOUNCED INSPECTION OF THE DRESDEN EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 150 INSPECTOR-HOURS ONSITE BY SIX NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DURING MAY 22 - JUNE 15, (84-10): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, HQ REQUEST, REGIONAL REQUEST, OPERATIONAL SAFETY, FIRE PROTECTION PROGRAM, SURVEILLANCE PROGRAM, MAINTENANCE, LICENSEE EVENT REPORTS, I. E. INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED 122 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 22 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. OF THE 12 AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE SURVEILLANCE TESTING OF CARDOX SYSTEM).

ENFORCEMENT SUMMARY

DRESDEN TECHNICAL SPECIFICATION 4.12.D.3 STATES IN PART "AT LEAST ONCE PER OPERATING CYCLE, THE (CARDOX) SYSTEM VALVES AND ASSOCIATED DAMPERS WILL BE VERIFIED TO ACTUATE AUTOMATICALLY AND MANUALLY." CONTRARY TO THE ABOVE, THE CARDOX SYSTEM DISCHARGE MASTER VALVE WAS NOT TESTED TO VERIFY ACTUATION IN THE AUTOMATIC MODE AND IT APPEARS THAT TESTING IN THE AUTOMATIC MODE WAS NOT INCLUDED IN THE SURVEILLANCE PROGRAM.
(8410 4)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT WAS SHUT DOWN ON 9/30/83 FOR AN EXTENDED REFUELING AND MAINTENANCE OUTAGE. NOW OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JULY 27 - AUGUST 15, 1984

INSPECTION REPORT NO: 84-14

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
NONE			

1. Docket: 50-331 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: MATT ANDERSON (319) 851-7308
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	744.0	5,111.0	83,255.0
13. Hours Reactor Critical	705.0	3,723.4	59,658
14. Rx Reserve Shtdwn Hrs	0	130.3	130.3
15. Hrs Generator On-Line	691.1	3,621.6	58,064.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,031,560	5,300,216	73,048,778
18. Gross Elec Ener (MWH)	340,073	1,785,356	24,479,413
19. Net Elec Ener (MWH)	319,515	1,681,498	22,917,868
20. Unit Service Factor	92.9	70.9	69.7
21. Unit Avail Factor	92.9	70.9	69.7
22. Unit Cap Factor (MDC Net)	83.4	63.9	53.5
23. Unit Cap Factor (DER Net)	79.8	61.2	51.2
24. Unit Forced Outage Rate	7.1	17.9	17.3
25. Forced Outage Hours	52.9	789.9	12,124.2

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

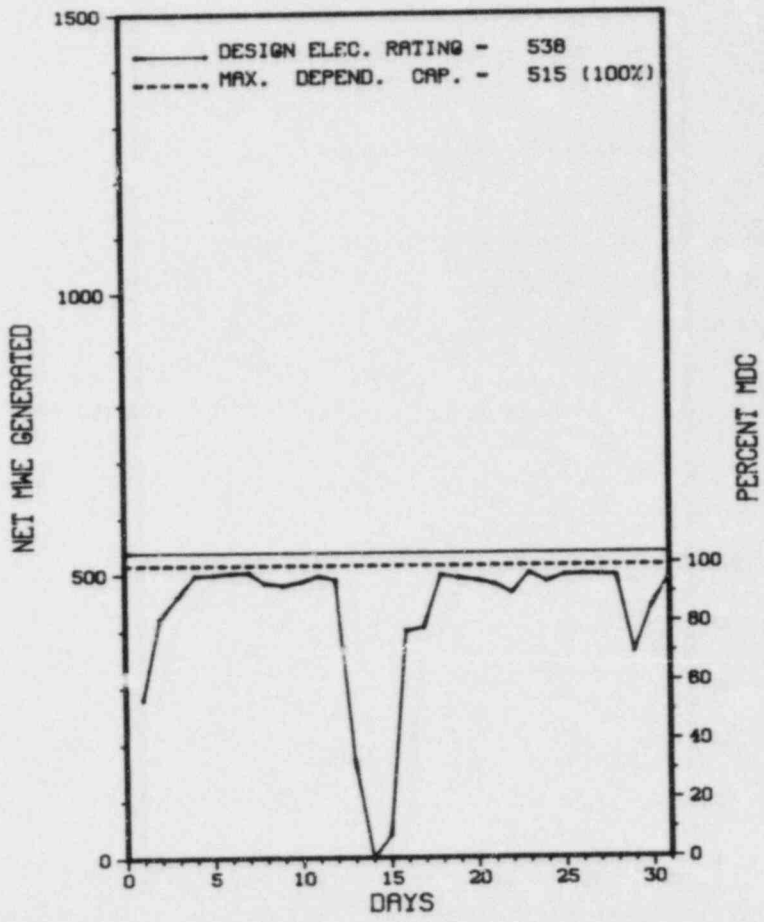
MAINTENANCE OUTAGE-SEPTEMBER 28 TO OCTOBER 21, 1984

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

****
* DUANE ARNOLD *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

DUANE ARNOLD

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/13/84	F	52.9	H	3	84-027	JC	JC-PS	JARRED INSTRUMENTS RESULTED IN SPURIOUS HIGH REACTOR PRESSURE SIGNALS AND RESULTANT SCRAM. DURING STARTUP DEGRADED VOLTAGE OFFSITE POWER GRID RESULTED IN A SECOND SCRAM.
7	07/29/84	S	0.0	H	5				ROD MANIPULATION REQUIRED REDUCTION IN POWER TO 50%. RATE OF INCREASE IN POWER WAS LIMITED BY THE PRECONDITIONING PROCESS. COMPUTER DIFFICULTIES WITH THE PERIODIC CORE PERFORMANCE SUMMARY REPORT DELAYED THE PRECONDITIONING PROCESS.

SUMMARY

DUANE ARNOLD OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* DUANE ARNOLD *
****

FACILITY DATA

Report Period JUL 1984

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.....L. CLARDY

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

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

PUBLIC DOCUMENT ROOM.....REFERENCE SERVICE
CEDAR RAPIDS PUBLIC LIBRARY
428 THIRD AVENUE, S.E.
CEDAR RAPIDS, IOWA 52401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 1 - MAY 31, (84-07): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; TMI ITEMS; CONTAINMENT LEAK RATE TESTING; REGIONAL REQUESTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 140 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS, AND 20 INSPECTOR-HOURS OFFSITE. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: JULY 26 - SEPTEMBER 25, 1984

INSPECTION REPORT NO: 84-12

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
84-20	06/17/84	07/17/84	STANDBY FILTER UNIT INITIATION BY SPURIOUS SIGNAL.
84-21	06/17/84	07/06/84	EMERG. STANDBY D/G SCAVENGING AIR BLOWER FAILURE.
84-22	06/19/84	07/19/84	UNPLANNED 1/2 GROUP III ISOLATION.
84-23	06/19/84	07/19/84	RPS REACTOR HI PRESSURE SWITCH SETPOINT DRIFT.

1. Docket: 50-348 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. WOODARD (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 842
8. Maximum Dependable Capacity (Net MWe): 797
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	58,439.0
13. Hours Reactor Critical	744.0	3,332.8	38,456.0
14. Rx Reserve Shtdwn Hrs	.0	.0	3,650.7
15. Hrs Generator On-Line	744.0	3,248.0	37,351.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,973,062	8,174,380	94,275,904
18. Gross Elec Ener (MWH)	637,754	2,628,216	29,870,080
19. Net Elec Ener (MWH)	605,750	2,466,846	28,167,908
20. Unit Service Factor	100.0	63.5	63.9
21. Unit Avail Factor	100.0	63.5	63.9
22. Unit Cap Factor (MDC Net)	102.2	60.1	60.5*
23. Unit Cap Factor (DER Net)	98.2	58.2	58.1
24. Unit Forced Outage Rate	.0	2.4	14.4
25. Forced Outage Hours	.0	79.5	6,246.0

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

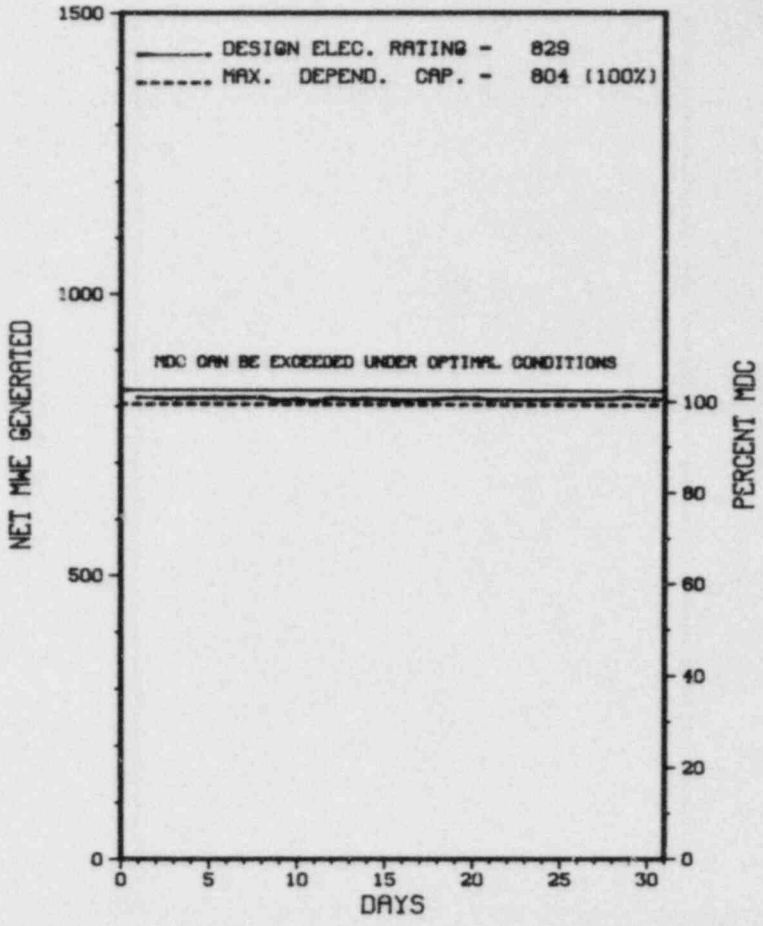
NONE

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

****
* FARLEY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* FARLEY 1 *
****

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

****
* SUMMARY *
****

FARLEY 1 OPERATED AT FULL POWER DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* FARLEY 1 *
****

FACILITY DATA

Report Period JUL 1984

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 W. BURDESHAW STREET
DOTHAN, ALABAMA 36301

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 25-29 (84-18): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 37 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION, TRAINING, INTERNAL EXPOSURE, EXTERNAL EXPOSURE, CONTROL OF RADIOACTIVE MATERIAL, ALARA, SOLID WASTES AND THE POST ACCIDENT SAMPLING SYSTEM. ONE VIOLATION WAS IDENTIFIED - THREE EXAMPLES OF FAILURE TO ADHERE TO RADIATION CONTROL PROCEDURES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

R. P. MCDONALD PROMOTED TO SENIOR VICE PRESIDENT NUCLEAR GENERATION, W. G. HAIr TON PROMOTED TO MANAGER NUCLEAR ENGINEERING AND TECHNICAL SUPPORT, J. D. WOODARD PROMOTED TO PLANT MANAGER.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JUNE 25-29, 1984 +

INSPECTION REPORT NO: 50-348/84-19 +

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
84-013	07/16/84	08/15/84	CONTINUOUS FIRE WATCH NOT POSTED AS REQUIRED A FIRE WATCH WAS POSTED IMMEDIATELY.

1. Docket: 50-364 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. WOODARD (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 860
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 853
8. Maximum Dependable Capacity (Net MWe): 809
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	26,352.0
13. Hours Reactor Critical	744.0	5,064.0	23,600.8
14. Rx Reserve Shtdwn Hrs	.0	.0	138.4
15. Hrs Generator On-Line	744.0	5,015.7	23,314.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,968,023	13,126,529	60,037,221
18. Gross Elec Ener (MWH)	624,866	4,248,756	19,235,604
19. Net Elec Ener (MWH)	595,036	4,044,822	18,244,848
20. Unit Service Factor	100.0	98.1	88.5
21. Unit Avail Factor	100.0	98.1	88.5
22. Unit Cap Factor (MDC Net)	98.9	97.3	85.6
23. Unit Cap Factor (DER Net)	96.5	95.5	83.5
24. Unit Forced Outage Rate	.0	1.9	4.6
25. Forced Outage Hours	.0	95.3	1,127.1

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

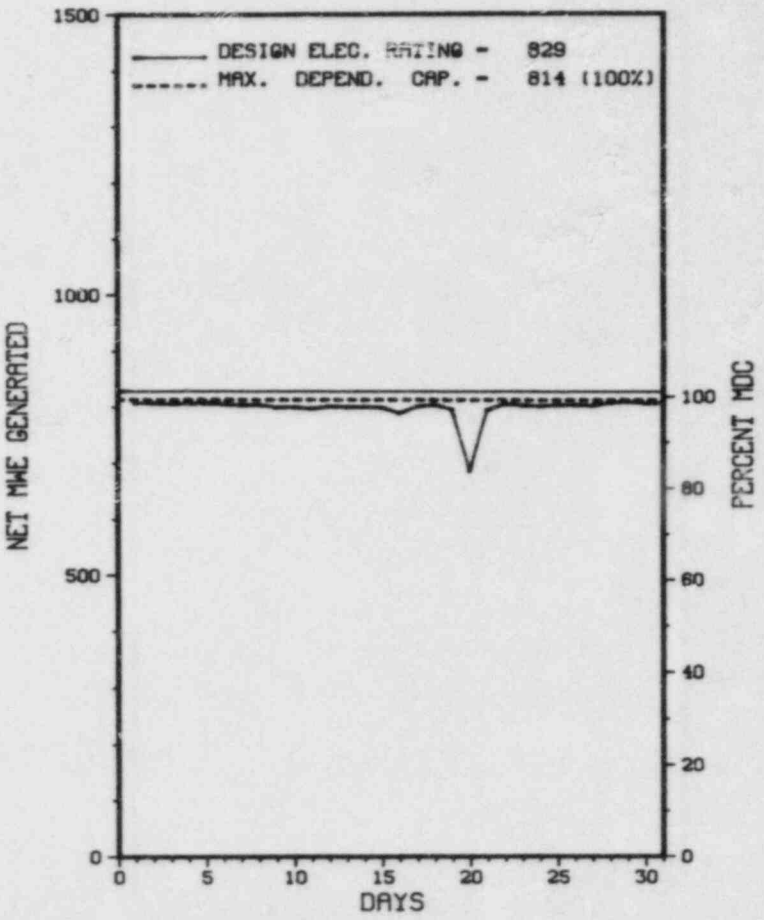
REFUELING/MAINTENANCE OUTAGE, 1/4/85, APPROX 6 WEEKS.

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

****
* FARLEY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* FARLEY 2 *
****

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

****
* SUMMARY *
****

FARLEY 2 OPERATED AT FULL POWER DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* FARLEY 2 *
****

FACILITY DATA

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 JUNE 11 - JULY 10 (84-17): THIS ROUTINE INSPECTION INVOLVED 81 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT AND STEAM GENERATOR TUBE LEAK. A VIOLATION WAS IDENTIFIED. INADEQUATE PROCEDURE AND FAILURE TO FOLLOW APPROVED PROCEDURES.

INSPECTION JUNE 25-29 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE INSPECTING: CHANGES TO APPROVED PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROLS - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE 14 AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

R. P. MCDONALD PROMOTED TO SENIOR VICE PRESIDENT NUCLEAR GENERATION, W. G. HAIRSTON PROMOTED TO MANAGER NUCLEAR ENGINEERING AND TECHNICAL SUPPORT, J. D. WOODARD PROMOTED TO PLANT MANAGER.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JUNE 25-29, 1984 +

INSPECTION REPORT NO: 50-364/84-19 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-333 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	79,008.0
13. Hours Reactor Critical	744.0	4,726.6	57,255.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,619.4	55,819.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,715,976	10,659,120	118,395,706
18. Gross Elec Ener (MWH)	564,190	3,564,280	40,221,600
19. Net Elec Ener (MWH)	546,405	3,451,100	38,949,740
20. Unit Service Factor	100.0	90.4	70.7
21. Unit Avail Factor	100.0	90.4	70.7
22. Unit Cap Factor (MDC Net)	90.7	83.4	64.3*
23. Unit Cap Factor (DER Net)	89.5	82.2	60.0
24. Unit Forced Outage Rate	.0	3.1	13.7
25. Forced Outage Hours	.0	145.4	9,028.6

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

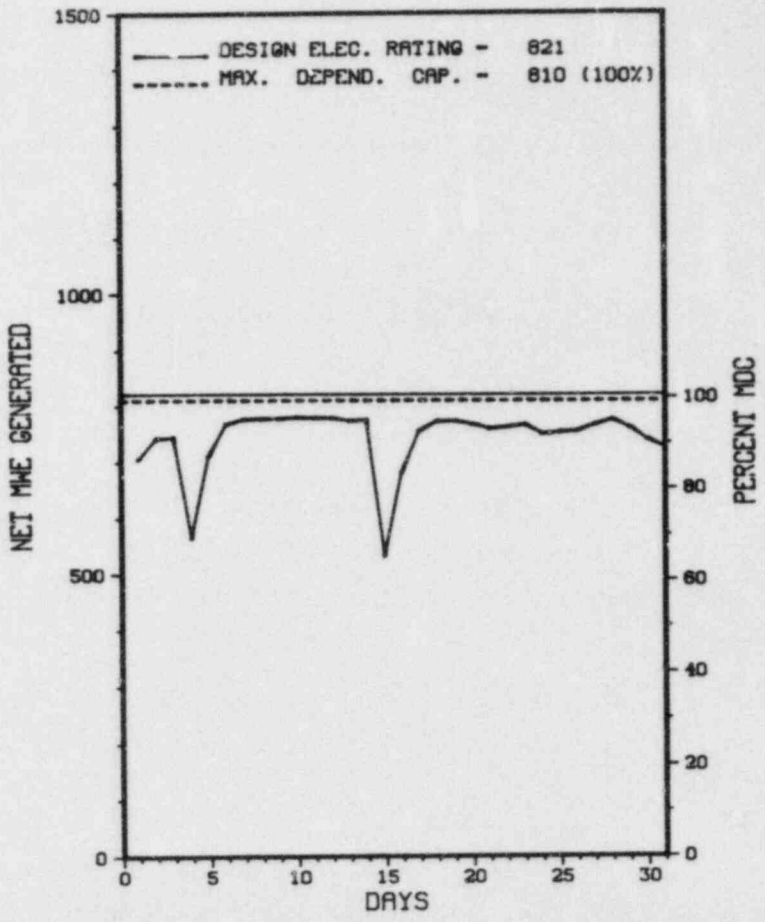
MAINTENANCE: 09/14/84 - 30 DAYS

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* FITZPATRICK *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	07/04/84	S	0.0	H	5				REDUCED POWER FOR ROD PATTERN ADJUSTMENT.
10	07/15/84	S	0.0	H	5		SD	COND	REDUCED POWER TO REPAIR A MAIN CONDENSER TUBE LEAK.

****
* SUMMARY *
****

THE FITZPATRICK PLANT OPERATED AT NEAR FULL THERMAL POWER FOR THIS REPORTING PERIOD WITH ONE POWER REDUCTION FOR ROD PATTERN ADJUSTMENT AND ONE POWER REDUCTION TO REPAIR A MAIN CONDENSER TUBE LEAK.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* FITZPATRICK *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...NOVEMBER 17, 1974

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

DATE COMMERCIAL OPERATE....JULY 28, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.

CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

INSPECTION STATUS - (CONTINUED)

****
* FITZPATRICK *
****

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-285 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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): 501

8. Maximum Dependable Capacity (Net MWe): 478

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

TURBINE BLADING REPAIR

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	95,112.0
13. Hours Reactor Critical	543.9	2,034.1	72,648.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	442.2	1,931.7	71,284.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	457,374	2,610,171	89,369,885
18. Gross Elec Ener (MWH)	140,784	831,042	29,460,466
19. Net Elec Ener (MWH)	130,986	787,>24	27,867,384
20. Unit Service Factor	59.4	37.8	74.9
21. Unit Avail Factor	59.4	37.8	74.9
22. Unit Cap Factor (MDC Net)	36.8	34.7	63.9*
23. Unit Cap Factor (DER Net)	36.8	32.2	61.3
24. Unit Forced Outage Rate	3.6	.8	3.5
25. Forced Outage Hours	16.3	16.3	1,414.7

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

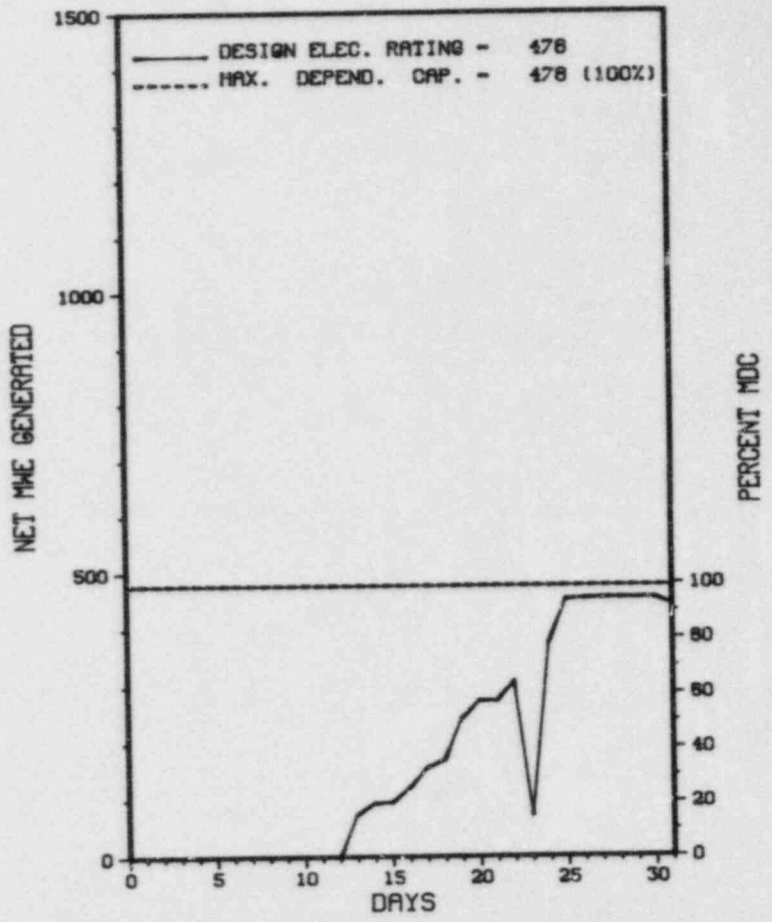
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	03/03/84	S	285.5	C	4		XX	XXXXXX	1984 REFUELING OUTAGE COMMENCED MARCH 3, 1984. UNIT RETURNED TO SERVICE JULY 12, 1984.
84-02	07/22/84	F	16.3	H	3		XX	XXXXXX	THE REACTOR TRIPPED WHEN SPIKES ON TWO OF THE RPS CHANNELS WERE OF SUFFICIENT MAGNITUDE TO CAUSE TM/LP TRIPS. NOISE SUPPRESSORS AND ADMINISTRATIVE CONTROLS WERE IMPLEMENTED AS CORRECTIVE ACTION.

****
* SUMMARY *
****

FORT CALHOUN RETURNED ONLINE FROM REFUELING ON JULY 13 AND OPERATED WITH 1 ADDITIONAL 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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....WASHINGTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1973

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

DATE COMMERCIAL OPERATE....JUNE 20, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....OMAHA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

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

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....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 JUNE 1-30, 1984 (84-14): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, FOLLOWUP OF NUREG 0737 (TMI) ITEMS, AND FOLLOWUP OF STEAM GENERATOR TUBE FAILURE INCIDENT. WITHIN THE FIVE AREAS INSPECTED, NO VIOLA-TIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 23-27, 1984 (84-15): ROUTINE, UNANNOUNCED INSPECTION OF RECEIPT, STORAGE, AND HANDLING PROGRAM. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES-INSPECTION OF MATERIAL RECEIVED).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INSPECTION STATUS - (CONTINUED)

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

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE FOLLOWING MANAGERIAL CHANGE WAS IMPLEMENTED JULY 1, 1984: R. L. ANDREWS, DIVISION MANAGER - NUCLEAR PRODUCTION

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: JULY 30, 1984 BY L. A. YANDELL

INSPECTION REPORT NO: 50-285/84-14

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05 REV 0	5/2/84	6/1/84	VIAS ACTUATIONS

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. H. FULLER (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:

PENDING COMPLETION OF THE B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	44,592.0
13. Hours Reactor Critical	.0	1,324.1	27,151.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	660.1	18,463.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	340,047	9,709,799
18. Gross Elec Ener (MWH)	0	95,438	3,248,888
19. Net Elec Ener (MWH)	-3,637	70,655	2,942,185
20. Unit Service Factor	.0	12.9	41.4
21. Unit Avail Factor	.0	12.9	41.4
22. Unit Cap Factor (MDC Net)	.0	4.2	20.0
23. Unit Cap Factor (DER Net)	.0	4.2	20.0
24. Unit Forced Outage Rate	100.0	59.7	40.7
25. Forced Outage Hours	744.0	979.5	12,656.5

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

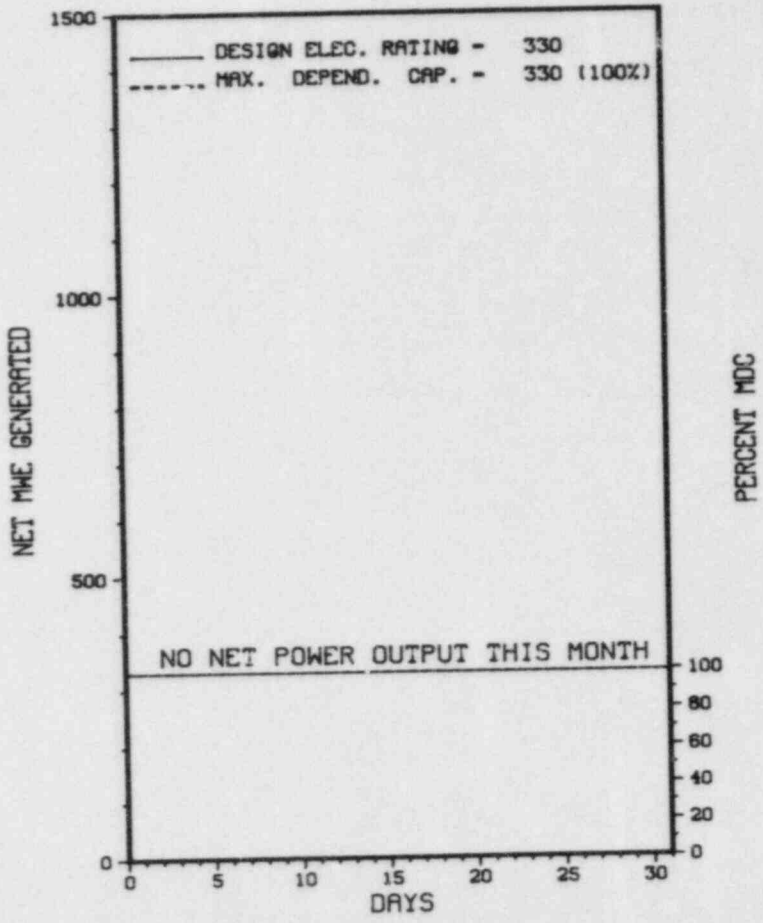
CONTROL ROD INVESTIGATION: 8/1/84 THRUGH 11/1/84

27. If Currently Shutdown Estimated Startup Date: 11/01/84

****
* FORT ST VRAIN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



JULY 1984

Report Period JUL 1984

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	9		AA	JC	CONTROL ROD DRIVE INVESTIGATION CONTINUES.

SUMMARY

FORT ST VRAIN REMAINS OFFLINE FOR MAINTENANCE 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)

****
* FORT ST VRAIN *
****

FACILITY DATA

Report Period JUL 1984

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED APRIL 30 - MAY 4, 1984 (84-12): ROUTINE, UNANNOUNCED INSPECTION OF QUALITY ASSURANCE PROGRAM ANNUAL REVIEW, TESTS AND EXPERI-MENTS PROGRAM, RECEIPT, STORAGE, AND HANDLING OF EQUIPMENT AND MATERIALS PROGRAM, RECORDS PROGRAM, DOCUMENT CONTROL PROGRAM, AND FIRE PROTECTION/ PREVENTION PROGRAM IMPLEMENTATION. WITHIN THE SIX AREAS INSPECTED, TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 1-30, 1984, (84-13): ROUTINE/REACTIVE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, SURVEILLANCE - REFUELING/MAINTENANCE, PLANT STARTUP FROM REFUELING, STARTUP TESTING - REFUELING, REVIEW OF PERIODIC AND SPECIAL REPORTS, AND IE BULLETIN FOLLOW UP. WITHIN THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. FIVE OPEN ITEMS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 1-31, 1984 (84-14): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VER-IFICATION, SURVEILLANCE, MAINTENANCE, PLANT STARTUP FROM REFUELING, STARTUP TESTING - REFUELING, INDEPENDENT INSPECTION, FOLLOWUP ON VIOLATIONS, REVIEW OF PERIODIC AND SPECIAL REPORTS, AND IE BULLETIN FOLLOW UP. WITHIN THE TEN AREAS INSPECTED, FIVE VIOLATIONS, ONE DEVIATION, ONE UNRESOLVED ITEM, AND FIVE OPEN ITEMS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 4-8, 1984 (84-15): ROUTINE, UNANNOUNCED INSPECTION OF THE COLLECTION, STORAGE, AND MAINTENANCE OF QA RECORDS FOR NUCLEAR POWER PLANTS. WITHIN THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 4-5, 1984 (84-16): SPECIAL UNANNOUNCED INSPECTION AND MEETING WITH PSC MANAGEMENT IN RESPONSE TO

****
* FORT ST VRAIN *
****

INSPECTION SUMMARY

OBSERVATIONS MADE BY AN NRC COMMISSIONER DURING AND FOLLOWING HIS VISIT TO THE FSV SITE ON MAY 21,1984. AREAS COVERED IN THE INSPECTION AND THE MANAGEMENT MEETING INCLUDED HOUSE-KEEPING, MAINTENANCE, CONTROL ROOM DISTRACITIONS. OPERATING PROCEDURES, SHIFT TURNOVER PROCEDURES, AND OPERATOR LICENSE RENEWALS. THE NRC INSPECTORS DETERMINED THAT THERE WAS A FUNDAMENTAL CONDITION OF POOR HOUSEKEEPING, INCLUDING HOUSEKEEPING DURING MAINTENANCE ACTIVITIES, AND THAT THIS CONDITION REQUIRED CORRECTION. THE INSPECTORS DETERMINED THAT CERTAIN MAINTENANCE AND MODIFICATION ACTIVITIES HAD NOT BEEN BROUGHT TO COMPLETION IN A TIMELY MANNER, AND THAT THIS REQUIRED CORRECTION. THE INSPECTORS DETERMINED THAT THERE WAS A POTENTIAL FOR SIGNIFICANT LICENSED OPERATOR DISTRACTIONS IN THE CONTROL ROOM AND THAT THESE REQUIRED CORRECTION. COMPLETION OF CORRECTIVE ACTIONS BY THE LICENSEE WILL BE DETERMINED THROUGH ADDITIONAL INSPECTIONS. WITHIN THE SIX AREAS INSPECTED, THERE WERE NO VIOLATIONS OR DEVIATIONS IN FIVE AREAS, AND IN ONE AREA THERE WAS ONE VIOLATION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ON JUNE 23, 1984, SIX CONTROL ROD PAIRS FAILED TO DROP INTO THE CORE DURING A REACTOR SCRAM. THE LICENSEE'S CALCULATIONS VERIFIED THAT COLD SHUTDOWN CONDITIONS WERE ACHIEVED AND MAINTAINED BEFORE MANUAL INSERTION OF THE SIX AFFECTED CONTROL ROD MECHANISMS WAS ACHIEVED. THE LICENSEE IS DEVELOPING AN INSPECTION PROGRAM TO DETERMINE THE BASIC CAUSE OF THE EVENT AND THE REQUIRED CORRECTIVE ACTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ON JUNE 23, 1984, AT 12:30 A.M. MDT, A PLANT PROTECTIVE SYSTEM (PPS) HIGH PRIMARY COOLANT PRESSURE TRIP SIGNAL RESULTED IN AN AUTOMATICE REACTOR SCRAM FROM APPROXIMATELY 23% REACTOR POWER. AS A RESULT OF THE FAILURE OF SIX CONTROL ROD PAIRS (OUT OF 37) TO PROPERLY INSERT ON RECEIPT OF THE TRIP SIGNAL, THE FORT ST. VRAIN REACTOR WILL BE MAINTAINED IN A SHUTDOWN, COOLED DOWN, DEPRESSURIZED (100PSIA) STATE UNTIL THE NRC NOTIFIES PSC THAT IT IS AUTHORIZED TO PROCEED TO A DIFFERENT STATUS.

LAST IE SITE INSPECTION DATE: JUNE 4-5, 1984

INSPECTION REPORT NO: 50-267/84-16

REPORTS FROM LICENSEE

FORT ST VRAIN

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006	5/4/84	6/26/84	OPERATORS BEGAN TO WITHDRAW CONTROL RODS TO ACHIEVE INITIAL CYCLE 4 CRITICALITY WHEN HIGH MOISTURE LEVELS IN THE PRIMARY COOLANT (HELIUM) WERE DETECTED BY THE PLANT PROTECTIVE SYSTEM MOISTURE MONITORING SYSTEM. LCO 4.4.1

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1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: ROBERT E. DODGE (315) 524-4446

4. Licensed Thermal Power (MWt): 1520

5. Nameplate Rating (Gross MWe): 608 X 0.85 = 517

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	128,687.0
13. Hours Reactor Critical	744.0	3,175.7	96,775.1
14. Rx Reserve Shtdwn Hrs	.0	56.2	1,687.7
15. Hrs Generator On-Line	744.0	3,107.3	94,618.6
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	1,123,896	4,493,832	130,751,201
18. Gross Elec Ener (MWH)	371,297	1,492,902	42,657,273
19. Net Elec Ener (MWH)	353,248	1,418,056	40,444,300
20. Unit Service Factor	100.0	60.8	73.5
21. Unit Avail Factor	100.0	60.8	73.5
22. Unit Cap Factor (MDC Net)	101.0	59.0	68.6*
23. Unit Cap Factor (DER Net)	101.0	59.0	68.6*
24. Unit Forced Outage Rate	.0	8.7	7.8
25. Forced Outage Hours	.0	296.[illegible]	4,099.0

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

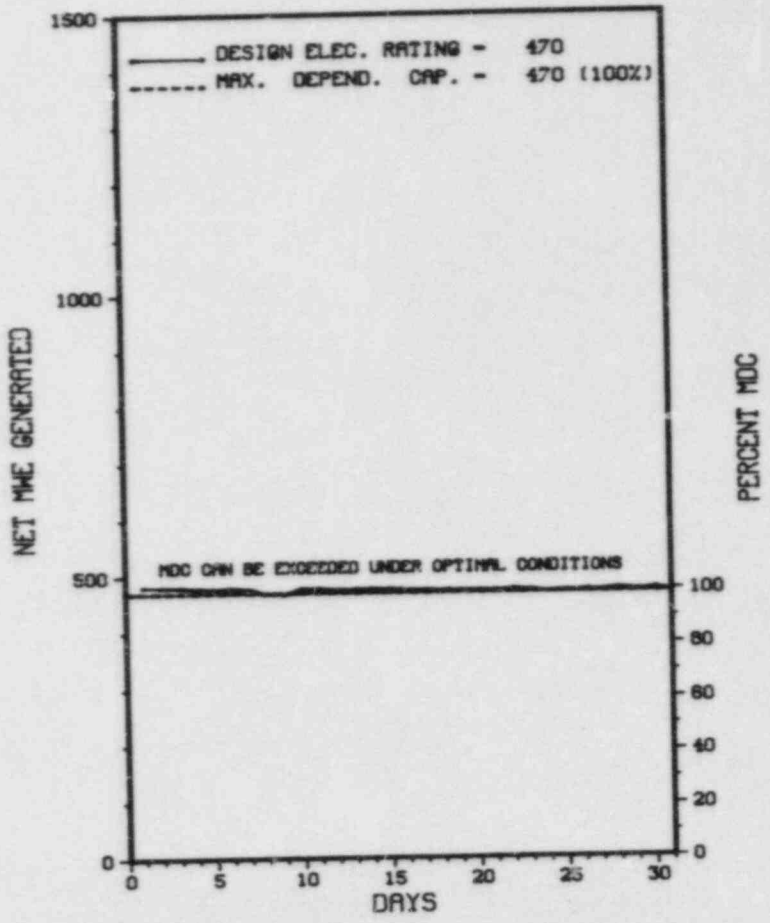
NONE

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

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

GINNA

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	07/08/84	F	0.0	A	5				LOAD REDUCTION TO 79% REACTOR POWER LEVEL AT THE REQUEST OF POWER CONTROL. ON THE BULK TRANSMISSION SYSTEM, EQUIPMENT FAILURE LED TO AN OVERLOADED FACILITY WHICH COULD ONLY BE CORRECTED BY REDUCED GENERATION.

SUMMARY

GINNA OPERATED WITH 1 REDUCTION IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* GINNA *
****

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

Report Period JUL 1984

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.....G. DICK
DOCKET NUMBER.....50-244

LICENSE & DATE ISSUANCE....DPR-18, SEPTEMBER 19, 1969

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):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-213 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: R.L. EPPINGER (203) 267-2556 X274
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600
6. Design Electrical Rating (Net MWe): 582
7. Maximum Dependable Capacity (Gross MWe): 596
8. Maximum Dependable Capacity (Net MWe): 569
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	145,367.0
13. Hours Reactor Critical	744.0	5,111.0	126,312.4
14. Rx Reserve Shtdwn Hrs	.0	.0	1,200.5
15. Hrs Generator On-Line	744.0	5,111.0	121,018.3
16. Unit Reserve Shtdwn Hrs	.0	.0	373.7
17. Gross Therm Ener (MWH)	1,086,170	8,856,153	210,228,713
18. Gross Elec Ener (MWH)	336,924	2,895,288	69,008,531
19. Net Elec Ener (MWH)	317,021	2,756,837	65,657,538
20. Unit Service Factor	100.0	100.0	83.3
21. Unit Avail Factor	100.0	100.0	33.5
22. Unit Cap Factor (MDC Net)	74.9	94.8	83.1*
23. Unit Cap Factor (DER Net)	73.2	92.7	77.3*
24. Unit Forced Outage Rate	.0	.0	5.9
25. Forced Outage Hours	.0	.0	1,158.0

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

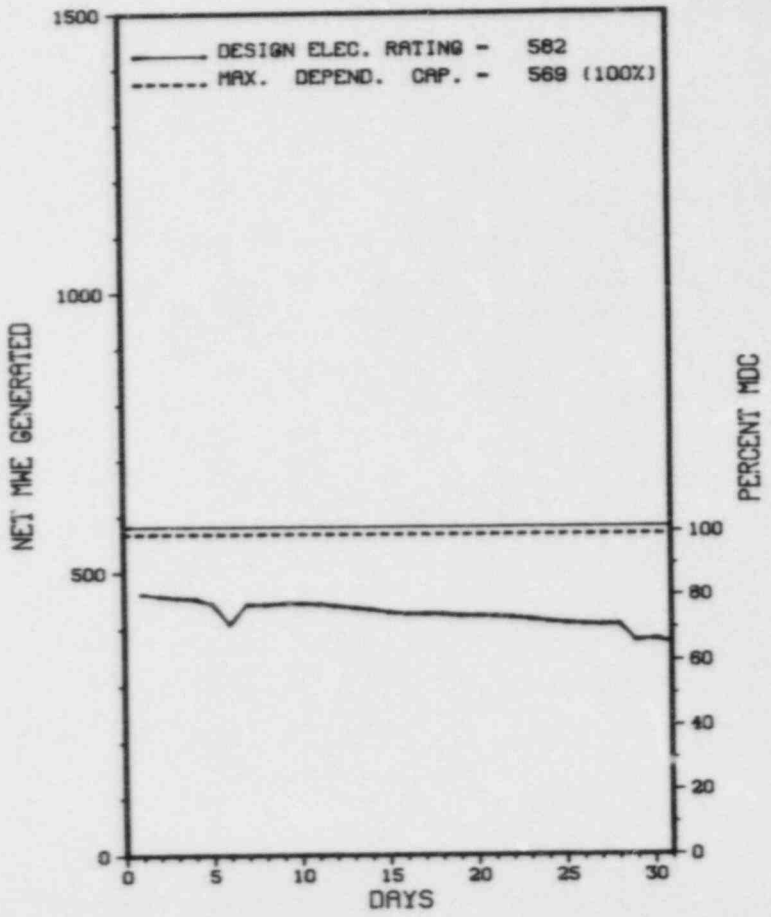
REFUELING: 8-1-84, 10 WEEKS

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

****
* HADDAM NECK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



JULY 1984

* Item calculated with a Weighted Average

Report P_iod JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* HADDAM NECK *
****

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

NONE

****
* SUMMARY *
****

"ADDAM NECK (CONNECTICUT YANKEE) OPERATED ROUTINELY DURING JULY.

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)

****
* HADDAM NECK *
****

FACILITY DATA

Report Period JUL 1984

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.....J. LYONS
DOCKET NUMBER.....50-213

LICENSE & DATE ISSUANCE....DPR-61, DECEMBER 27, 1974

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119 BROAD STREET
MIDDLETOWN, CONNECTITCUT 06457

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL AND CALIBRATE, HALON STORAGE BOTTLE AND REFUELING CAVITY LEVEL GAUGES IN ACCORDANCE WITH 10 CFR 50, APPENDIX B AND ANSI N18.7, 1976.

(8403 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: P. J. NORTH (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	744.0	5,111.0	75,239.0
13. Hours Reactor Critical	744.0	4,261.7	53,767.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,131.3	50,524.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,641,541	9,316,409	106,451,52[illegible]
18. Gross Elec Ener (MWH)	539,410	2,963,540	34,412,520
19. Net Elec Ener (MWH)	514,488	2,820,968	32,671,459
20. Unit Service Factor	100.0	80.8	67.2
21. Unit Avail Factor	100.0	80.8	67.2
22. Unit Cap Factor (MDC Net)	92.0	73.4	57.7
23. Unit Cap Factor (DER Net)	89.0	71.0	55.9
24. Unit Forced Outage Rate	.0	17.8	16.1
25. Forced Outage Hours	.0	895.1	9,505.0

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

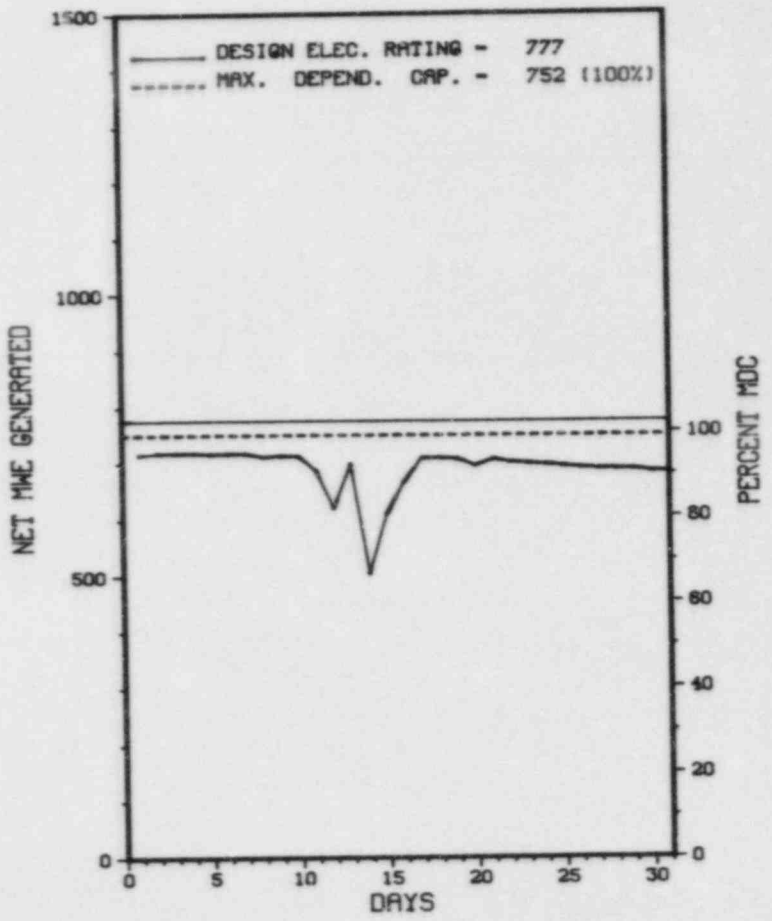
REFUELING: 10-1-84, 10 WEEK DURATION

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

****
* HATCH 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* HATCH 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-49	07/01/84	F	0.0	A	5		HA	TURBIN	13TH STAGE BUCKETS WERE DAMAGED AND OUT FOR THE DURATION OF JULY.
84-50	07/08/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING.
84-51	07/11/84	F	0.0	A	5		HF	PUMPXX	LOAD REDUCTION TO INVESTIGATE PROBLEMS WITH 1A CIRC WATER PUMP.
84-52	07/12/84	S	0.0	H	5		IB	INSTRU	POWER INCREASE DISCONTINUED TO ADJUST APRM GAINS.
84-53	07/12/84	S	0.0	H	5		IF	INSTRU	POWER INCREASE DISCONTINUED FOR P-1 RUN.
84-54	07/13/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING AND ROD PATTERN ADJUSTMENT.
84-55	07/14/84	S	0.0	H	5		RB	CONROD	ROD PATTERN ADJUSTMENT.
84-56	07/20/84	F	0.0	A	5		HF	HTEXCH	POWER REDUCTION TO COMPENSATE FOR 6 FANS TRIPPED ON "C" COOLING TOWER, 3 FANS TRIPPED ON "B" COOLING TOWER.
84-57	07/28/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING.
84-58	07/28/84	S	0.0	B	5		RB	CONROD	LOAD REDUCTION FOR CONTROL ROD EXERCISE.

****
* SUMMARY *
****

HATCH 1 OPERATED WITH NUMEROUS REDUCTIONS LISTED IN DETAIL ABOVE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* HATCH 1 *
****

FACILITY DATA

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.....R. CRLENJAK

LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-321

LICENSE & DATE ISSUANCE....DPR-57, OCTOBER 13, 1974

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 21 - JULY 20 (84-24): THIS INSPECTION INVOLVED 84 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 16-20 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TEST PROCEDURE NO. HNP-2-10183, INTEGRATED ECCS TEST II, REVIEW OF TEST PROCEDURE FOR THE ROD BLOCK MONITORING SYSTEM ARTS MODIFICATION FOR DCR 84-105, VERIFICATION OF AS-BUILTS, INDEPENDENT INSPECTION, REVIEW OF THE SNUBBER SURVEILLANCE PROGRAM, AND PLANT TOUR. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. INSPECTION JULY 16-20 (84-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION TRAINING, INTERNAL EXPOSURE, EXTERNAL EXPOSURE FOR RECIRCULATION PIPING REPLACEMENT, SOLID WASTE, TRANSPORTATION, LIQUID AND GASEOUS WASTES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO POST A RADIATION AREA.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO THE PROTECTED AREA.FAILURE TO CONTROL ACCESS TO THE PROTECTED AREA.
(8418 3)

ENFORCEMENT SUMMARY

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: JULY 10-13, 1984 +

INSPECTION REPORT NO: 50-321/84-27 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-005	07/20/84	08/14/84	CABLE SEPARATION, UNLANDED CABLES, AND OPEN LINKS, CAUSE DUE TO PERSONNEL ERROR AND INADEQUATE ADMINISTRATIVE CONTROLS.

1. Docket: 50-366 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: P. J. NORTH (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	744.0	5,111.0	43,008.0
13. Hours Reactor Critical	.0	308.2	27,547.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	308.2	26,241.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	726,912	56,293,208
18. Gross Elec Ener (MWH)	0	242,640	18,547,990
19. Net Elec Ener (MWH)	-3,414	218,343	17,636,585
20. Unit Service Factor	.0	6.0	61.0
21. Unit Avail Factor	.0	6.0	61.0
22. Unit Cap Factor (MDC Net)	.0	5.7	54.8
23. Unit Cap Factor (DER Net)	.0	5.4	52.3
24. Unit Forced Outage Rate	.0	.0	11.5
25. Forced Outage Hours	.0	.0	3,425.8

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

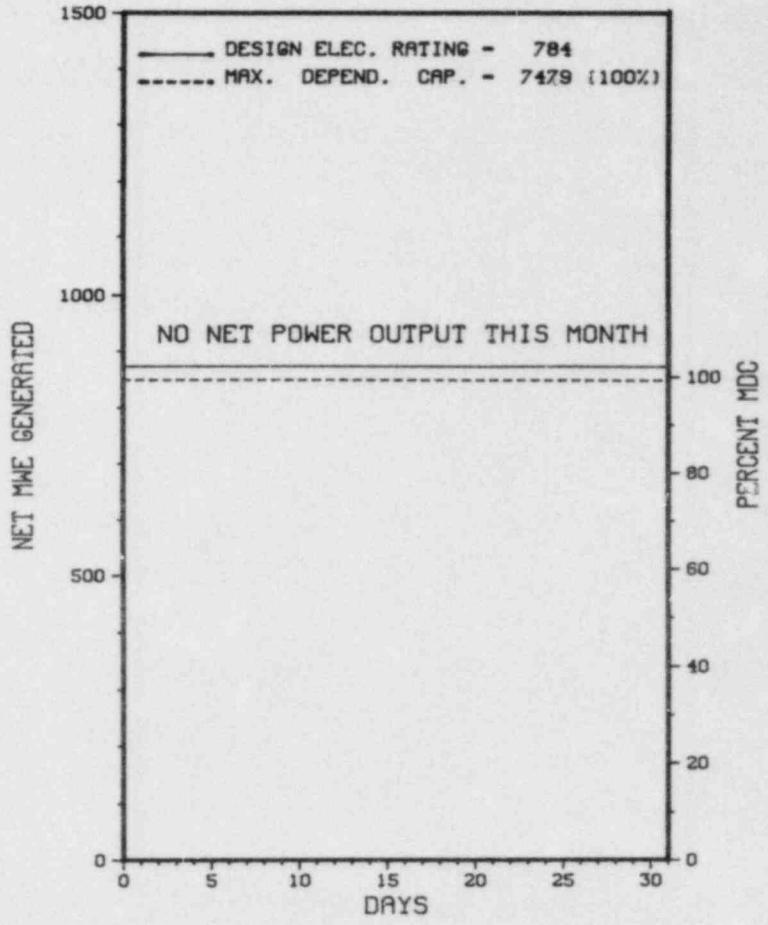
NONE

27. If Currently Shutdown Estimated Startup Date: 08/19/84

****
* HATCH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

HATCH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	01/13/84	S	744.0	H	4		CB	PIPEXX	RECIRC PIPE REPLACEMENT OUTAGE CONTINUES.

SUMMARY

NONE

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 & License Examination		5-Reduced Load	Licensee Event Report (LER) File (NUREG-0161)
			9-Other	

****
* HATCH 2 *
****

FACILITY DATA

Report Period JUL 1984

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.....R. CRLENJAK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 21 - JULY 20 (84-24): THIS INSPECTION INVOLVED 83 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 16-20 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED K34 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TEST PROCEDURE NO. HNP-2-10183, INTEGRATED ECCS TEST II, REVIEW OF TEST PROCEDURE FOR THE ROD BLOCK MONITORING SYSTEM ARTS MODIFICATION FOR DCR 84-105, VERIFICATION OF AS-BUILTS, INDEPENDENT INSPECTION, REVIEW OF THE SNUBBER SURVEILLANCE PROGRAM, AND PLANT TOUR. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. INSPECTION JULY 16-20 (84-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION TRAINING, INTERNAL EXPOSURE, EXTERNAL EXPOSURE FOR RECIRCULATION PIPING REPLACEMENT, SOLID WASTE, TRANSPORTATION, LIQUID AND GASEOUS WASTES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO POST A RADIATION AREA.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

RECIRCULATION PIPE REPLACEMENT IN PROGRESS.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN.

LAST IE SITE INSPECTION DATE: JULY 10-13, 1984 +

INSPECTION REPORT NO: 50-366/84-27 +

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
84-006	07/16/84	08/14/84	A CONTROL ROD HAD BEEN MOVED PRIOR TO DEMONSTRATING OPERATION OF THE HOIST'S LOADED INTERLOCK, A PROCEDURE REVISION WILL BE MADE.
84-009	07/11/84	08/10/84	THE PLANT HAD AN UNPLANNED LOGIC ACTUATION FOR MORE THAN ONE ENGINEERED SAFETY FEATURE, CAUSE WAS DUE TO A DEFECTIVE REVISION TO HNP-2-3191.

1. Docket: 50-247 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: E. EICH (914) 694-6000 @ I.P.
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

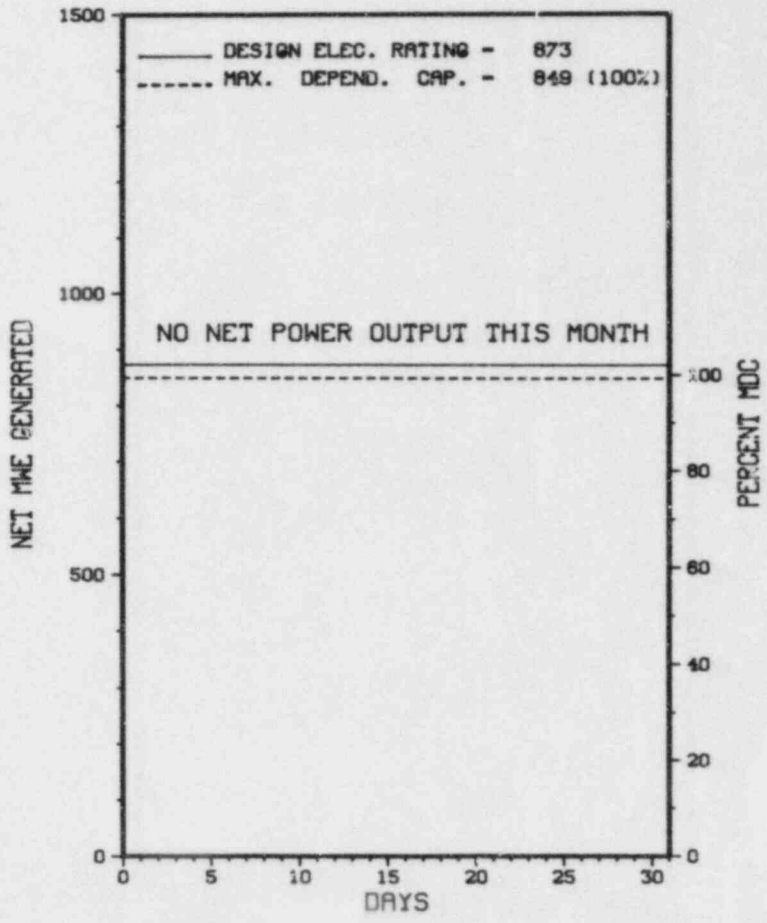
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	88,416.0
13. Hours Reactor Critical	.0	3,228.6	59,176.2
14. Rx Reserve Shtdwn Hrs	.0	.0	2,119.1
15. Hrs Generator On-Line	.0	3,204.7	57,400.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	8,228,228	149,268,727
18. Gross Elec Ener (MWH)	0	2,579,530	46,237,106
19. Net Elec Ener (MWH)	-1,459	1,867,570	43,494,662
20. Unit Service Factor	.0	62.7	64.9
21. Unit Avail Factor	.0	62.7	64.9
22. Unit Cap Factor (MDC Net)	.0	42.7	58.0*
23. Unit Cap Factor (DER Net)	.0	41.9	56.3
24. Unit Forced Outage Rate	.0	12.7	9.6
25. Forced Outage Hours	.0	466.5	5,842.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 09/15/84

****
* INDIAN POINT 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	06/02/84	S	744.0	C	4		RC	FUELXX	CYCLE 6/7 REFUELING OUTAGE CONTINUED FROM JUNE.

SUMMARY

INDIAN POINT 2 REMAINS OFFLINE IN A CONTINUING REFUELING OUTAGE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* INDIAN POINT 2 *
****

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

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 22, 1973

DATE ELEC ENER 1ST GENER...JUNE 26, 1973

DATE COMMERCIAL OPERATE....AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSOLIDATED EDISON

CORPORATE ADDRESS.....4 IRVING PLACE
NEW YORK, NEW YORK 10003

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. KOLTAY

LICENSING PROJ MANAGER.....P. POLK
DOCKET NUMBER.....50-247

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

PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO TAKE CORRECTIVE ACTION TO PRECLUDE THE RECURRENCE OF NONCONFORMANCES IN THE AREA OF STORAGE AND HANDLING OF SAFETY RELATED COMPONENTS.
(8403 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-286 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	69,432.0
13. Hours Reactor Critical	724.9	4,360.8	38,785.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	719.7	4,222.4	37,364.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,157,237	12,049,933	96,419,769
18. Gross Elec Ener (MWH)	699,090	3,942,525	30,309,136
19. Net Elec Ener (MWH)	673,567	3,794,888	29,039,066
20. Unit Service Factor	96.7	82.6	53.8
21. Unit Avail Factor	96.7	82.6	53.8
22. Unit Cap Factor (MDC Net)	93.8	76.9	43.3
23. Unit Cap Factor (DER Net)	93.8	76.9	43.3
24. Unit Forced Outage Rate	3.3	16.7	22.9
25. Forced Outage Hours	24.3	848.1	11,044.9

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

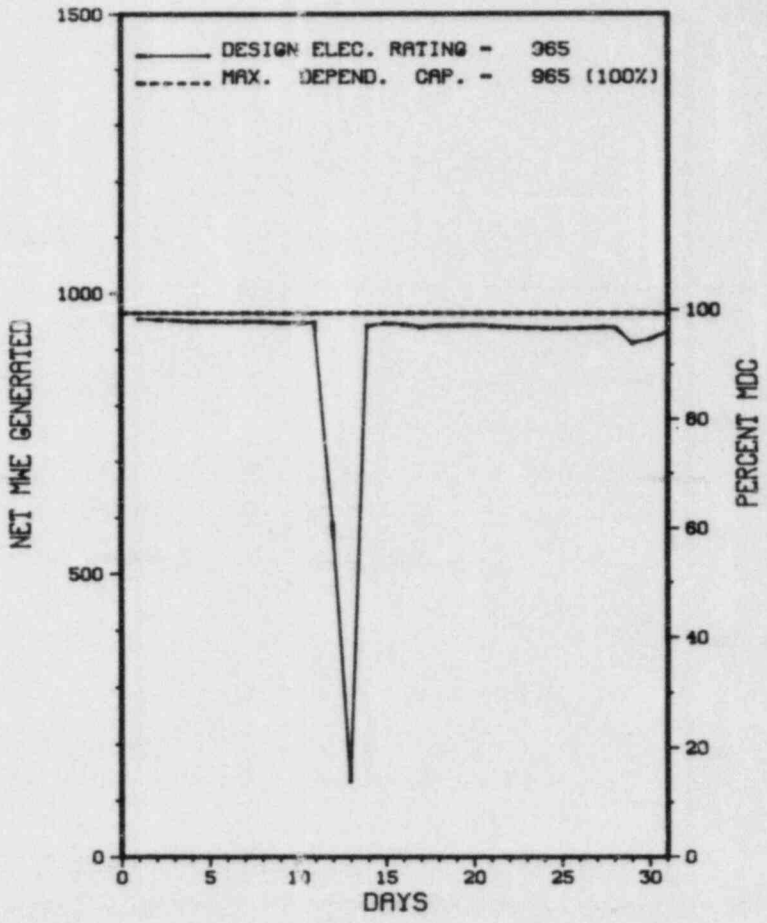
STEAM GENERATOR INSPECTION - 10/16/84 - 4 WEEKS

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

****
* INDIAN POINT 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* INDIAN POINT 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
09	07/12/84	F	24.3	A	3	84-011-00	EB	TRANSF	UNIT TRIP DUE TO BROKEN INSULATOR WHICH CAUSED THE 345 KV FEEDER W96 TO FAULT TO GROUND.

****
* SUMMARY *
****

INDIAN POINT 3 OPERATED WITH 1 OUTAGE DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* INDIAN POINT 3 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976

DATE ELEC ENER 1ST GENER...APRIL 27, 1976

DATE COMMERCIAL OPERATE....AUGUST 30, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.

CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. KENNY

LICENSING PROJ MANAGER.....P. POLK
DOCKET NUMBER.....50-286

LICENSE & DATE ISSUANCE....DPR-64, APRIL 5, 1976

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100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* 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.

REPORTS FROM LICENSEE

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: 07/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1650

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	88,776.0
13. Hours Reactor Critical	739.8	3,897.5	75,077.6
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	736.6	3,855.4	73,667.9
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MWH)	1,199,335	6,079,531	115,050,617
18. Gross Elec Ener (MWH)	398,400	2,007,400	37,865,500
19. Net Elec Ener (MWH)	379,308	1,911,913	36,043,949
20. Unit Service Factor	99.0	75.4	83.0
21. Unit Avail Factor	99.0	75.4	83.0
22. Unit Cap Factor (MDC Net)	101.4	74.4	78.1*
23. Unit Cap Factor (DER Net)	95.3	69.9	75.9
24. Unit Forced Outage Rate	1.0	.4	3.7
25. Forced Outage Hours	7.4	15.7	2,745.4

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

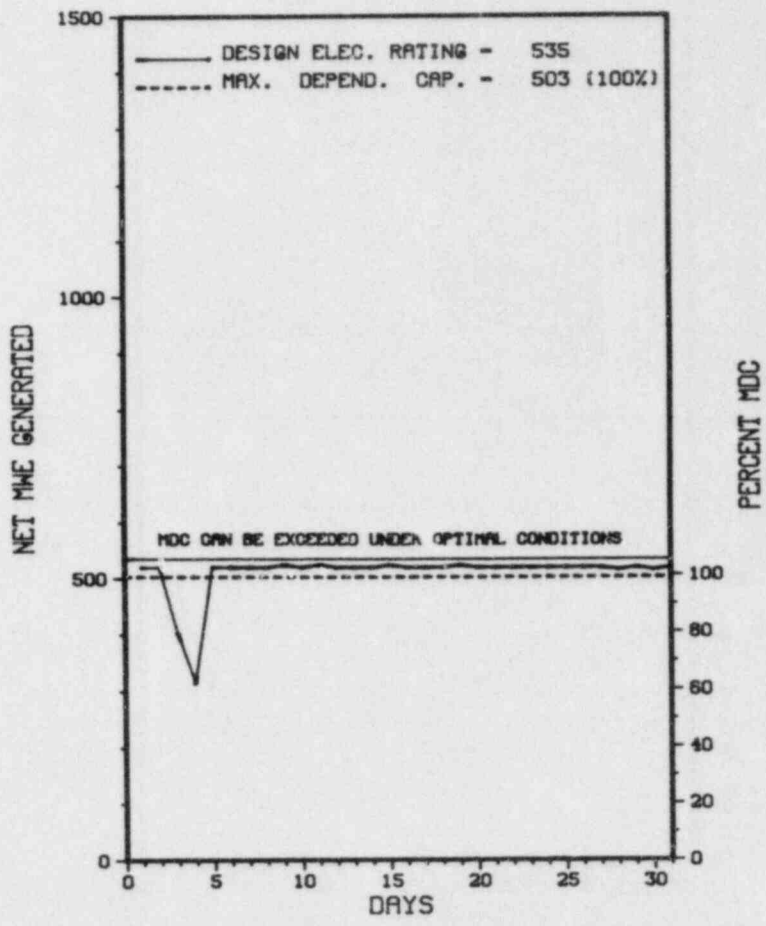
NONE

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

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* KEWAUNEE *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/03/84	F	7.4	A	3	84-14	ED	INSTRU	AN INSTRUMENT BUS INVERTER FAILED CAUSING LOW VOLTAGE ON ONE INSTRUMENT BUS; THIS RESULTED IN A REACTOR /TURBINE TRIP ON LOW STEAM GENERATOR LEVEL COINCIDENT WITH FEED FLOW / STEAM FLOW MISMATCH.

****
* SUMMARY *
****

KEWAUNEE OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE DURING JULY.

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-Otner	(LER) File (NUREG-0161)

****
* KEWAUNEE *
****

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

Report Period JUL 1984

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

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

INSPECTION SUMMARY

INSPECTION ON APRIL 16 - JUNE 15, (84-04): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION; IE BULLETINS; PLANT STARTUP FROM REFUELING TYPE B&C LEAK RATE TESTING; TMI-2 ITEMS; AND RESPONSE TO REGIONAL REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 135 INSPECTOR HOURS BY ONE INSPECTOR INCLUDING 26 INSPECTOR HOURS ONSITE DUEING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 7-11, (84-06): INCLUDED A REVIEW OF SITE ORGANIZATION, SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND ALARM STATIONS AND COMMUNICATIONS. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS BY TWO NRC INSPECTORS. TWENTY OF THE 74 INSPECTOR-HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THIS INSPECTION BEGAN DURING AN OFF-SHIFT PERIOD. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEMS: PHYSICAL BARRIERS - VITAL AREAS: A PORTION OF THE VITAL AREA BARRIER WAS INADEQUATE. ACCESS CONTROL - PACKAGES: SOME PACKAGES WERE INADEQUATELY SEARCHED. IN ADDITION, TWO WEAKNESSES IN THE LICENSEE'S SECURITY PROGRAM WERE IDENTIFIED.

****
* KEWAUNEE *
****

ENFORCEMENT SUMMARY

THE LICENSEE FAILED TO ADEQUATELY SECURE A VITAL AREA BARRIER. THE LICENSEE FAILED TO ADEQUATELY SEARCH SOME HAND-CARRIED PACKAGES.
(8406 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: AUGUST 1-3, 1984

INSPECTION REPORT NO: 84-11

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
84-12	06/28/84	07/27/84	INADVERTANT INITIATION OF AUX. BLDG SPECIAL VENT.

1. Docket: 50-409 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: G. R. GADOW (608) 689-2331
4. Licensed Thermal Power (MWt): 165
5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65
6. Design Electrical Rating (Net MWe): 50
7. Maximum Dependable Capacity (Gross MWe): 50
8. Maximum Dependable Capacity (Net MWe): 48
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	129,290.0
13. Hours Reactor Critical	423.4	4,214.8	84,959.2
14. Rx Reserve Shtdwn Hrs	.0	.0	478.0
15. Hrs Generator On-Line	368.9	3,962.2	78,798.5
16. Unit Reserve Shtdwn Hrs	.0	.0	79.0
17. Gross Therm Ener (MWH)	55,886	598,209	10,880,513
18. Gross Elec Ener (MWH)	17,258	190,204	3,247,432
19. Net Elec Ener (MWH)	15,882	179,072	3,006,307
20. Unit Service Factor	49.6	77.5	60.9
21. Unit Avail Factor	49.6	77.5	61.0
22. Unit Cap Factor (MDC Net)	44.5	73.0	48.4
23. Unit Cap Factor (DER Net)	42.7	70.1	46.5
24. Unit Forced Outage Rate	50.4	19.2	10.0
25. Forced Outage Hours	375.1	942.6	7,785.9

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

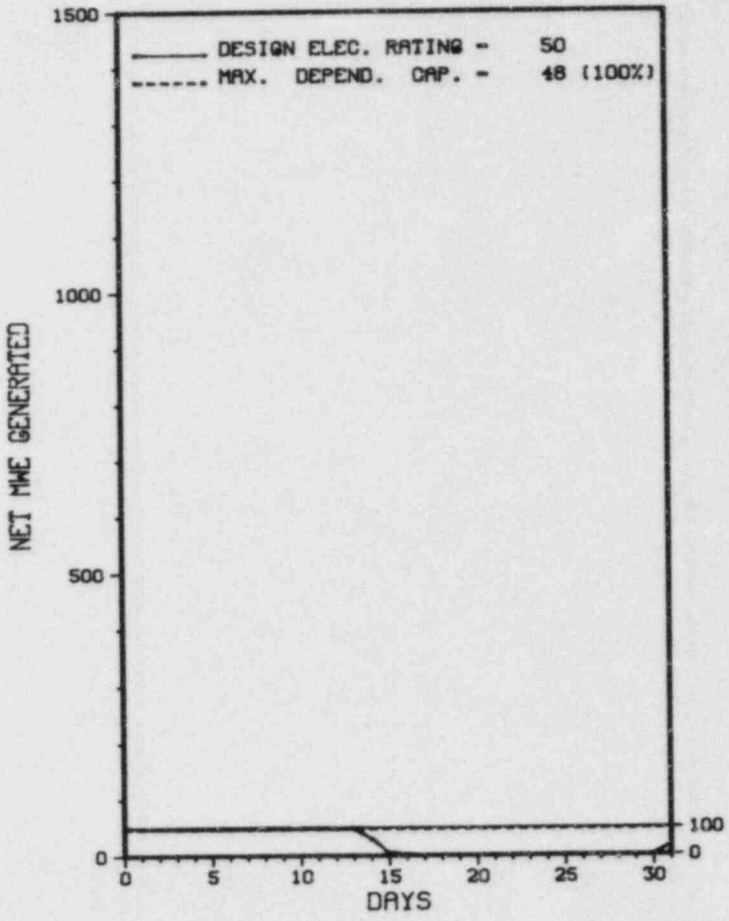
REFUELING, NOVEMBER 1, 1984, 6 WEEKS

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

****
* LA CROSSE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



JULY 1984

Report P od JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* LA CROSSE *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-05	07/14/84	F	23.8	A	1		WB	VALVEX	SEAL INJECT FLOW TO THE CONTROL ROD DRIVE MECHANISMS DECREASED AND THE FLOW CONTROL VALVE DID NOT CONTROL FLOW. THE REACTOR WAS SHUTDOWN IN ORDER TO ISOLATE AND FLUSH THE CRD SEAL INJECTION HEADER. THIS ACTION RESTORED FLOW CONTROL.
84-06	07/16/84	F	351.3	A	1	84-010	RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN TO PERFORM MAINTENANCE ON CONTROL ROD DRIVE MECHANISM NO. 13, WHICH WOULD NOT WITHDRAW BEYOND 44 INCHES. DURING THE SHUTDOWN, ROD 29 WOULD NOT INSERT. MAINTENANCE AND INSPECTIONS WERE PERFORMED ON SEVERAL CRDM'S DURING THE SHUTDOWN.

****
* SUMMARY *
****

LA CROSSE OPERATED WITH 2 OUTAGES DUE TO EQUIPMENT FAILURE.

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

****
* LA CROSSE *
****

FACILITY DATA

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 18-19, (84-06): ROUTINE, ANNOUNCED INSPECTION OF THE LACROSSE BOILING WATER REACTOR EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATION BY SIX NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 56 INSPECTOR HOURS ONSITE BY THREE NRC INSPECTORS AND THREE CONSULTANTS. ALTHOUGH NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED, THREE EXERCISE WEAKNESSES WERE IDENTIFIED.

INSPECTION ON MAY 12 THROUGH JUNE 18, (84-14; 84-18): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY MAINTENANCE; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING;

ENFORCEMENT SUMMARY

10 CFR PART 50.54(Q) STATES IN PART: "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. 10 CFR PART 50.47(B)(7) STATES IN PART: "INFORMATION IS MADE AVAILABLE TO THE PUBLIC ON A PERIODIC BASIS.... 10 CFR PART 50, APPENDIX E, PARAGRAPH IV.D.2 STATES IN PART: "SIGNS OR OTHER MEASURES SHALL ALSO BE USED TO DISSEMINATE TO ANY TRANSIENT POPULATION WITHIN THE PLUME EXPOSURE PATHWAY EPZ APPROPRIATE INFORMATION THAT WOULD BE HELPFUL IF AN ACCIDENT OCCURS. SECTION

ENFORCEMENT SUMMARY

1.1.2 OF CHAPTER B OF THE EMERGENCY PLAN STATES IN PART: "DPC HAS ALSO PLACED BROCHURES AT PUBLIC BOAT LANDINGS AND COMMERCIAL ESTABLISHEMENTS FREQUENTED BY TRANSIENT POPULATIONS... SECTIONS OF THESE BROCHURES WILL BE REPRODUCED IN POSTER OR PUBLIC NOTICE FORM, ON WEATHER RESISTANT MATERIAL, SO THAT THIS INFORMATION CAN BE PLACED AT WAYSIDES, TOURIST STOPS, LOOKOUTS, AND OTHER POINTS OF PUBLIC INTEREST." CONTRARY TO THE ABOVE, NO SIGNS OR OTHER MEASURES TO PERIODICALLY DISSEMINATE INFORMATION TO THE TRANSIENT POPULATION HAVE BEEN PROVIDED TO AT THE BOAT LANDINGS, WAYSIDES, TOURIST STOPS, LOOKOUTS OR OTHER POINTS OF PUBLIC INTEREST. (8405 4)

10 CFR PART 50, APPENDIX E, PARAGRAPH IV.E.9 STATES IN PART: "ALL COMMUNICATION PLANS SHALL HAVE ARRANGEMENTS FOR EMERGENCIES... WHERE CONSISTENT WITH THE FUNCTION OF THE GOVERNMENTAL AGENCY, THESE ARRANGEMENTS WILL INCLUDE: A. PROVISION FOR COMMUNICATIONS WITH CONTIGUOUS STATE/LOCAL GOVERNMENTS WITHIN THE PLUME EXPOSURE PATHWAY EPZ. SUCH COMMUNICATIONS SHALL BE TESTED MONTHLY." CONTRARY TO THE ABOVE, PRIOR TO MARCH 1984 THE COMMUNICATIONS LINKS FROM THE LACBWR FACILITY TO THE STATE OF MINNESOTA AND HOUSTON COUNTY IN MINNESOTA WERE NOT BEING TESTED MONTHLY. HOWEVER, A REVISED PROCEDURE (EPP-3, ISSUE 3) WAS APPROVED AND PUT INTO EFFECT ON MARCH 5, 1984 THAT SPECIFIES THAT THESE MONTHLY COMMUNICATION CHECKS SHOULD BE MADE. PROPER IMPLEMENTATION OF THIS PROCEDURE SHOULD PRECLUDE THIS NONCOMPLIANCE FROM RECURRING. TECHNICAL SPECIFICATION 6.8.1 STATES IN PART: "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING...EMERGENCY PLAN IMPLEMENTATION." TECHNICAL SPECIFICATION 6.8.2 STATES IN PART: "EACH PROCEDURE OF 6.8.1...SHALL BE...REVIEWED PERIODICALLY AS SET FORTH IN ADMINISTRATIVE PROCEDURES." IN ADDITION, ADMINISTRATIVE CONTROL PROCEDURE 07.1, ISSUE 15, STATES IN PART: "WHENEVER THE LATEST ISSUE OF ANY PROCEDURE BECOMES TWO YEARS OLD, THE SUPERVISOR OR HEAD OF THE DEPARTMENT, WHOSE ACTIVITIES ARE CONTROLLED BY THE PROCEDURE, SHALL REVIEW OR HAVE THE PROCEDURE REVIEWED FOR ADEQUACY AND CURRENCY...". CONTRARY TO THE ABOVE, EPP-11, WHICH WAS UNDERGOING REVIEW AT THE TIME OF THE INSPECTION, HAD LAST BEEN REVIEWED IN APRIL 1981.

10 CFR PART 50.54(Q) STATES IN PART: "A LICENSEE AUTHORIZED TO POSSESS AND/OR OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS IN 50.47(B) OF THIS PART AND THE REQUIREMENTS IN APPENDIX E TO THIS PART. 10 CFR PART 50, APPENDIX E, PARAGRAPH IV.F STATES IN PART: "THIS SHALL INCLUDE A DESCRIPTION OF SPECIALIZED INITIAL TRAINING AND PERIODIC RETRAINING PROGRAMS TO BE PROVIDED TO EACH OF THE FOLLOWING CATEGORIES OF EMERGENCY PERSONNEL: ...E. REPAIR AND DAMAGE CONTROL TEAMS...I. SECURITY PERSONNEL." CONTRARY TO THE ABOVE, THE LACBWR EMERGENCY PLAN DOES NOT CONTAIN A DESCRIPTION OF SPECIALIZED INITIAL TRAINING AND PERIODIC RETRAINING PROGRAMS FOR REPAIR AND DAMAGE CONTROL TEAMS AND SECURITY PERSONNEL. (8405 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: JULY 17-25, 1984

OTHER ITEMS

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-07	05/29/84	06/27/84	REACTOR SCRAM DUE TO HI POWER/RECIRC. FLOW SIGNAL.
84-08	06/09/84	07/05/84	EMERG. SERVICE WATER SUPPLY SYSTEM SUCTION HOSE HYDRO FAILURE.
84-09	06/11/84	07/10/84	LACK OF HOURLY FIRE PATROL WHILE FIRE DOOR WAS OPEN.

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1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DIANA L. LIN (815) 357-6761 X481

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): 1078

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	5,111.0
13. Hours Reactor Critical	744.0	4,001.8	4,001.8
14. Rx Reserve Shtdwn Hrs	.0	1,076.3	1,076.3
15. Hrs Generator On-Line	744.0	3,841.7	3,841.7
16. Unit Reserve Shtdwn Hrs	.0	1.0	1.0
17. Gross Therm Ener (MWH)	2,328,797	17,038,940	17,038,940
18. Gross Elec Ener (MWH)	756,661	3,569,784	3,569,784
19. Net Elec Ener (MWH)	725,819	3,402,863	3,402,863
20. Unit Service Factor	100.0	75.2	75.2
21. Unit Avail Factor	100.0	75.2	75.2
22. Unit Cap Factor (MDC Net)	90.5	61.8	61.8
23. Unit Cap Factor (DER Net)	90.5	61.8	61.8
24. Unit Forced Outage Rate	.0	20.7	20.7
25. Forced Outage Hours	.0	1,005.4	1,005.4

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

SURVEILLANCES & INSPECTIONS: 10/01/84 - 4 WEEKS

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

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* LASALLE 1 *
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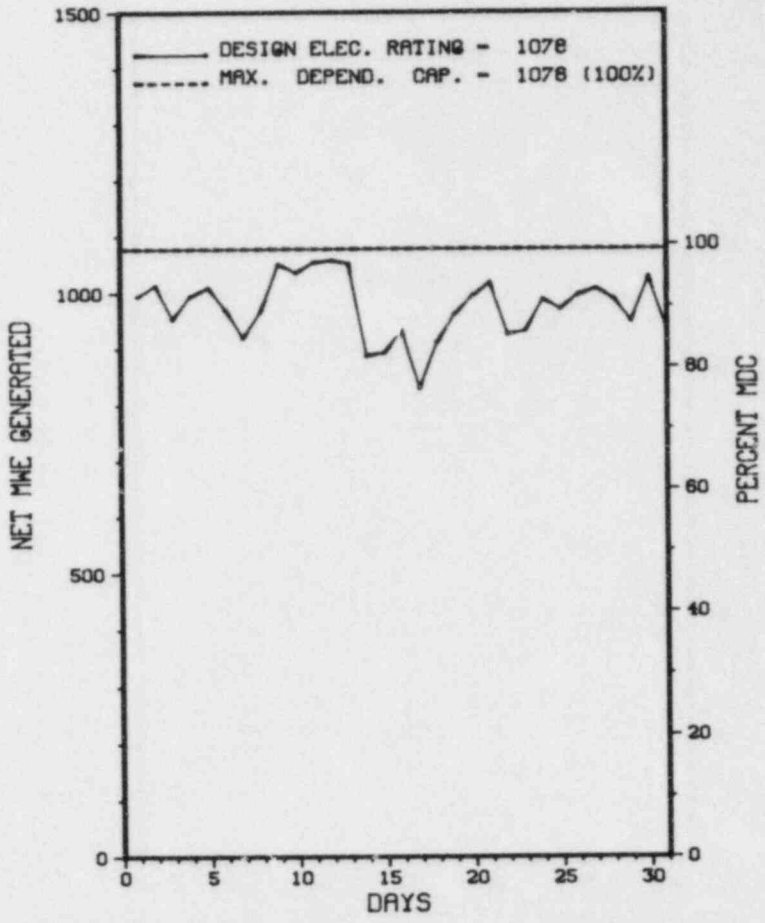
AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 1

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

SUMMARY

LASALLE 1 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* LASALLE 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LA SALLE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 21, 1982

DATE ELEC ENER 1ST GENER...SEPTEMBER 4, 1982

DATE COMMERCIAL OPERATE....JANUARY 1, 1984

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 12 THROUGH JUNE 18, (84-14): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY MAINTENANCE; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; FOLLOWUP ON REGIONAL REQUESTS; I.E. BULLETINS; REVIEW OF PERIODIC AND SPECIAL REPORTS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 30 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. IN THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO CONTROL ACCESS TO HIGH RADIATION AREA; FAILURE TO FOLLOW PROCEDURES).

INSPECTION ON JUNE 18-22, (84-16): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - PERSONNEL; RECORDS AND REPORTS, PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. ONE PREVIOUS ITEM OF NONCOMPLIANCE WAS CLOSED.

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: AUGUST 21-24, 1984

INSPECTION REPORT NO: 84-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-31	06/15/84	07/06/84	REACTOR WATER CLEANUP ISO. ON PUMP ROOM DIFFERENTIAL TEMPERATURE.
84-32	06/12/84	07/06/84	REACTOR WATER CLEANUP HI DIFFERENTIAL FLOW ISO.
84-33	06/24/84	07/18/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISO.
84-34	06/17/84	07/13/84	UNSECURED HI RAD. AREA DOOR.
84-35	06/19/84	07/16/84	OB DIESEL FIRE PUMP FLYWHEEL.
84-36	06/14/84	07/12/84	UNSECURED HI RAD. DOOR.
84-37	06/21/84	07/16/84	OA DIESEL FIRE PUMP FLYWHEEL.
84-38	06/22/84	07/17/84	UNSEALED FIRE PENETRATION/SLEEVE.
84-39	06/24/84	07/18/84	SCRAM ON LOW REACTOR WATER LEVEL.
84-40	06/25/84	07/19/84	SPURIOUS REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISO.

REPORTS FROM LICENSEE - (CONTINUED)

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* LASALLE 1 *
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84-41	06/28/84	07/23/84	MECHANICAL FIRE PENETRATIONS.
84-43	06/27/84	07/25/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISO.

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1. Docket: 50-374 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: RANDY S. DUS (815) 357-6761
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1078
6. Design Electrical Rating (Net MWe): 1078
7. Maximum Dependable Capacity (Gross MWe): 1078
8. Maximum Dependable Capacity (Net MWe): 1036
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,453.9	2,453.9
13. Hours Reactor Critical	608.0	1,945.8	1,945.8
14. Rx Reserve Shtdwn Hrs	136.0	508.1	508.1
15. Hrs Generator On-Line	566.5	1,704.9	1,704.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,324,810	2,805,490	2,805,490
18. Gross Elec Ener (MWH)	400,934	777,450	777,450
19. Net Elec Ener (MWH)	382,416	730,509	730,509
20. Unit Service Factor		NOT IN	
21. Unit Avail Factor		COMMERCIAL	
22. Unit Cap Factor (MDC Net)		OPERATION	
23. Unit Cap Factor (DER Net)			
24. Unit Forced Outage Rate			
25. Forced Outage Hours	.0	255.5	255.5

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

NONE

27. If Currently Shutdown Estimated Startup Date: 08/01/84

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* LASALLE 2 *
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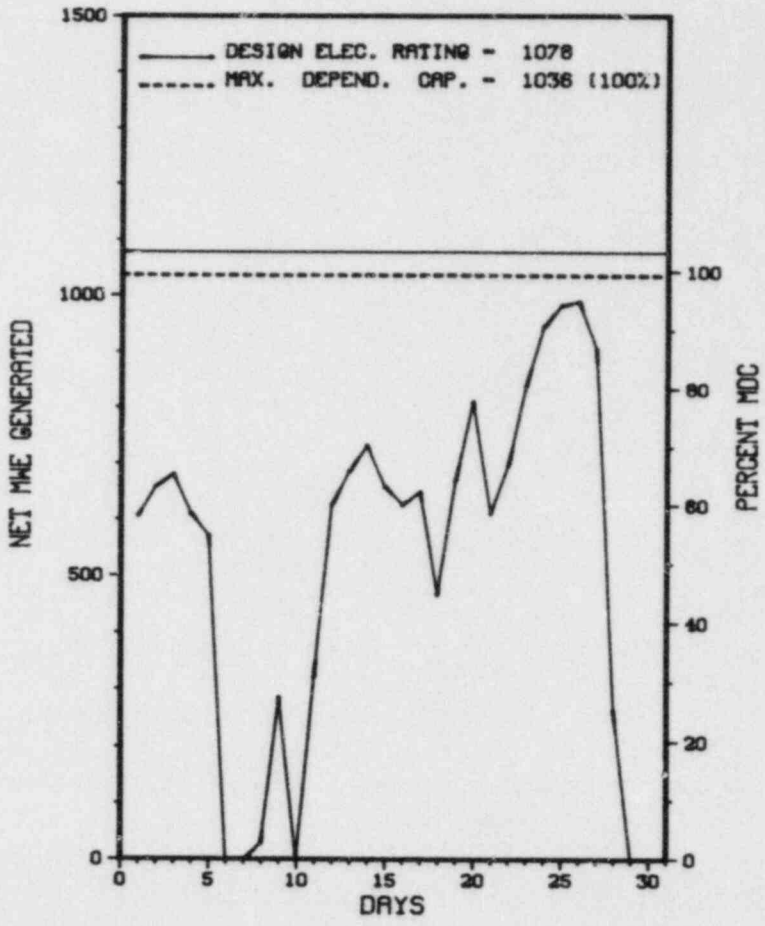
AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
21	07/06/84	S	68.8	B	2				TURBINE/GENERATOR MANUALLY TRIPPED AND REACTOR SHUTDOWN PER STP-27-2
AUTO	07/09/84	S	33.9	B	2				UNIT SHUTDOWN TO TROUBLESHOOT PROBLEM WITH TURBINE/ GENERATOR INTERCEPT VALVE.
23	07/21/84	S	0.0	H	5				POWER REDUCTION FOR FLUX SHAPING.
24	07/28/84	S	74.8	B	2				UNIT SHUTDOWN TO REPAIR STEAM LEAKS ON THE MOISTURE SEPARATOR REHEATER.

SUMMARY

LA SALLE 2 SHUTDOWN ON JULY 28TH FOR 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

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* LASALLE 2 *
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FACILITY DATA

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....**********

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-374

LICENSE & DATE ISSUANCE....NPF-18, MARCH 23, 1984

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 12 THROUGH JUNE 18, (84-18): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY MAINTENANCE; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; FOLLOWUP ON REGIONAL REQUESTS; I.E. BULLETINS; REVIEW OF PERIODIC AND SPECIAL REPORTS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 210 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 30 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. IN THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO CONTROL ACCESS TO HIGH RADIATION AREA; FAILURE TO FOLLOW PROCEDURES).

INSPECTION ON JUNE 18-22, (84-20): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - PERSONNEL; RECORDS AND REPORTS, PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. ONE PREVIOUS ITEM OF NONCOMPLIANCE WAS CLOSED.

INSPECTION ON JUNE 19 THROUGH 29, (84-21): ROUTINE, UNANNOUNCED INSPECTION OF STARTUP TEST RESULTS REVIEW AND FOLLOWUP OF PREVIOUSLY OPENED ITEMS. THE INSPECTION INVOLVED A TOTAL OF 79 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS AND INCLUDING 11 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 6 THROUGH 22, (84-23): SPECIAL INSPECTION BY THE RESIDENT INSPECTOR OF ACTIVITIES SURROUNDING THE BYPASSING OF

****
* LASALLE 2 *
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INSPECTION SUMMARY

THE TEMPERATURE ISOLATION FUNCTIONS FOR THE REACTOR WATER CLEANUP SYSTEM, AND A RESULTING ENFORCEMENT CONFERENCE HELD ON JUNE 22, 1984. THE INSPECTION INVOLVED A TOTAL OF 10 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED FOR VIOLATING TECHNICAL SPECIFICATIONS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

STARTUP TESTING.

LAST IE SITE INSPECTION DATE: AUGUST 21-24, 1984

INSPECTION REPORT NO: 84-27

REPORTS FROM LICENSEE

LASALLE 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-25	06/06/84	06/21/84	REACTOR SCRAM.
84-26	06/09/84	07/02/84	RWCU HI DIFF. TEMP. PUMP RROM AND HX ROOM ISO.
84-27	06/04/84	06/28/84	LOSS OF REACTOR WATER CLEANUP ISO. LEAK DETECTION.
84-28	06/17/84	07/05/84	REACTOR WATER CLEANUP HI AMBIENT TEMP ISO.
84-29	06/11/84	07/05/84	REACTOR WATER CLEANUP HI DIFF. FLOW ISO.
84-30	06/15/84	07/09/84	HPCS DISCHARGE RELIEF VALVE FAILURE.
84-31	06/22/84	07/16/84	REACTOR CLEANUP DIFF. TEMP. ISO.
84-32	06/26/84	07/19/84	REACTOR WATER CLEANUP ISOLATION.
84-33	06/08/84	07/23/84	FAILURE OF ISOLATION VALVE TO CLOSE.
84-34	07/03/84	07/24/84	HI RAD. AREA UNSECURED AND UNPOSTED.
84-35	07/09/84	07/24/84	SCRAM ON REACTOR VESSEL HI PRESSURE.

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1. Docket: 50-309 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: S. BIEMILLER (617) 827-8100
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	744.0	5,111.0	102,803.6
13. Hours Reactor Critical	744.0	3,106.4	81,717.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,988.0	79,067.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,862,187	7,158,987	176,270,775
18. Gross Elec Ener (MWH)	613,180	2,337,420	57,690,570
19. Net Elec Ener (MWH)	592,887	2,254,875	54,956,577
20. Unit Service Factor	100.0	58.5	76.9
21. Unit Avail Factor	100.0	58.5	76.9
22. Unit Cap Factor (MDC Net)	98.4	54.5	68.1*
23. Unit Cap Factor (DER Net)	96.6	53.5	66.2*
24. Unit Forced Outage Rate	.0	2.7	7.5
25. Forced Outage Hours	.0	83.8	5,497.2

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

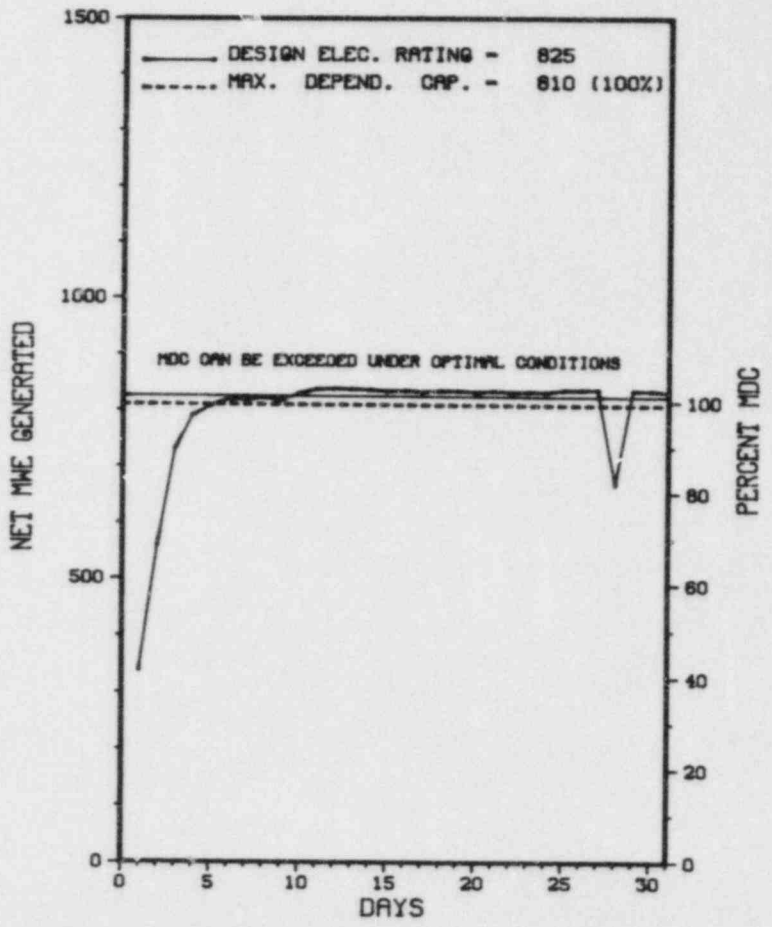
NONE

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

****
* MAINE YANKEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

MAINE YANKEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	07/28/84	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR ROUTINE TURBINE VALVE TESTING AND MUSSEL CONTROL.

SUMMARY

MAINE YANKEE OPERATED WITH 1 REDUCTION FOR TESTING IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* MAINE YANKEE *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE

COUNTY.....LINCOLN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 23, 1972

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

DATE COMMERCIAL OPERATE....DECEMBER 28, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BACK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER

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

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. HOLDEN

LICENSING PROJ MANAGER.....K. HEITNER
DOCKET NUMBER.....50-309

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* MAINE YANKEE *
****

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-8552
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	744.0	5,111.0	23,375.0
13. Hours Reactor Critical	698.3	3,374.7	15,903.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	695.4	3,315.4	15,264.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,319,518	10,693,268	38,130,337
18. Gross Elec Ener (MWH)	802,409	3,745,376	13,262,500
19. Net Elec Ener (MWH)	771,332	3,582,496	12,538,751
20. Unit Service Factor	93.5	64.9	65.3
21. Unit Avail Factor	93.5	64.9	65.3
22. Unit Cap Factor (MDC Net)	87.9	59.4	45.5
23. Unit Cap Factor (DER Net)	87.9	59.4	45.5
24. Unit Forced Outage Rate	6.5	5.0	17.6
25. Forced Outage Hours	48.6	174.9	3,260.4

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

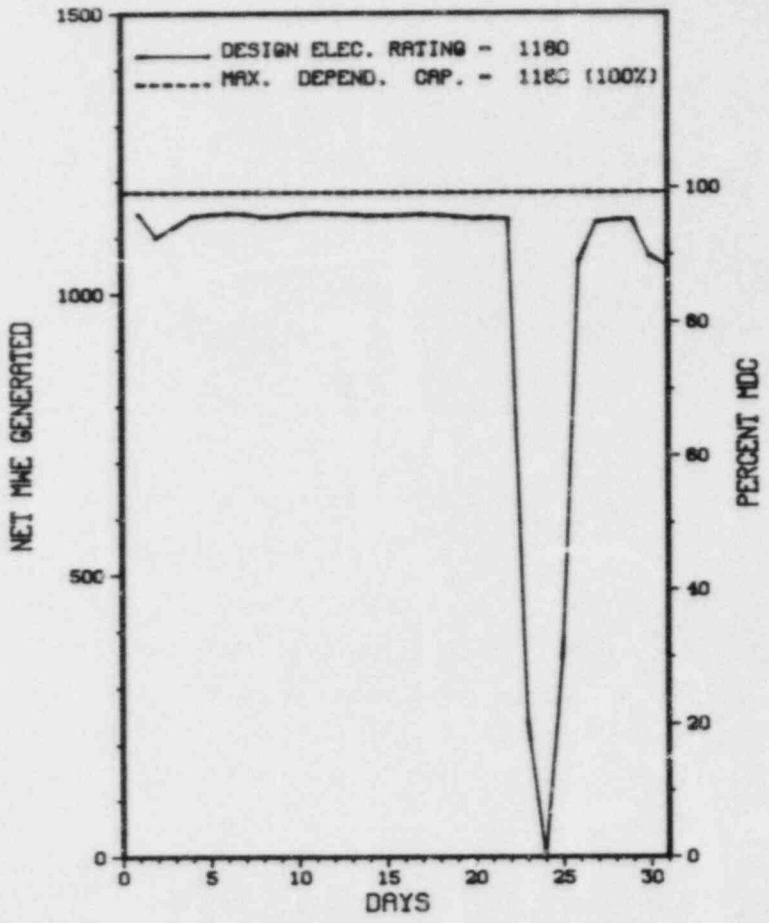
NONE

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

****
* MCGUIRE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* MCGUIRE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
26P	07/01/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
27P	07/02/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
28P	07/03/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
7	07/23/84	F	9.7	A	3		CC	VALVEX	MAIN FEEDWATER ISOLATION VALVE FAILED CLOSED.
7A	07/23/84	F	38.9	A	2		CH	VALVEX	REPAIR STEAM GENERATOR INLET CHECK VALVE DUE TO LEAKAGE.
29P	07/25/84	F	0.0	H	5		PC	ZZZZZ	SECONDARY CHEMISTRY RESTRICTIONS.
30P	07/25/84	F	0.0	H	5		RC	FUELXX	AXIAL FLUX DIFFERENCE PENALTY TIME.
31P	07/30/84	S	0.0	B	5		IB	INSTRU	INCORE & EXCORE CALIBRATIONS.

****
* SUMMARY *
****

MCGUIRE 1 OPERATED ROUTINELY DURING THE REPORT PERIOD.

Type
F-Forced
S-Sched

Reason
A-Equip Failure
B-Maint or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Admin
G-Oper Error
H-Other

Method
1-Manual
2-Manual Scram
3-Auto Scram
4-Continued
5-Reduced Load
9-Other

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

****
* MCGUIRE 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1981

DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1981

DATE COMMERCIAL OPERATE....DECEMBER 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....R. BIRKEL
DOCKET NUMBER.....50-369

LICENSE & DATE ISSUANCE....NPF-9, JULY 8, 1981

PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
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UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 20 - JUNE 20 (84-17): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES AND OPEN ITEMS REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.12.2 REQUIRES THAT HIGH RADIATION AREAS GREATER THAN 1000 MR/HR WHICH ARE WITHIN LARGE AREAS SUCH AS PWR CONTAINMENT, WHERE NO ENCLOSURE EXISTS FOR PURPOSES OF LOCKING SHALL BE ROPED OFF, CONSPICUOUSLY POSTED A FLASHING LIGHT SHALL BE ACTIVATED AS A WARNING DEVICE. CONTRARY TO THE ABOVE, DURING FEBRUARY-MARCH 1984 THE REQUIREMENT TO MARK HIGH RADIATION AREAS GREATER THAN 1000 MR/HR WITH A FLASHING LIGHT WHEN THE AREA IS NOT READILY LOCKED WAS NOT MET IN THAT DURING WORK ON STEAM GENERATORS B, C, AND D FOR UNIT 1 THE MANWAYS WERE NOT MARKED WITH A FLASHING LIGHT. THE RADIATION DOSE RATE AT THE STEAM GENERATOR MANWAYS AND INSIDE THE STEAM GENERATOR WERE GREATER THAN 1000 MR/HR. 10 CFR 20.201(B) REQUIRES THAT EACH LICENSEE SHALL MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS IN THIS PART. A "SURVEY" IS DEFINED IN 10 CFR 20.201(B) AS EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CIRCUMSTANCES. 10 CFR 20.202 REQUIRES

ENFORCEMENT SUMMARY

EACH LICENSEE TO PROVIDE INDIVIDUALS WITH PERSONNEL MONITORING DEVICES UNDER SPECIFIED CONDITIONS TO PROVIDE INFORMATION USED AS PART OF SUCH SURVEYS. CONTRARY TO THE ABOVE, THE REQUIREMENT TO PERFORM AN EVALUATION WAS NOT MET IN THAT DURING AUGUST 1983, A THERMOLUMINESCENT DOSIMETER (TLD) READER MALFUNCTIONED AND THE TLD READER OPERATOR ASSIGNED THE INDIVIDUAL THE POCKET DOSIMETER (PD) TOTALS FROM THE COMPUTER RECORD. NO DETERMINATION AS TO THE ACCURACY OR COMPLETENESS OF THE COMPUTER RECORD WAS MADE PRIOR TO ASSIGNING THE EXPOSURE. TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR RADIATION PROTECTION BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR 20 AND SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. HEALTH PHYSICS MANUAL SECTION 2.2, STEP 2.2.5 REQUIRES PERSONNEL TO TURN IN DOSE CARDS ON DAYS WHEN THEY ENTER THE RADIATION CONTROL AREA. HEALTH PHYSICS PROCEDURE HP/O/B/1000/03, INVESTIGATION OF POTENTIAL OVER-EXPOSURE, REQUIRES THAT WHEN AN EXPOSURE INVESTIGATION IS PERFORMED, THE INDIVIDUAL'S DOSE CARD WILL BE RETAINED UNTIL THE EXPOSURE INVESTIGAATION IS COMPLETE SO THAT THE EXPOSURE WILL BE ENTERED ON THE CARD. CONTRARY TO THE ABOVE, THE REQUIREMENT TO HAVE PROCEDURES FOR PERSONNEL RADIATION PROTECTION AND TO ADHERE TO SUCH PROCEDURES WAS NOT MET IN THAT: (A) DOSIMETRY PROCEDURE DL/O/B/1100/01 STEP 4.6.8 PERMITS THE POCKET DOSIMETER TOTALS ON THE COMPUTER TO BE ASSIGNED AS AN INDIVIDUAL'S EXPOSURE WHEN THE TLD RESULT IS NOT AVAILABLE ALTHOUGH THE COMPUTER POCKET DOSIMETER TOTAL IS KNOWN NOT TO BE RELIABLE. THIS PROCEDURE DOES NOT ADEQUATELY IMPLEMENT 10 CFR 20 REQUIREMENTS. (B) DURING MARCH 1984, THE DOSES DETERMINED BY INVESTIGATIONS FOR TWO INDIVIDUALS WHO LOST THEIR POCKET DOSIMETER (PD) AND/OR TLD WERE NOT ADDED TO THE INDIVIDUAL'S DOSE CARDS OR COMPUTER EXPOSURE RECORDS AS REQUIRED BY PROCEDURE HP/O/B/1000/03. (C) LICENSEE RECORDS FOR TLD/PD CORRELATIONS FOR 1983 INDICATED THAT ALL PERSONNEL WHO ENTER THE RADIATION CONTROL ZONE DO NOT TURN IN DOSE CARDS AS REQUIRED BY HEALTH PHYSICS MANUAL SECTION 2.2.
(8407 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT CURRENT WRITTEN APPROVED PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING SURVEILLANCE TESTING OF SAFETY RELATED EQUIPMENT. CONTRARY TO THOSE REQUIREMENTS ON APRIL 20, 1984 PROCEDURE PT-1-A-4200-09A. CHANGE NUMBER 54 WAS INADEQUATE IN THAT IT REQUIRED THE OPENING OF SLIDEOUT LOCK B-13 INSTEAD OF THE CORRECT B-14. FURTHER, THE PROCEDURE WAS NOT FOLLOWED IN THAT THE TECHNICIAN CONNECTED A POWER SUPPLY LEAD TO THE LEAD WHICH HAD BEEN DISCONNECTED FROM RELAY LRA1 (CA) NOT THE TERMINAL OF LRA1 (CA) AS REQUIRED BY PROCEDURE, RESULTING IN AN INADVERTENT TRAIN 'A' BLACKOUT. TECHNICAL SPECIFICATION 3.6.1 REQUIRES CONTAINMENT INTEGRITY IN MODES 1-4. CONTRARY TO THAT REQUIREMENT IT WAS FOUND ON MARCH 14, 1984 THAT TESTS TO CONFIRM THE INTEGRITY OF NEW PENETRATIONS ON BOTH UNITS 1 AND 2 HAD NOT BEEN PERFORMED LEADING TO THE OPERTION OF BOTH UNITS IN MODE 4 OR ABOVE FOR FIFTEEN MONTHS ON UNIT ONE AND EIGHT MONTHS ON UNIT TWO WITHOUT HAVING VERIFIED CONTAINMENT INTEGRITY.
(8411 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-369/84-19 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	06/04/84	07/05/84	TRAIN B CHILLER OF CNTL AREA VENTILATION SYS TRIPPED, DUE TO LOW OIL LEVEL
84-020	06/06/84	07/06/84	REACTOR TRIPPED WHEN A SPURIOUS UNDERVOLTAGE RELAY ACTUATION DEENERGIZED 1 OF REACTOR COOLANT PUMPS, COMPONENT MALFUNCTIONED.

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1. Docket: 50-370 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS EXT (704) 373-7567
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305
6. Design Electrical Rating (Net MWe): 1180
7. Maximum Dependable Capacity (Gross MWe): 1225
8. Maximum Dependable Capacity (Net MWe): 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	744.0	3,671.0	3,671.0
13. Hours Reactor Critical	499.4	3,256.3	3,256.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	492.9	3,234.3	3,234.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,558,900	10,681,629	10,681,629
18. Gross Elec Ener (MWH)	545,101	3,800,131	3,800,131
19. Net Elec Ener (MWH)	517,564	3,655,155	3,655,155
20. Unit Service Factor	66.3	88.1	88.1
21. Unit Avail Factor	66.3	88.1	88.1
22. Unit Cap Factor (MDC Net)	59.0	84.4	84.4
23. Unit Cap Factor (DER Net)	59.0	84.4	84.4
24. Unit Forced Outage Rate	33.8	9.8	9.8
25. Forced Outage Hours	251.1	350.1	350.1

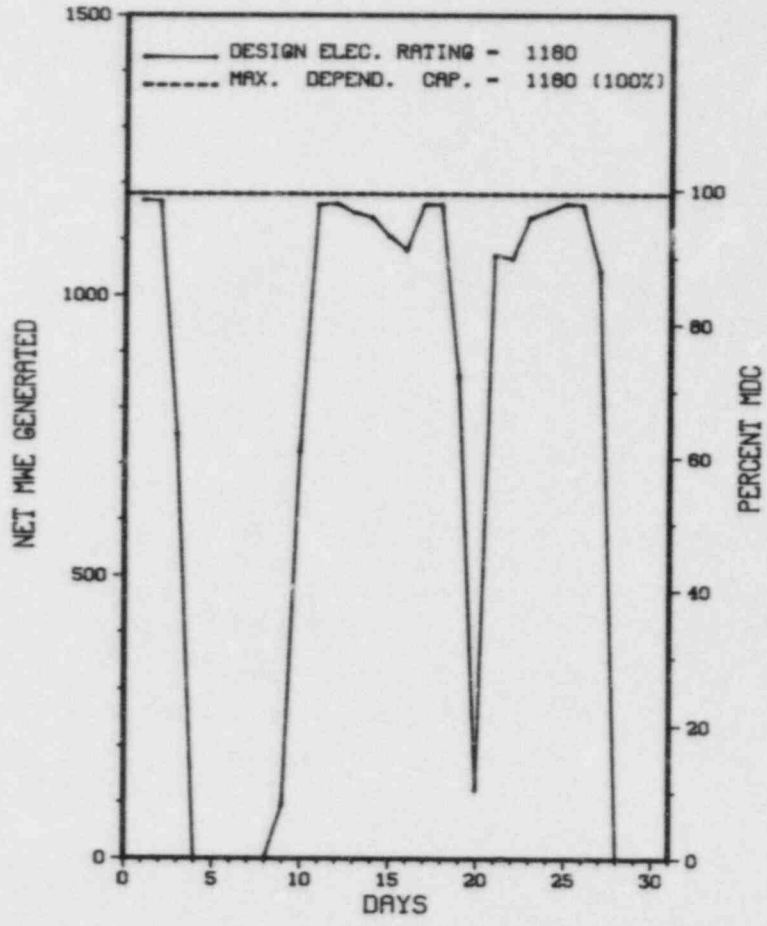
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - JANUARY, 1985 - 8 WEEKS

27. If Currently Shutdown Estimated Startup Date: 08/20/84

****
* MCGUIRE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* MCGUIRE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
32P	07/03/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
9	07/03/84	F	0.2	G	3		CD	VALVEX	MAIN STEAM ISOLATION VALVE CLOSED DURING IAE TESTING.
9A	07/03/84	F	107.4	A	1		IB	ZZZZZZ	TROUBLESHOOT SOURCE RANGE DETECTOR.
9B	07/08/84	F	26.8	A	1		CH	VALVEX	REPAIR STEAM GENERATOR INLET CHECK VALVE
33P	07/09/84	F	0.0	H	5		ZZ	ZZZZZZ	STEAM GENERATOR CHEMISTRY PROBLEMS.
34P	07/09/84	F	0.0	A	5		CD	VALVEX	REPAIR STEAM GENERATOR CONTAINMENT ISOLATION VALVE.
35P	07/13/84	S	0.0	B	5		HA	TURBIN	TURBINE ACCEPTANCE TEST.
36P	07/15/84	S	0.0	B	5		HA	TURBIN	TURBINE ACCEPTANCE TEST.
10	07/19/84	F	21.7	A	2		HI	VALVEX	REPAIR LEAKING STEAM GENERATOR BLOWDOWN VALVE.
37P	07/20/84	F	0.0	H	5		ZZ	ZZZZZZ	STEAM GENERATOR CHEMISTRY PROBLEMS.
38P	07/21/84	S	0.0	B	5		HA	TURBIN	TURBINE ACCEPTANCE TEST.
39P	07/22/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
40P	07/23/84	S	0.0	B	5		HA	TURBIN	TURBINE ACCEPTANCE TEST.
11	07/28/84	F	34.5	A	1		HI	VALVEX	REPAIR LEAKING STEAM GENERATOR BLOWDOWN VALVE.
11A	07/29/84	F	60.5	A	9		CI	PUMPXX	REPLACE LEAKING REACTOR COOLANT PUMP SEAL.

****
* SUMMARY *
****

MCGUIRE 2 SHUTDOWN ON JULY 28TH FOR EQUIPMENT REPAIR.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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

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.....R. BIRKEL
DOCKET NUMBER.....50-370

LICENSE & DATE ISSUANCE....NPF-17, MAY 27, 1983

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UNCC STATION,
CHARLOTTE, NC 28223

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

INSPECTION SUMMARY

+ INSPECTION MAY 20 - JUNE 20 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES AND OPEN ITEMS REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

MAX POWER LIMIT 50% PENDING STEAM GENERATOR MODIFICATION. DS-416 REACTOR TRIP BREAKER UNDER VOLTAGE COIL PROBLEMS.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN TO COMPLETE WESTINGHOUSE "D-3" STEAM GENERATOR MODIFICATIONS. ALSO, FULL POWER LICENSE ISSUED ON MAY 27, 1983.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-370/84-16 +

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
84-012	05/10/84	06/11/84	A REACTOR TRIP OCCURRED WHEN STEAM GENERATOR C LEVEL DROPPED BELOW THE S/G LOW-LOW LEVEL REACTOR TRIP SETPOINT. THIS EVENT IS ATTRIBUTED TO COMPONENT MALFUNCTION.
84-014	06/09/84	07/09/84	COMMERCIAL GRADE LIMITORQUE ACTUATORS INSTALLED

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

2. Reporting Period: 07/01/84 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	744.0	5,111.0	119,855.0
13. Hours Reactor Critical	744.0	3,317.2	90,081.7
14. Rx Reserve Shtdwn Hrs	.0	.0	2,775.0
15. Hrs Generator On-Line	744.0	3,287.8	87,305.0
16. Unit Reserve Shtdwn Hrs	.0	.0	26.5
17. Gross Therm Ener (MWH)	1,449,646	6,377,696	159,426,564
18. Gross Elec Ener (MWH)	488,700	2,174,500	53,537,696
19. Net Elec Ener (MWH)	467,003	2,069,261	51,050,518
20. Unit Service Factor	100.0	64.3	72.8
21. Unit Avail Factor	100.0	64.3	72.9
22. Unit Cap Factor (MDC Net)	96.0	61.9	65.1
23. Unit Cap Factor (DER Net)	95.1	61.3	64.5
24. Unit Forced Outage Rate	.0	.0	13.6
25. Forced Outage Hours	.0	.0	5,673.7

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

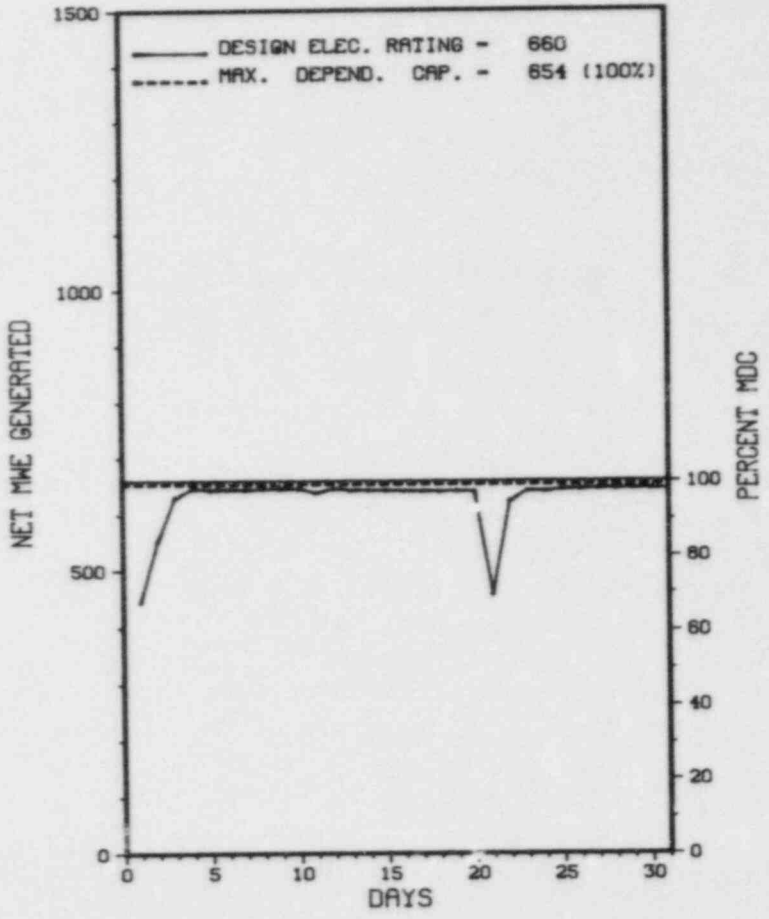
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/21/84	S	0.0	H	5				REDUCED REACTOR POWER TO ADJUST THE CONTROL ROD PATTERN.

****
* SUMMARY *
****

MILLSTONE 1 OPERATED WITH 1 REDUCTION DURING JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report (LER) File (NUREG-0161)
			9-Other	

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

FACILITY DATA

Report Period JUL 1984

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 LI.
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):

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

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. GIBSON (203) 447-1791 X 4419
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): 895
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	744.0	5,111.0	75,383.0
13. Hours Reactor Critical	744.0	4,987.9	53,352.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,166.9
15. Hrs Generator On-Line	744.0	4,685.1	50,867.0
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	1,903,852	12,004,265	128,320,641
18. Gross Elec Ener (MWH)	604,700	3,874,201	41,671,573
19. Net Elec Ener (MWH)	582,230	3,719,788	39,936,536
20. Unit Service Factor	100.0	91.7	67.5
21. Unit Avail Factor	100.0	91.7	68.1
22. Unit Cap Factor (MDC Net)	91.0	84.6	63.0*
23. Unit Cap Factor (DER Net)	90.0	83.7	62.1*
24. Unit Forced Outage Rate	.0	3.6	17.9
25. Forced Outage Hours	.0	173.4	9,796.2

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

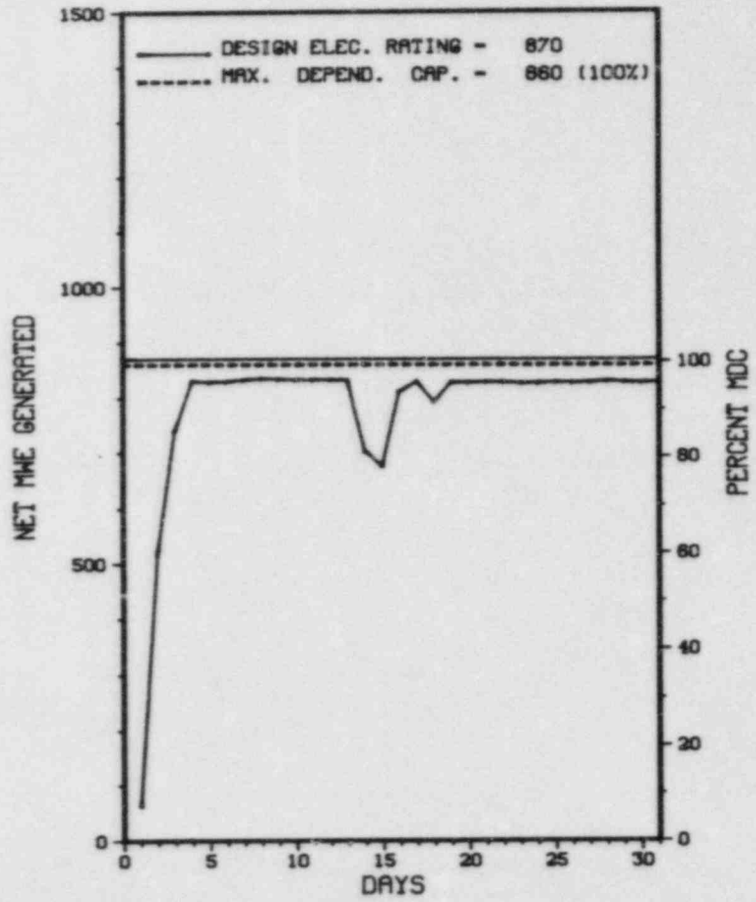
NONE

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

****
* MILLSTONE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* MILLSTONE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/02/84	F	0.0	A	5		AA	ROD	WHILE AT 100% POWER AND DURING CEA POWER SUPPLY VOLTAGE MEASUREMENT, CEA DROPPED INTO CORE. POWER WAS REDUCED TO < 70% POWER AND CEA RECOVERED.

****
* SUMMARY *
****

MILLSTONE 2 OPERATED WITH 1 REDUCTION DUE TO EQUIPMENT FAILURE.

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

****
* MILLSTONE 2 *
****

FACILITY DATA

Report Period JUL 1984

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):

INSPECTION STATUS - (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.

REPORTS FROM LICENSEE

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: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: A. L. Myrabo (612) 295-5151
4. Licensed Thermal Power (MWt): 1670
5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569
6. Design Electrical Rating (Net MWe): 545
7. Maximum Dependable Capacity (Gross MWe): 553
8. Maximum Dependable Capacity (Net MWe): 525
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	114,720.0
13. Hours Reactor Critical	.0	810.5	89,915.4
14. Rx Reserve Shtdwn Hrs	.0	.0	940.7
15. Hrs Generator On-Line	.0	808.8	88,003.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	897,898	141,233,814
18. Gross Elec Ener (MWH)	0	296,117	45,185,053
19. Net Elec Ener (MWH)	-1,218	273,139	43,185,445
20. Unit Service Factor	.0	15.8	76.7
21. Unit Avail Factor	.0	15.8	76.7
22. Unit Cap Factor (MDC Net)	.0	10.2	71.7
23. Unit Cap Factor (DER Net)	.0	9.8	69.1
24. Unit Forced Outage Rate	.0	.0	5.3
25. Forced Outage Hours	.0	.0	1,288.8

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

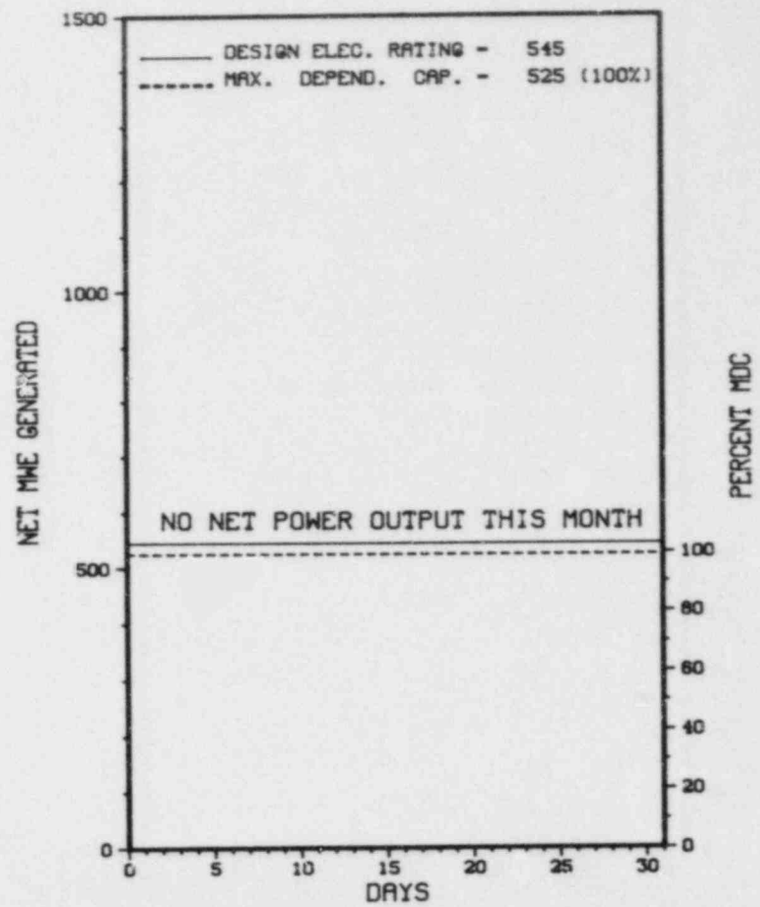
FEBRUARY 3, 1984 - REFUELING - 286 DAYS

27. If Currently Shutdown Estimated Startup Date: 11/15/84

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* MONTICELLO *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/03/84	S	744.0	C	4		RC	FUELXX	CONTINUATION OF 1984 REFUELING/MAINTENANCE OUTAGE.

****
* SUMMARY *
****

MONTICELLO 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* MONTICELLO *
****

FACILITY DATA

Report Period JUL 1984

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.....C. BROWN

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-263

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

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 2 - JUNE 16, (84-09): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; VENTILATION SYSTEM DAMPER ACTUATORS; UNISTRUT BRACKET P-2073A INSPECTION; LICENSEE EVENT REPORTS; ONSITE REVIEW COMMITTEE; AND LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 143 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS SHUT DOWN FOR A 6 MONTH OUTAGE. THE MAJOR ACTIVITY DURING THE OUTAGE WILL BE REPLACEMENT OF THE RECIRCULATION SYSTEM PIPING.

LAST IE SITE INSPECTION DATE: AUGUST 6-10, 1984

INSPECTION REPORT NO: 84-18

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-20	05/30/84	06/29/84	SBGTS INITIATION FROM REACTOR BLDG. VENT WRGM TRIP.
84-21	06/04/84	07/03/84	LOSS OF OFFSITE POWER.
84-22	06/05/84	07/05/84	RBV ISO. DURING THUNDERSTORM.
84-23	06/21/84	07/20/84	INADVERTENT START OF NO. 12 DIESEL GENERATOR.
84-24	06/27/84	07/27/84	REACTOR BLDG. ISO. BY WIDE RANGE GAS MONITORS POWER LOSS.

1. Docket: 50-220 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1850

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

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	129,287.0
13. Hours Reactor Critical	744.0	2,825.0	89,127.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,204.2
15. Hrs Generator On-Line	744.0	2,762.5	86,250.6
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	1,371,612	4,710,383	142,804,740
18. Gross Elec Ener (MWH)	455,246	1,578,644	47,210,426
19. Net Elec Ener (MWH)	441,955	1,530,098	45,724,857
20. Unit Service Factor	100.0	54.1	66.7
21. Unit Avail Factor	100.0	54.1	66.7
22. Unit Cap Factor (MDC Net)	97.4	49.1	58.0
23. Unit Cap Factor (DER Net)	95.8	48.3	57.0
24. Unit Forced Outage Rate	.0	.0	16.9
25. Forced Outage Hours	.0	.0	12,940.9

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

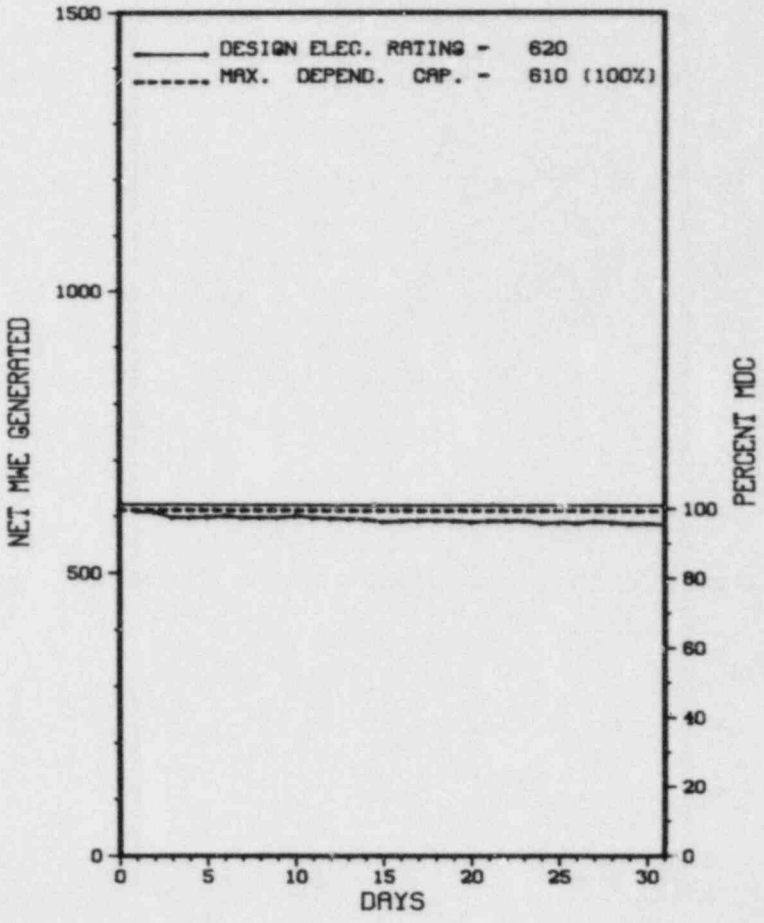
NONE

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

****
* NINE MILE POINT 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

NINE MILE POINT 1

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

SUMMARY

NINE MILE POINT 1 OPERATED AT FULL POWER WITH NO OUTAGES DURING THE REPORT PERIOD.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* NINE MILE POINT 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969

DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1969

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER CORP.

CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202

CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. HUDSON

LICENSING PROJ MANAGER.....R. HERMANN
DOCKET NUMBER.....50-220

LICENSE & DATE ISSUANCE....DPR-63, DECEMBER 26, 1974

PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION BE PREPARED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. RADIATION PROTECTION PROCEDURE RP-2, REVISION 2 STATES IN SECTION 5.4 THAT THE LEADMAN IS RESPONSIBLE FOR INSURING THAT THE INSTRUCTIONS ON THE RADIATION WORK PERMIT (RWP) ARE STRICTLY ADHERED TO. RADIATION WORK PERMIT NO. 4209, DATED APRIL 11, 1984 REQUIRES THAT RADIATION PROTECTION PERSONNEL SURVEY ALL ITEMS PRIOR TO REMOVAL FROM THE REACTOR VESSEL OR SPENT FUEL POOL. CONTRARY TO THE ABOVE, ON APRIL 11 , 1984 AT ABOUT 2:30 P.M. , THE LEADMAN FOR RWP NO. 4209 DID NOT INSURE THAT THE INSTRUCTIONS FOR THIS RWP WERE STRICTLY ADHERED TO. AT THAT TIME A TELEVISION CAMERA, LIGHTING CABLE AND LOW POWER RANGE MONITOR (LPRM) HANDLING TOOL CABLES WERE REMOVED FROM THE REACTOR VESSEL AND WERE NOT SURVEYED. RADIATION PROTECTION PROCEDURE RP-10 REQUIRES IN PART IN SECTION 7.4 THAT THE REGULATOR FOR THE SCOTT FULL FACE RESPIRATOR WITH AIRLINE BE SET A 75 (5 PSIG. CONTRARY TO THE ABOVE, ON APRIL 11, 1984, AT ABOUT 3:30 P.M., TWO INDIVIDUALS, CLEANING REACTOR STUD BOLTS, WERE USING SCOTT FULL FACE RESPIRATORS WITH AIRLINES WITH THE REGULATOR SET AT 100 PSIG.
(8405 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.

REPORTS FROM LICENSEE

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

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

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN N. LEE (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:

CHANGES IN GROSS AND NET

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	53,952.0
13. Hours Reactor Critical	.0	2,442.3	36,0_9.4
14. Rx Reserve Shtdwn Hrs	.0	7.1	2,182.8
15. Hrs Generator On-Line	.0	2,420.0	35,081.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	6,596,736	91,652,513
18. Gross Elec Ener (MWH)	0	2,238,267	29,622,453
19. Net Elec Ener (MWH)	0	2,126,605	27,957,819
20. Unit Service Factor	.0	47.3	65.0
21. Unit Avail Factor	.0	47.3	65.0
22. Unit Cap Factor (MDC Net)	.0	47.1	58.2
23. Unit Cap Factor (DER Net)	.0	45.9	57.1
24. Unit Forced Outage Rate	.0	23.7	13.4
25. Forced Outage Hours	.0	752.2	5,320.4

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

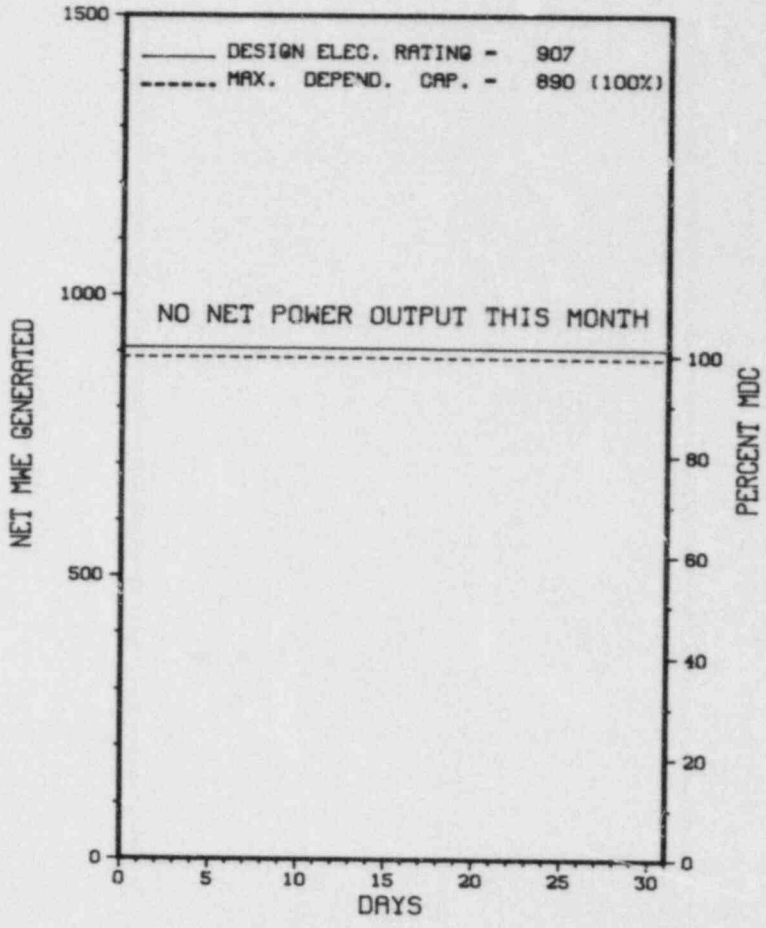
FALL MAINTENANCE, 11-23-84, SCHEDULED 10 DAYS.

27. If Currently Shutdown Estimated Startup Date: 08/17/84

****
* NORTH ANNA 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* NORTH ANNA 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-14	05/11/84	S	744.0	C	4				REFUELING OUTAGE CONTINUED THROUGH THE MONTH.

****
* SUMMARY *
****

NORTH ANNA 1 REMAINED SHUT DOWN FOR REFUELING THROUGHOUT JULY.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* NORTH ANNA 1 *
****

FACILITY DATA

Report Period JUL 1984

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 ELECTRIC & 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. JOHNSON

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-338

LICENSE & DATE ISSUANCE....NPF-4, APRIL 1, 1978

PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 19 (84-26): THIS REACTIVE, ANNOUNCED INSPECTION INVOLVED 7.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF FUEL PERFORMANCE, AND FOLLOWUP OF OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 12-13 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 7 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

VIOLATION OF 10CFR71.5 FOR FAILURE TO INCLUDE THE PROPER SHIPPING NAME AND IDENTIFICATION NUMBER ON LSA SHIPMENTS. THE SHIPPING NAME, IDENTIFICATION NUMBER AND TRANSPORT INDEX WERE LEFT OFF SHIPMENTS OF RADIOACTIVE MATERIAL LABELED RADIOACTIVE YELLOW II.
(8421 4)

CONSTRUCTION AND MAINTENANCE PERSONNEL CREATING DEGRADATION OF A VITAL AREA BARRIER WITHOUT PRIOR NOTIFICATION TO SECURITY REFERENCE UNIT 1.
(8425 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: JUNE 18-22, 1984 +

INSPECTION REPORT NO: 50-338/84-24 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN N. LEE (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): 939

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	744.0	5,111.0	31,823.0
13. Hours Reactor Critical	744.0	4,766.5	24,413.4
14. Rx Reserve Shtdwn Hrs	.0	14.6	2,254.6
15. Hrs Generator On-Line	744.0	4,666.7	23,944.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,778,681	12,092,978	62,514,008
18. Gross Elec Ener (MWH)	591,402	3,986,170	20,722,537
19. Net Elec Ener (MWH)	556,397	3,774,242	19,626,324
20. Unit Service Factor	100.0	91.3	75.2
21. Unit Avail Factor	100.0	91.3	75.2
22. Unit Cap Factor (MDC Net)	84.0	83.0	69.3
23. Unit Cap Factor (DER Net)	82.5	81.4	68.0
24. Unit Forced Outage Rate	.0	3.1	13.1
25. Forced Outage Hours	.0	148.6	3,596.1

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

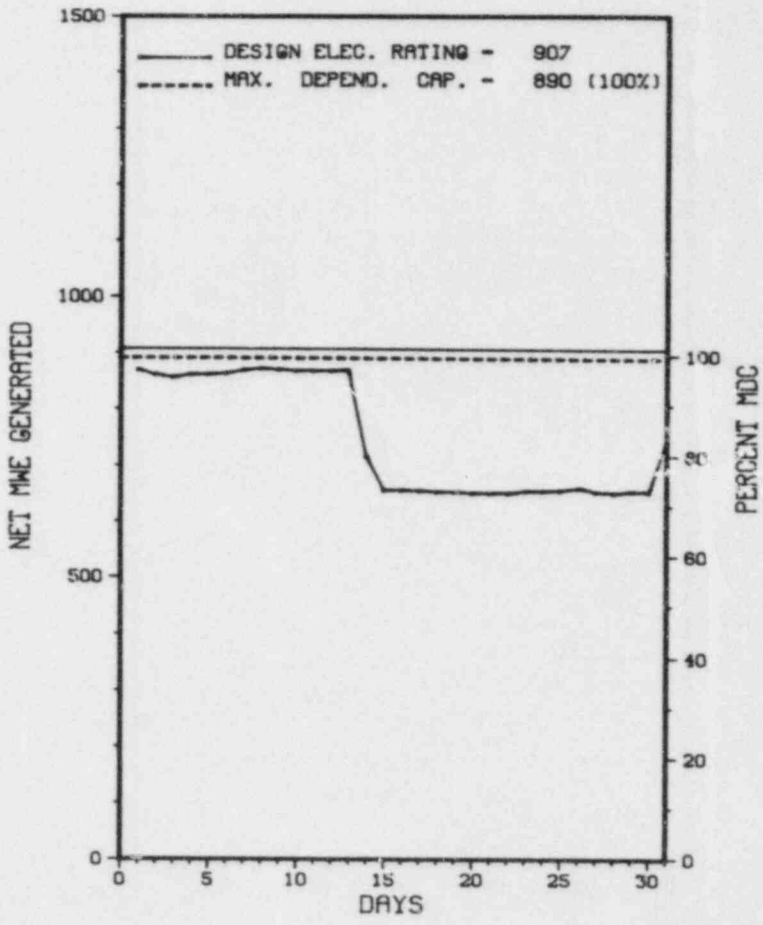
REFUELING OUTAGE SCHEDULED 08-29-84, 52 DAYS.

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

****
* NORTH ANNA 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* NORTH ANNA 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-33	07/14/84	S	0.0	B	5				RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. TEST COMPLETE AND UNIT AT 860 MW - 90% POWER. CONTINUING RAMP-DOWN TO 75% POWER TO ALLOW UNIT 2 TO OPERATE DURING SUMMER PEAK FOR FUEL CONSERVATION UNTIL UNIT 1 IS RETURNED ON-LINE.

****
* SUMMARY *
****

NORTH ANNA 2 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* NORTH ANNA 2 *
****

FACILITY DATA

Report Period JUL 1984

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 ELECTRIC & 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. JOHNSON

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339

LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980

PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 19 (84-26): THIS REACTIVE, ANNOUNCED INSPECTION INVOLVED 7.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF FUEL PERFORMANCE, AND FOLLOWUP OF OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 12-13 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 7 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING.

LAST IE SITE INSPECTION DATE: JUNE 18-22, 1984 +

INSPECTION REPORT NO: 50-339/84-24 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 07/01/84 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	744.0	5,111.0	96,816.0
13. Hours Reactor Critical	744.0	5,086.1	69,627.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,078.0	66,467.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,911,321	13,000,866	159,298,898
18. Gross Elec Ener (MWH)	664,050	4,557,790	55,426,020
19. Net Elec Ener (MWH)	634,379	4,360,672	52,526,223
20. Unit Service Factor	100.0	99.4	68.7
21. Unit Avail Factor	100.0	99.4	68.7
22. Unit Cap Factor (MDC Net)	99.1	99.2	62.9*
23. Unit Cap Factor (DER Net)	96.1	96.2	61.2*
24. Unit Forced Outage Rate	.0	.6	16.4
25. Forced Outage Hours	.0	33.0	12,080.6

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

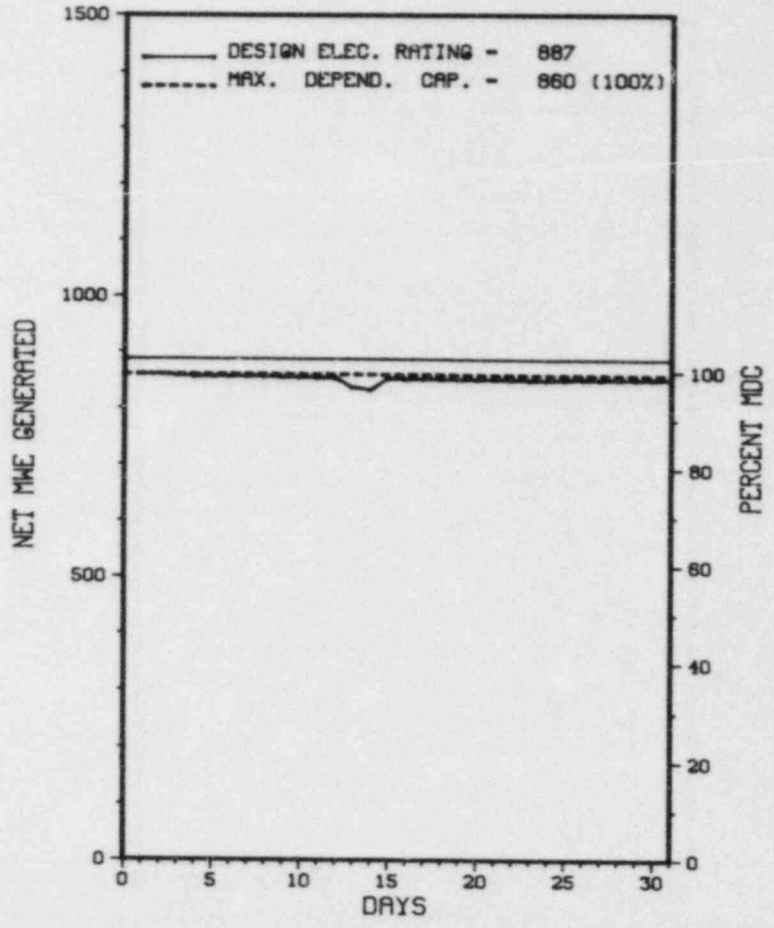
REFUELING - OCTOBER 1984 - 7 WEEKS.

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

****
* OCONEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* OCONEE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12P	07/13/84	S	0.0	B	5		CC	VALVEX	TURBINE & CONTROL VALVE AND CONTROL ROD DRIVE PT'S.

****
* SUMMARY *
****

OCONEE 1 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 19, 1973

DATE ELEC ENER 1ST GENER...MAY 6, 1973

DATE COMMERCIAL OPERATE....JULY 15, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-269

LICENSE & DATE ISSUANCE....DPR-38, FEBRUARY 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-20 (84-17): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 71.87(G) REQUIRES THAT PRIOR TO EACH SHIPMENT OF LICENSED MATERIAL THE LICENSEE SHALL ENSURE THAT THE PACKAGE WITH ITS CONTENTS SATISFIES THE APPLICABLE REQUIREMENTS OF THIS PART AND OF THE LICENSE. THE LICENSEE SHALL DETERMINE THAT, FOR FISSILE MATERIAL, ANY MODERATOR OR NEUTRON ABSORBER, IF REQUIRED, IS PRESENT AND IN PROPER CONDITION. NRC CERTIFICATE OF COMPLIANCE NUMBER 9010 FOR THE NLI1/2 FUEL SHIPPING CASK REQUIRES THAT THE NEUTRON SHIELDING TANK BE FILLED WITH A MIXTURE OF WATER AND ETHYLENE GYLCOL. CONTRARY TO THE ABOVE, THE MODERATOR FOR THE NLI1/2 CASK WAS NOT DETERMINED TO BE PRESENT AND IN PROPER CONDITION PRIOR TO USING THE CASK TO SHIP SIXTEEN IRRADIATED FUEL PINS, A FISSILE CLASS III SHIPMENT, TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT CONTROL NUMBER 84-19.
(8412 4)

10 CFR 20.201(B) REQUIRES EACH LICENSEE TO MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS MAY BE NECESSARY FOR THE LICENSEE TO COMPLY

****
* OCONEE 1 *
****

ENFORCEMENT SUMMARY

WITH THE REGULATIONS AND ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. CONTRARY TO THE ABOVE, SURVEYS TO EVALUATE THE EXTENT OF NEUTRON RADIATION HAZARDS THAT MAY HAVE BEEN PRESENT WERE NOT PERFORMED IN THAT: (A) NO NEUTRON RADIATION SURVEYS WERE PERFORMED DURING THE LOADING AND PRIOR TO SHIPPING THE NLI 1/2 FUEL SHIPPING CASK CONTAINING SIXTEEN IRRADIATED FUEL PINS TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT NUMBER 84-19. (B) DURING THE PERIOD APRIL 5, 1984 TO JUNE 5, 1984, ELEVEN FUEL TRANSFERS WERE PERFORMED BETWEEN THE UNITS 1 AND 2 AND UNIT 3 SPENT FUEL POOLS USING THE NAC FUEL CASK. NO NEUTRON RADIATION SURVEYS WERE PERFORMED UNTIL THE SIXTH TRANSFER ON MAY 21, 1984.
(8412 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JUNE 11 - JULY 10, 1984 +

INSPECTION REPORT NO: 50-269/84-15 +

REPORTS FROM LICENSEE

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: 07/01/84 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	744.0	5,111.0	86,736.0
13. Hours Reactor Critical	744.0	5,111.0	62,424.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,111.0	61,271.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,872,582	13,078,021	145,568,687
18. Gross Elec Ener (MWH)	650,260	4,512,680	49,617,536
19. Net Elec Ener (MWH)	622,468	4,328,173	47,139,742
20. Unit Service Factor	100.0	100.0	70.6
21. Unit Avail Factor	100.0	100.0	70.6
22. Unit Cap Factor (MDC Net)	97.3	98.5	63.0*
23. Unit Cap Factor (DER Net)	94.3	95.5	61.3*
24. Unit Forced Outage Rate	.0	.0	15.3
25. Forced Outage Hours	.0	.0	10,256.1

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

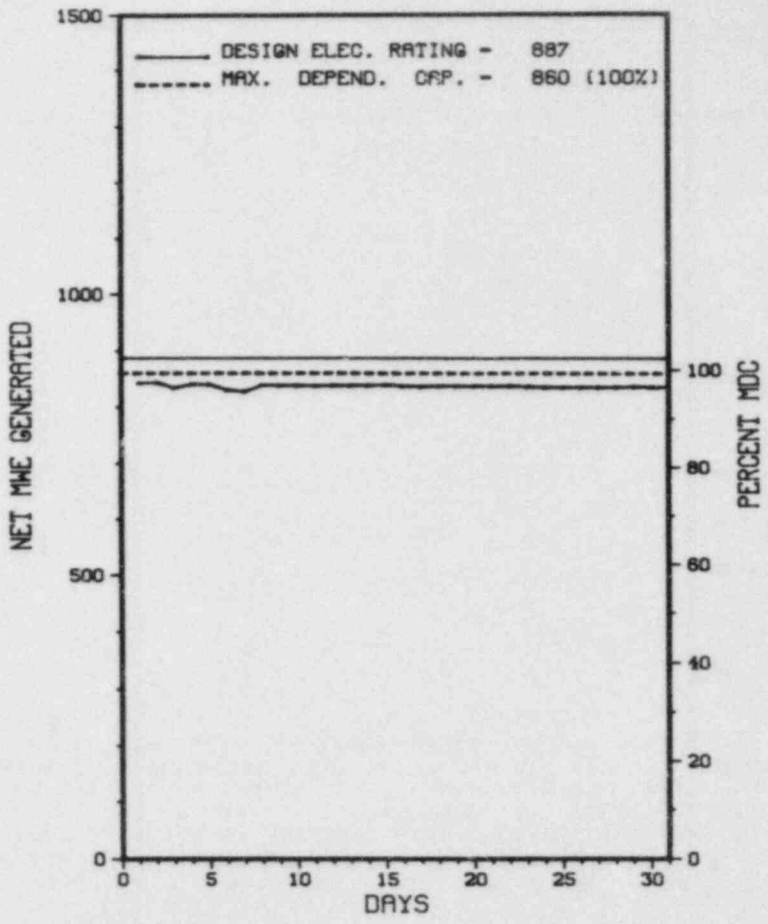
NONE

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

****
* OCONEE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* OCONEE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8P	07/03/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.
9P	07/06/84	S	0.0	B	5		CC	VALVEX	CONTROL AND STOP VALVE PT'S.

****
* SUMMARY *
****

OCONEE 2 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* OCONEE 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 11, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 9, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-270

LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-20 (84-16): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 71.87(G) REQUIRES THAT PRIOR TO EACH SHIPMENT OF LICENSED MATERIAL THE LICENSEE SHALL ENSURE THAT THE PACKAGE WITH ITS CONTENTS SATISFIES THE APPLICABLE REQUIREMENTS OF THIS PART AND OF THE LICENSE. THE LICENSEE SHALL DETERMINE THAT, FOR FISSILE MATERIAL, ANY MODERATOR OR NEUTRON ABSORBER, IF REQUIRED, IS PRESENT AND IN PROPER CONDITION. NRC CERTIFICATE OF COMPLIANCE NUMBER 9010 FOR THE NLI1/2 FUEL SHIPPING CASK REQUIRES THAT THE NEUTRON SHIELDING TANK BE FILLED WITH A MIXTURE OF WATER AND ETHYLENE GYLCOL. CONTRARY TO THE ABOVE, THE MODERATOR FOR THE NLI1/2 CASK WAS NOT DETERMINED TO BE PRESENT AND IN PROPER CONDITION PRIOR TO USING THE CASK TO SHIP SIXTEEN IRRADIATED FUEL PINS, A FISSILE CLASS III SHIPMENT, TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT CONTROL NUMBER 84-19.
(8412 4)

10 CFR 20.201(B) REQUIRES EACH LICENSEE TO MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS MAY BE NECESSARY FOR THE LICENSEE TO COMPLY

ENFORCEMENT SUMMARY

WITH THE REGULATIONS AND ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. CONTRARY TO THE ABOVE, SURVEYS TO EVALUATE THE EXTENT OF NEUTRON RADIATION HAZARDS THAT MAY HAVE BEEN PRESENT WERE NOT PERFORMED IN THAT: (A) NO NEUTRON RADIATION SURVEYS WERE PERFORMED DURING THE LOADING AND PRIOR TO SHIPPING THE NLI 1/2 FUEL SHIPPING CASK CONTAINING SIXTEEN IRRADIATED FUEL PINS TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT NUMBER 84-19. (B) DURING THE PERIOD APRIL 5, 1984 TO JUNE 5, 1984, ELEVEN FUEL TRANSFERS WERE PERFORMED BETWEEN THE UNITS 1 AND 2 AND UNIT 3 SPENT FUEL POOLS USING THE NAC FUEL CASK. NO NEUTRON RADIATION SURVEYS WERE PERFORMED UNTIL THE SIXTH TRANSFER ON MAY 21, 1984.
(8412 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JUNE 11 - JULY 10, 1984 +

INSPECTION REPORT NO: 50-270/84-14

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 07/01/84 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): 1035 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	744.0	5,111.0	84,383.0
13. Hours Reactor Critical	744.0	3,207.8	59,917.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,171.9	58,755.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,923,123	7,859,450	143,352,013
18. Gross Elec Ener (MWH)	659,780	2,713,970	49,528,564
19. Net Elec Ener (MWH)	632,164	2,588,968	47,156,086
20. Unit Service Factor	100.0	62.1	69.6
21. Unit Avail Factor	100.0	62.1	69.6
22. Unit Cap Factor (MDC Net)	98.8	58.9	64.8*
23. Unit Cap Factor (DER Net)	95.8	57.1	63.1*
24. Unit Forced Outage Rate	.0	1.1	14.6
25. Forced Outage Hours	.0	35.8	10,177.8

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

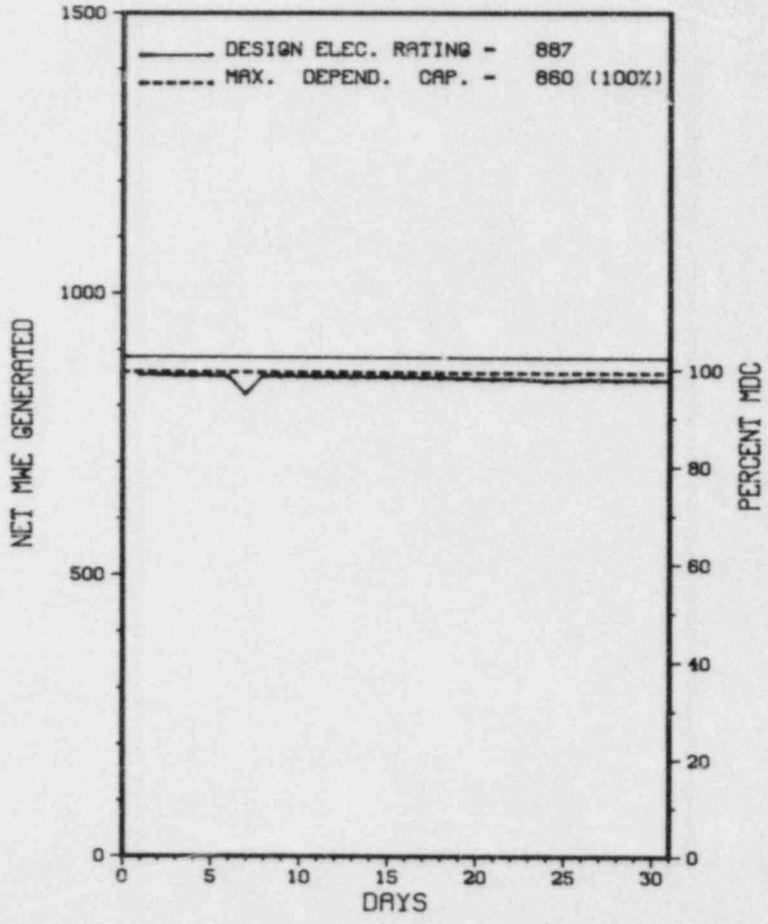
NONE

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

****
* OCONEE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* OCONEE 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10P	07/06/84	S	0.0	B	5		CC	VALVEX	TURBINE VALVE PT'S
11P	07/07/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION

****
* SUMMARY *
****

OCONEE 3 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM NEAREST POPULATION CTR...30 MI W OF GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 18, 1974
DATE COMMERCIAL OPERATE....DECEMBER 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE KEOWEE
ELECTRIC RELIABILITY COUNCIL.....SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-287
LICENSE & DATE ISSUANCE....DPR-55, JULY 19, 1974
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY 501 W. SOUTH BROAD ST. WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-20 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 71.87(G) REQUIRES THAT PRIOR TO EACH SHIPMENT OF LICENSED MATERIAL THE LICENSEE SHALL ENSURE THAT THE PACKAGE WITH ITS CONTENTS SATISFIES THE APPLICABLE REQUIREMENTS OF THIS PART AND OF THE LICENSE. THE LICENSEE SHALL DETERMINE THAT, FOR FISSILE MATERIAL, ANY MODERATOR OR NEUTRON ABSORBER, IF REQUIRED, IS PRESENT AND IN PROPER CONDITION. NRC CERTIFICATE OF COMPLIANCE NUMBER 9010 FOR THE NLI1/2 FUEL SHIPPING CASK REQUIRES THAT THE NEUTRON SHIELDING TANK BE FILLED WITH A MIXTURE OF WATER AND ETHYLENE GYLCOL. CONTRARY TO THE ABOVE, THE MODERATOR FOR THE NLI1/2 CASK WAS NOT DETERMINED TO BE PRESENT AND IN PROPER CONDITION PRIOR TO USING THE CASK TO SHIP SIXTEEN IRRADIATED FUEL PINS, A FISSILE CLASS III SHIPMENT, TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT CONTROL NUMBER 84-19.
(8414 4)

10 CFR 20.201(B) REQUIRES EACH LICENSEE TO MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS MAY BE NECESSARY FOR THE LICENSEE TO COMPLY

ENFORCEMENT SUMMARY

WITH THE REGULATIONS AND ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. CONTRARY TO THE ABOVE, SURVEYS TO EVALUATE THE EXTENT OF NEUTRON RADIATION HAZARDS THAT MAY HAVE BEEN PRESENT WERE NOT PERFORMED IN THAT: (A) NO NEUTRON RADIATION SURVEYS WERE PERFORMED DURING THE LOADING AND PRIOR TO SHIPPING THE NLI 1/2 FUEL SHIPPING CASK CONTAINING SIXTEEN IRRADIATED FUEL PINS TO THE BABCOCK AND WILCOX LYNCHBURG RESEARCH CENTER ON FEBRUARY 3, 1984, UNDER SHIPMENT NUMBER 84-19. (B) DURING THE PERIOD APRIL 5, 1984 TO JUNE 5, 1984, ELEVEN FUEL TRANSFERS WERE PERFORMED BETWEEN THE UNITS 1 AND 2 AND UNIT 3 SPENT FUEL POOLS USING THE NAC FUEL CASK. NO NEUTRON RADIATION SURVEYS WERE PERFORMED UNTIL THE SIXTH TRANSFER ON MAY 21, 1984.
(8414 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JUNE 11 - JULY 10, 1984 +

INSPECTION REPORT NO: 50-287/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004	06/07/84	07/09/84	APPARENT RPS TG/RX ANTICIPATORY TRIP FROM APPROX. 20% FULL POWER, INVESTIGATION FAILED TO FIND ANY REASON FOR THE TRIP.

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

2. Reporting Period: 07/01/84 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	744.0	5,111.0	128,039.0
13. Hours Reactor Critical	.0	696.0	85,319.9
14. Rx Reserve Shtdwn Hrs	.0	.0	468.2
15. Hrs Generator On-Line	.0	.0	82,693.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	136,301,260
18. Gross Elec Ener (MWH)	0	0	46,056,905
19. Net Elec Ener (MWH)	-2,663	-12,750	44,272,933
20. Unit Service Factor	.0	.0	64.6
21. Unit Avail Factor	.0	.0	64.6
22. Unit Cap Factor (MDC Net)	.0	.0	55.8*
23. Unit Cap Factor (DER Net)	.0	.0	53.2
24. Unit Forced Outage Rate	.0	.0	11.6
25. Forced Outage Hours	.0	.0	8,916.8

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

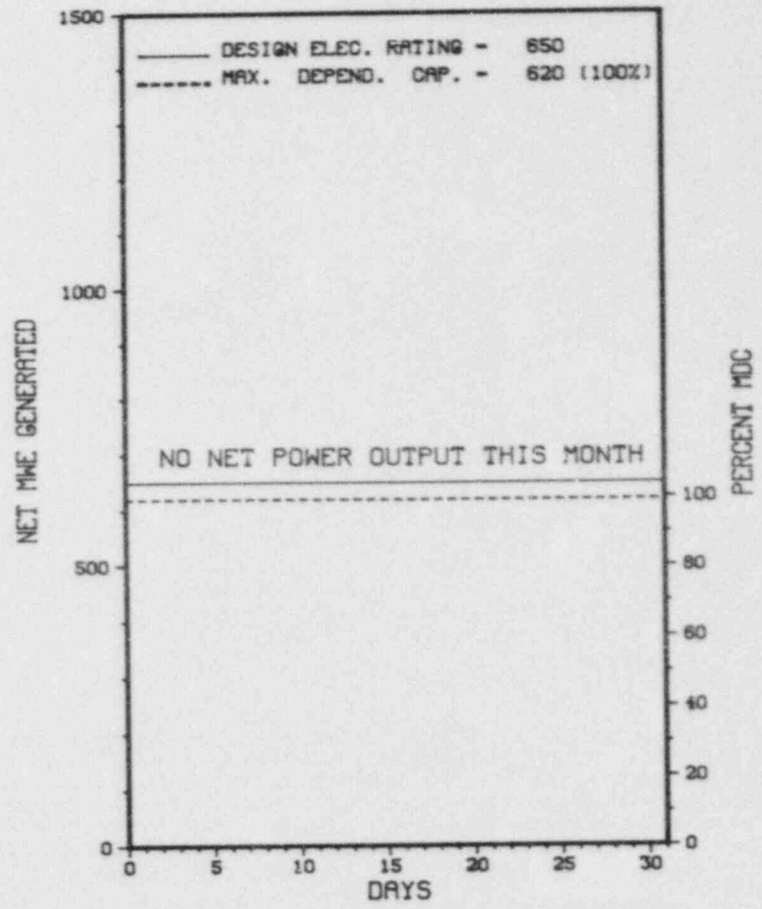
NONE

27. If Currently Shutdown Estimated Startup Date: 09/09/84

****
* OYSTER CREEK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

OYSTER CREEK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
31	02/11/83	S	744.0	C	4		ZZ	ZZZZZZ	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

SUMMARY

OYSTER CREEK 1 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* OYSTER CREEK 1 *
****

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

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.....C. COWGILL

LICENSING PROJ MANAGER.....J. LOMBARDO
DOCKET NUMBER.....50-219

LICENSE & DATE ISSUANCE....DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, MECHANICAL INSTALLATION SPECIFICATION OCIS-402017-002 WERE REVISED, BUT NUMEROUS CHANGES WERE NEVER INCORPORATED AS REQUIRED BY PROJECT PROCEDURE PI-19 WHICH LIMITED THE NUMBER OF OUTSTANDING CHANGES AGAINST A SPECIFICATION TO TWO. MECHANICAL INSTALLATION SPECIFICATION OCIS-40217-001, WAS ORIGINATED BY STONE & WEBSTER (S&W), BUT WAS REVISED AND ISSUED BY GPUN AS REVISION 0 WITHOUT PROPER REVIEW FOR ADEQUACY BY S&W, THE LOCATION WHERE DESIGN WAS PERFORMED, FOR THEIR USE. AS A RESULT, S&W CONTINUED TO USE OUT-OF-DATE DESIGN INFORMATION IN DISPOSITIONING OTHER CHANGES SUCH AS FIELD CHANGE REQUESTS. MECHANICAL INSTALLATION SPECIFICATION OCIS-40217-001, REVISION 1 WAS ISSUED WITHOUT PROPER APPROVALS. PROJECT PROCEDURES REQUIRED THAT THE REVISION BE REVIEWED AND APPROVED BY THE SAME ORGANIZATION THAT REVIEWED AND APPROVED THE ORIGINAL ISSUE. HOWEVER, THE REVISION WAS ISSUED WITHOUT THE REVIEW AND APPROVAL OF QA WHICH HAD REVIEWED AND APPROVED THE ORIGINAL ISSUE. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION III, AS OF APRIL 3, 1984: APPROPRIATE MEASURES HAD NOT BEEN APPLIED TO CONTROL THE DESIGN INTERFACE BETWEEN GPUN AND STONE AND WEBSTER IN THE GPUN APPROVED AND RELEASED REVISED DESIGN DOCUMENTS SUCH AS MECHANICAL INSTALLATION SPECIFICATION OCIS-402071-001 WITHOUT OBTAINING THE APPROVAL OF THE ORIGINAL DESIGN ORGANIZATION (STONE AND WEBSTER). THIS RESULTED IN DESIGN CHANGES, SUCH AS CHANGES IN THE CODES APPLIED TO DESIGN/INSTALLATION, WHERE THE REVIEW OF THE IMPACT OF THE CHANGE WAS NOT COMMENSURATE WITH THE REVIEW OF THE ORIGINAL DESIGN. DURING THE PROCESS OF MAKING A DESIGN CHANGE TO MODIFY

ENFORCEMENT SUMMARY

THE INSTALLATION FOR HANGER NC-I*IPS-002-2 TO PRECLUDE AN INTERFERENCE, THE DESIGNER(S) FAILED TO INCORPORATE A SIX DEGREE ANGULAR RESTRAINT FOR THE INSTALLATION OF THE STRUT ROD. REGULATORY REQUIREMENTS PERTAINING TO FIRE PROTECTION, PHYSICAL SECURITY, AND PROTECTION FROM MISSILES WERE NOT TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS FOR THE NEW CABLE SPREADING ROOM AND THE ASSOCIATED TUNNELS FOR ROUTING CABLE TRAYS FROM THE REACTOR BUILDING TO THAT ROOM. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, MAINTENANCE CONSTRUCTION FAILED TO: IDENTIFY TO QC THE EXISTENCE OF SEVEN CONDUIT SUPPORTS THUS RESULTING IN AN UNSATISFACTORY AND UNINSPECTED CONDUIT SUPPORT SYSTEM. INSTALL HANGER NC*IPS-002-2 IN ACCORDANCE WITH THE APPLICABLE DESIGN DRAWING. INCORPORATE STEPS INTO THE INSTALLATION PROCEDURE FOR THE REACTOR HEAD COOLING MODIFICATION TO REMOVE AND REINSTALL A HANGER USED AS PART OF THE PIPING SUPPORT SYSTEM. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION X, HANGER NC-I*IPS-002-2 DID NOT MEET DESIGN DRAWING REQUIREMENTS IN THAT THE FILLET WELDS CONNECTING THE CLEVIS TO THE BASE PLATE WERE MISLOCATED AND UNDERSIZED AND AS INSTALLED DIMENSIONS DIFFERED FROM DESIGN DIMENSIONS RENDERING THE FUNCTIONABILITY OF THE HANGER QUESTIONABLE. THESE PROBLEMS WERE NOT IDENTIFIED BY QC. AS ASME CLASS 3 VALVE WAS INSTALLED IN THE LIQUID POISON SYSTEM THAT WAS DESIGNATED ASME CLASS 2 FOR THE PURPOSES OF MODIFICATION WORK. QC INSPECTIONS FAILED TO IDENTIFY THE DISCREPANCY. THE QC VISUAL INSPECTION PROCEDURE DID NOT REQUIRE THAT ARC STRIKES ON VALVES AND PIPE BE IDENTIFIED AND EVALUATED. AS A RESULT, ARC STRIKES WERE PRESENT IN TWO LOCATIONS ON 2" LINE RHC01 IN THE REACTOR HEAD COOLING SYSTEM AND WERE NOT IDENTIFIED BY QC. A HANGER THAT WAS NOT ADDRESSED AS EXISTING IN EITHER THE INSTALLATION PROCEDURE OR THE DESIGN DRAWINGS WAS IN PLACE ON 2" LINE RHC-1 AND WAS NOT IDENTIFIED AS A DISCREPANCY FROM THE CONTROLLING DOCUMENTS BY QC.
(8409 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.

REPORTS FROM LICENSEE

****
* OYSTER CREEK 1 *
****

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: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: A. F. DIENES (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	744.0	5,111.0	110,606.0
13. Hours Reactor Critical	146.7	146.7	59,406.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	18.7	18.7	56,297.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	9,816	9,816	115,370,040
18. Gross Elec Ener (MWH)	2,460	2,460	35,752,900
19. Net Elec Ener (MWH)	1,442	1,442	33,629,456
20. Unit Service Factor	2.5	.4	50.9
21. Unit Avail Factor	2.5	.4	50.9
22. Unit Cap Factor (MDC Net)	.3	.0	47.9
23. Unit Cap Factor (DER Net)	.2	.0	37.8
24. Unit Forced Outage Rate	49.0	49.0	32.1
25. Forced Outage Hours	18.0	18.0	12,543.6

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

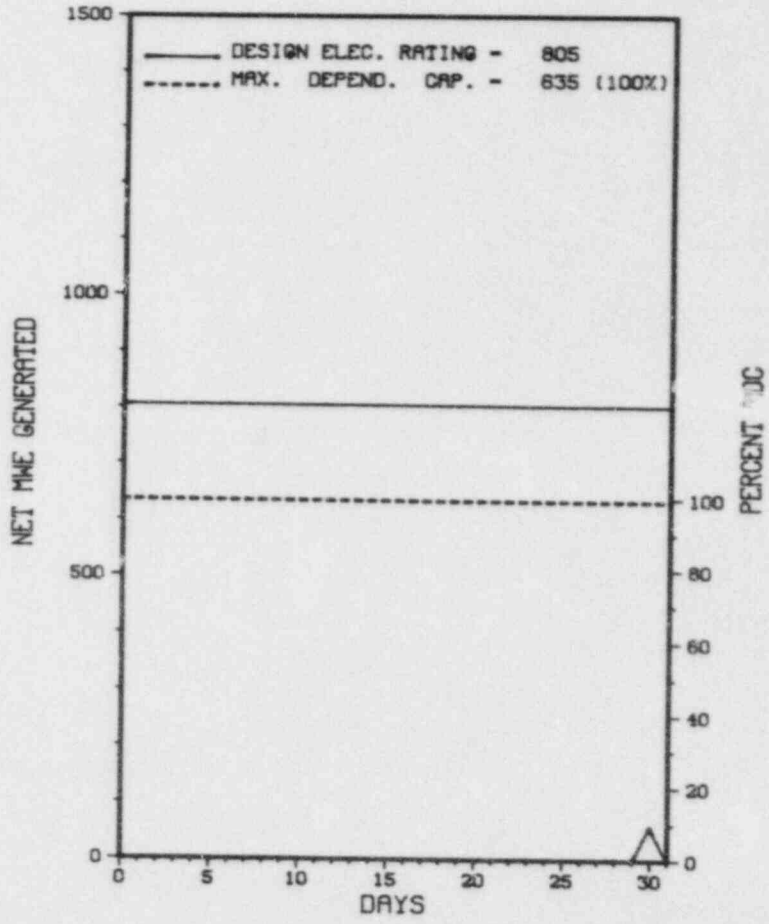
NONE

27. If Currently Shutdown Estimated Startup Date: 08/17/84

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* PALISADES *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	08/12/83	S	707.3	C	4				REFUELING OUTAGE CONCLUDES.
2	07/31/84	F	18.0	B	1				TURBINE BEARING HIGH VIBRATION.

****
* SUMMARY *
****

PALISADES CONCLUDED A REFUELING SHUT DOWN ON JULY 30.

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)

****
* PALISADES *
****

FACILITY DATA

Report Period JUL 1984

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.....R. JORGENSON

LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE....DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....KALAMAZOO PUBLIC LIBRARY
315 SOUTH ROSE STREET
REFERENCE DEPARTMENT
KALAMAZOO, MICHIGAN 49007

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 25 - MAY 17, (84-09): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, DESIGN CHANGE AND MODIFICATION PROGRAM AND IMPLEMENTATION; PROCUREMENT PROGRAM AND IMPLEMENTATION; SURVEILLANCE PROGRAM AND IMPLEMENTATION; TRAINING; AND Q LIST CONTROL. THE INSPECTION INVOLVED 244 INSPECTOR HOURS ONSITE BY FIVE INSPECTORS. OF THE 11 AREAS INSPECTED, THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FOUR AREAS (FAILURE TO PROVIDE ACCEPTANCE CRITERIA IN SURVEILLANCE PROCEDURE; FAILURE TO ESTABLISH MEASURES TO PREVENT INADVERTENT USE OR INSTALLATION OF NONCONFORMING ITEMS WITHOUT TECHNICAL JUSTIFICATION; FAILURE TO SPECIFY ADEQUATE TECHNICAL AND QUALITY REQUIREMENTS FOR A SAFETY-RELATED PROCUREMENT; AND FAILURE TO FOLLOW PROCEDURES.

INSPECTION ON JULY 13, (84-12): ROUTINE ANNOUNCED INSPECTION OF FOLLOW-UP OF VALVE SHAFT INSPECTION AND REPLACEMENT ON MAIN STEAM LINE ISOLATION VALVES. THIS INSPECTION INVOLVED A TOTAL OF 7 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XV, AS IMPLEMENTED BY SECTION 15 OF CONSUMERS POWER QUALITY ASSURANCE PROGRAM DESCRIPTION FOR OPERATIONAL NUCLEAR POWER PLANT (CPC-2A) REQUIRES MEASURES TO BE ESTABLISHED TO CONTROL MATERIALS, PARTS OR COMPONENTS WHICH DO

ENFORCEMENT SUMMARY

NOT CONFORM TO REQUIREMENTS IN ORDER TO PREVENT THEIR INADVERTENT USE OR INSTALLATION. APPENDIX A OF CPC-2A STATES THE CONSUMERS POWER QUALITY ASSURANCE PROGRAM COMPLIES WITH REGULATORY GUIDE 1.38, REVISION 2 WHICH ENDORSES ANSI N45.2.2-1972, "QUALITY ASSURANCE REQUIREMENTS FOR PACKAGING, SHIPPING, RECEIVING, STORAGE AND HANDLING OF ITEMS FOR WATER COOLED NUCLEAR POWER PLANTS." CONTRARY TO THE ABOVE, CONSUMERS POWER QUALITY ASSURANCE PROGRAM AND ITS IMPLEMENTING PROCEDURES DO NOT REQUIRE TECHNICAL JUSTIFICATION BE PREPARED AND DOCUMENTED FOR THE CONDITIONAL RELEASE OF A NONCONFORMING ITEM FOR INSTALLATION. THIS DOCUMENTED TECHNICAL JUSTIFICATION PRIOR TO INSTALLING A NONCONFORMING ITEM IS REQUIRED BY ANSI N45.2.2, PARAGRAPH 5.3.3. 10 CFR 50, APPENDIX B, CRITERION IV AS IMPLEMENTED BY SECTION 4 OF CONSUMERS POWER QUALITY ASSURANCE PROGRAM DESCRIPTION FOR OPERATIONAL NUCLEAR POWER PLANT (CPC-2A) REQUIRES MEASURES TO BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS, DESIGN BASES, AND OTHER REQUIREMENTS WHICH ARE NECESSARY TO ASSURE ADEQUATE QUALITY ARE SUITABLY INCLUDED OR REFERENCED IN DOCUMENTS FOR PROCUREMENT. CONTRARY TO THE ABOVE, PURCHASE ORDER 1004-3428-C0, FOR THE SPARE BORIC ACID PUMP MOTOR, DID NOT SPECIFY ADEQUATE TECHNICAL AND QUALITY REQUIREMENTS. ALSO INCLUDE IN YOUR RESPONSE TO THIS ITEM, THE PROCUREMENT OF SAFETY-RELATED ITEMS FROM SUPPLIERS NOT ON THE NUCLEAR OPERATIONS DEPARTMENT APPROVED SUPPLIERS LIST. 10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE QUALITY ASSURANCE PROGRAM (CPC-2A) WHICH INCLUDES A COMMITMENT TO ANSI N18.7-1976, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND PROCEDURES WHICH INCLUDE APPROPRIATE QUALITATIVE AND QUANTITATIVE ACCEPTANCE CRITERIA AND BE ACCOMPLISHED IN ACCORDANCE WITH THOSE INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF FAILURE TO HAVE OR FOLLOW APPROPRIATE PROCEDURES WERE IDENTIFIED: A. NO ACCEPTANCE CRITERIA, AS REQUIRED BY ANSI N18.7-1976, PARAGRAPH 5.3, WERE SPECIFIED IN EITHER SURVEILLANCE PROCEDURE RM-45 OR WYLE TEST PROCEDURE NO. 6108-545 FOR SURVEILLANCE ACTIVITIES OF MECHANICAL SNUBBER OPERABILITY. B. THE RESPONSIBLE SUPERVISOR FAILED TO SIGN THE ACCEPTABILITY CRITERIA AND OPERABILITY CHECKLIST INDICATING THAT SAFETY SYSTEM SETTINGS HAD NOT BEEN VIOLATED DURING THE PERFORMANCE OF SURVEILLANCE PROCEDURE #MO-3 ("REACTOR PROTECTION MATRIX LOGIC TESTS") PERFORMED IN JUNE, JULY, AND AUGUST OF 1983 AS REQUIRED BY PALISADES ADMINISTRATIVE PROCEDURE 9.23, PARAGRAPH 6.4.
(8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT HAS RETURNED TO LOW POWER OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 20-22, 1984

INSPECTION REPORT NO: 84-18

REPORTS FROM LICENSEE

PALISADES

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06	06/12/84	06/28/84	RADIOACTIVE WASTE SHIPMENT. .
84-07	06/22/84	07/20/84	SPURIOUS LOW TEMP. OVERPRESSURE PROTECTION ACTUATION.
84-08	06/28/84	07/26/84	PERSONNEL AIRLOCK LEAKAGE.

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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: 07/01/84 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	744.0	5,111.0	88,319.0
13. Hours Reactor Critical	.0	2,583.9	62,283.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	2,544.8	60,556.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	7,865,391	178,420,001
18. Gross Elec Ener (MWH)	0	2,547,570	58,718,660
19. Net Elec Ener (MWH)	-5,243	2,448,104	56,284,534
20. Unit Service Factor	.0	49.8	68.6
21. Unit Avail Factor	.0	49.8	68.6
22. Unit Cap Factor (MDC Net)	.0	45.6	60.6
23. Unit Cap Factor (DER Net)	.0	45.0	59.8
24. Unit Forced Outage Rate	.0	4.4	12.5
25. Forced Outage Hours	.0	116.4	8,628.6

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

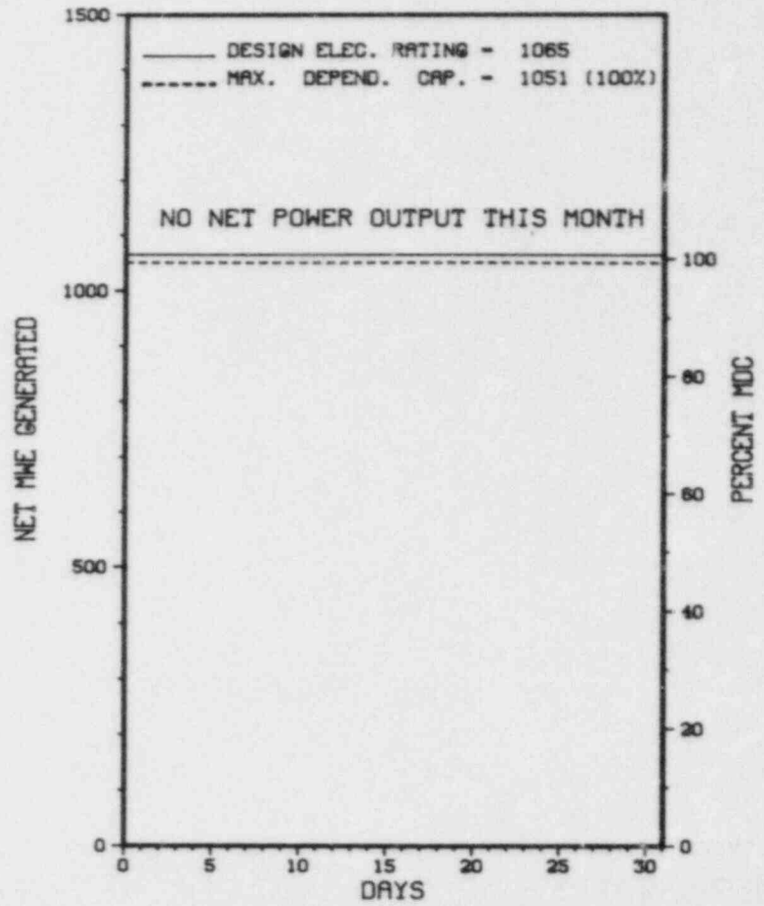
NONE

27. If Currently Shutdown Estimated Startup Date: 02/04/85

****
* PEACH BOTTOM 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/27/84	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING & MAINTENANCE OUTAGE.

SUMMARY

PEACH BOTTOM 2 REMAINED SHUT DOWN FOR REFUELING AND MAINTENANCE DURING THE ENTIRE MONTH OF JULY.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* PEACH BOTTOM 2 *
****

FACILITY DATA

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.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-277

LICENSE & DATE ISSUANCE....DPR-44, DECEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
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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):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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: 07/01/84 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): 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	744.0	5,111.0	84,215.0
13. Hours Reactor Critical	670.9	4,268.0	61,068.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	655.9	4,210.1	59,526.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,082,708	13,366,383	174,404,688
18. Gross Elec Ener (MWH)	693,820	4,452,320	57,267,440
19. Net Elec Ener (MWH)	670,462	4,311,604	54,975,389
20. Unit Service Factor	88.2	82.4	70.7
21. Unit Avail Factor	88.2	82.4	70.7
22. Unit Cap Factor (MDC Net)	87.1	81.5	63.1
23. Unit Cap Factor (DER Net)	84.6	79.2	61.3
24. Unit Forced Outage Rate	11.8	14.0	7.8
25. Forced Outage Hours	88.1	687.4	5,018.3

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

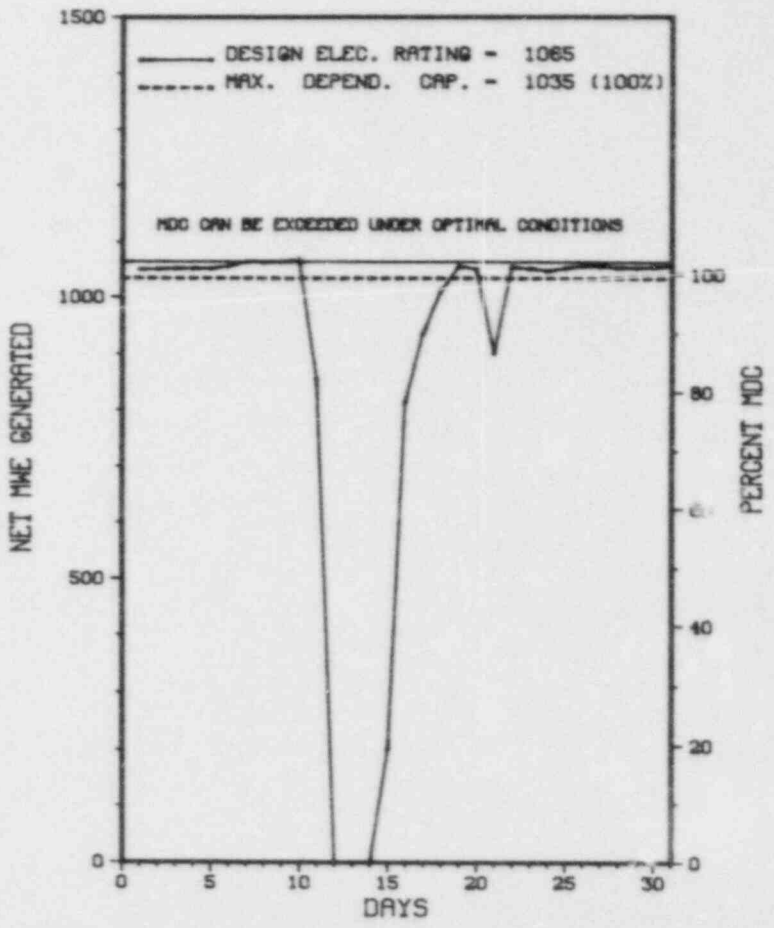
NONE

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

****
* PEACH BOTTOM 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* PEACH BOTTOM 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/11/84	F	88.1	H	3		IA	INSTRU	APRM HIGH FLUX SCRAM OCCURRED FOLLOWING A LIGHTNING STRIKE ON 500KV BUS TIE LINE.

****
* SUMMARY *
****

PEACH BOTTOM 3 EXPERIENCED A TRIP DUE TO LIGHTNING ON JULY 11.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* PEACH BOTTOM 3 *
****

FACILITY DATA

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.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-278

LICENSE & DATE ISSUANCE....DPR-56, JULY 2, 1974

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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):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-293 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: P. HAMILTON (617) 746-7905
4. Licensed Thermal Power (MWt): 1998
5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678
6. Design Electrical Rating (Net MWe): 655
7. Maximum Dependable Capacity (Gross MWe): 690
8. Maximum Dependable Capacity (Net MWe): 670
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	102,071.0
13. Hours Reactor Critical	.0	.0	69,733.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	67,521.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	116,932,632
18. Gross Elec Ener (MWH)	0	0	39,228,314
19. Net Elec Ener (MWH)	0	0	37,693,409
20. Unit Service Factor	.0	.0	66.2
21. Unit Avail Factor	.0	.0	66.2
22. Unit Cap Factor (MDC Net)	.0	.0	55.1
23. Unit Cap Factor (DER Net)	.0	.0	56.4
24. Unit Forced Outage Rate	.0	.0	9.2
25. Forced Outage Hours	.0	.0	6,842.5

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

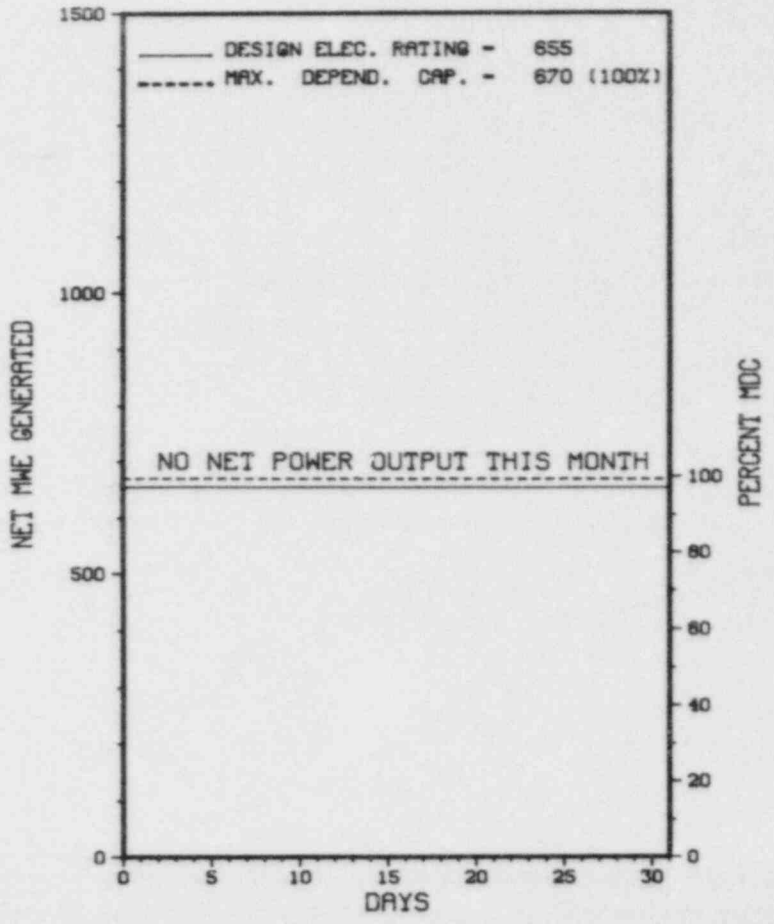
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/84

****
* PILGRIM 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* PILGRIM 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/10/83	S	744.0	C	4				SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT.

****
* SUMMARY *
****

PILGRIM 1 CONTINUES SHUTDOWN FOR REFUELING AND RECIRCULATION PIPING REPLACEMENT.

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 & License Examination		5-Reduced Load	Licensee Event Report (LER) File (NUREG-0161)
			9-Other	

****
* PILGRIM 1 *
****

FACILITY DATA

Report Period JUL 1984

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

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.

****
* PILGRIM 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: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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): 519

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	744.0	5,111.0	120,407.0
13. Hours Reactor Critical	728.7	2,747.1	96,825.6
14. Rx Reserve Shtdwn Hrs	.4	4.3	629.7
15. Hrs Generator On-Line	722.5	2,707.0	94,314.5
16. Unit Reserve Shtdwn Hrs	3.2	9.0	802.5
17. Gross Therm Ener (MWH)	1,053,610	3,924,040	127,459,352
18. Gross Elec Ener (MWH)	363,670	1,354,950	42,750,930
19. Net Elec Ener (MWH)	347,637	1,294,171	40,662,053
20. Unit Service Factor	97.1	53.0	78.3
21. Unit Avail Factor	97.5	53.1	79.0
22. Unit Cap Factor (MDC Net)	96.3	52.2	69.1*
23. Unit Cap Factor (DER Net)	94.0	50.9	67.9
24. Unit Forced Outage Rate	.0	.0	2.7
25. Forced Outage Hours	.1	.0	2,406.3

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

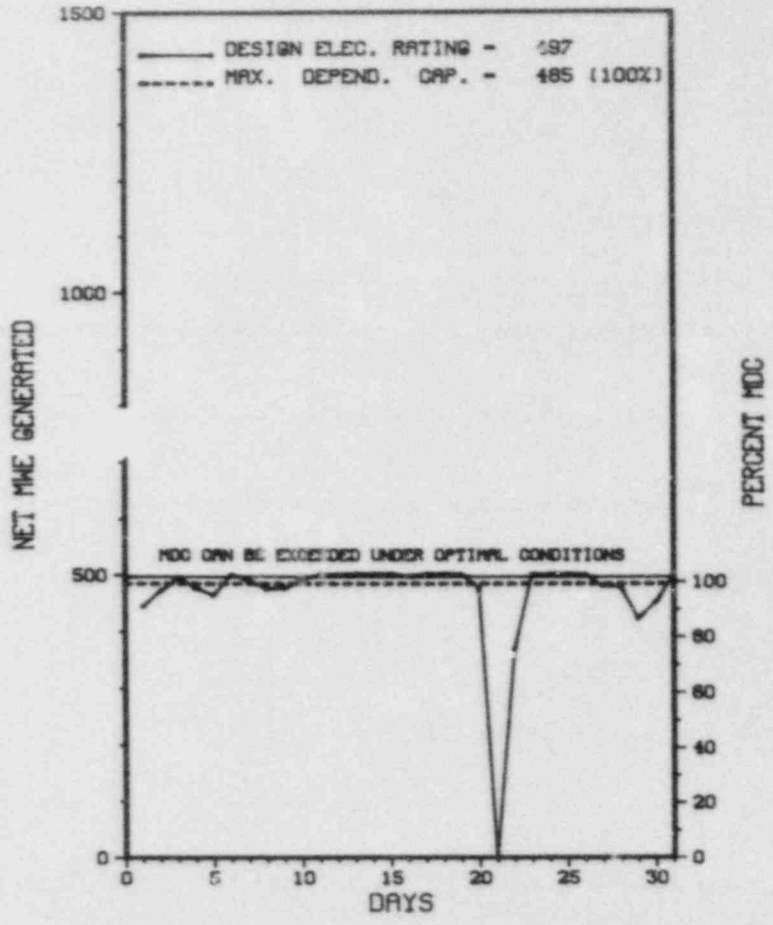
NONE

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

****
* POINT BEACH 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

POINT BEACH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/21/84	S	21.5	B	1		XX	ELECON	UNIT SHUTDOWN TO PERFORM IN CONTAINMENT MAINTENANCE ON THE REACTOR COOLANT LOOSE PARTS MONITORING SYSTEM.

SUMMARY

POINT BEACH 1 OPERATED ROUTINELY IN JULY WITH 1 SHUTDOWN FOR MAINTENANCE.

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 & License Examination		5-Reduced Load	Licensee Event Report (LER) File (NUREG-0161)
			9-Other	

****
* POINT BEACH 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 2, 1970

DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970

DATE COMMERCIAL OPERATE....DECEMBER 21, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266

LICENSE & DATE ISSUANCE....DPR-24, OCTOBER 5, 1970

PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 1 - MAY 31, (84-06): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION; REGIONAL REQUESTS; STARTUP TESTING - REFUELING. THE INSPECTION INVOLVED 402 INSPECTOR HOURS ONSITE BY TWO INSPECTORS INCLUDING 46 INSPECTOR HOURS ON OFFSHIFTS. ONE ITEM OF NON COMPLIANCE WAS FOUND IN TWO AREAS (FAILURE TO FOLLOW PROCEDURES, AND FAILURE TO MEET COMMITMENT TO ANSI N45.2.1-1973).

INSPECTION ON JUNE 11-15, (84-08): INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION, SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS BY TWO NRC INSPECTORS. EIGHT OF THE 64 INSPECTOR-HOURS WERE CONDUCTED OFFSITE DURING OFF-SHIFT PERIODS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED, EXCEPT FOR THE FOLLOWING ITEM. ALARM STATION: A COMPUTER CAPABILITY REQUIRED BY THE SECURITY PLAN COULD BE CIRCUMVENTED. AN AREA OF CONCERN WAS NOTED REGARDING WRITTEN GUIDANCE BY THE SECURITY CONTRACTOR PERTAINING TO THE REPORTING OF POSSIBLE VIOLATIONS TO THE NRC. FOUR COMMITMENTS DID NOT CONSTITUTE VIOLATIONS OF NRC REQUIREMENTS.

INSPECTION ON JULY 11, (84-12): ROUTINE, ANNOUNCED INSPECTION OF FOLLOWUP OF VALVE SHAFT INSPECTIONS ON MAIN STEAM LINE ISOLATION SWING CHECK AND SWING STOP VALVES. THIS INSPECTION INVOLVED A TOTAL OF 4 INSPECTION-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

****
* POINT BEACH 1 *
****

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

SECTION 1.8 OF THE POINT BEACH NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT DESCRIBES THE QUALITY ASSURANCE PROGRAM ESTABLISHED TO COMPLY WITH 10 CFR 50.34. TABLE 1.8-1 OF THAT SECTION LISTS THE REGULATORY GUIDES AND ANSI STANDARDS THE LICENSEE HAS COMMITTED TO. INCLUDED IN THAT LIST IS ANSI N45.2.1 - 1973. ANSI N45.2.1 - 1973 IN PARAGRAPH 3.1.2 REQUIRES THAT, THE REACTOR COOLANT PIPE SURFACE SHALL BE FREE OF PARTICULATE CONTAMINANTS SUCH AS SAND, METAL CHIPS, WELD SLAG, ETC. CONTRARY TO THE ABOVE, DURING INSPECTIONS AFTER THE STEAM GENERATOR REPAIR ACTIVITIES HAD BEEN CONCLUDED ON UNIT 1. SEVERAL HUNDRED PARTICLES DESCRIBED AS METAL CHIPS AND WELD SLAG WERE DISCOVERED IN VARIOUS PARTS OF THE REACTOR COOLANT SYSTEM INCLUDING THE UPPER INTERNALS PACKAGE AND THE LETDOWN LINE.
(8406 4)

POINT BEACH NUCLEAR PLANT PROCEDURE, PBNP 3.4.8, TRANSIENT COMBUSTIBLE CONTROL, STATES IN PART, "IN GENERAL, TRANSIENT COMBUSTIBLES SHOULD NOT REMAIN IN SAFE SHUTDOWN AREAS FOR LONGER THAN A SINGLE WORKSHIFT. TRANSIENT COMBUSTIBLES WHICH MUST REMAIN FOR A LONGER PERIOD SHOULD BE MONITORED THROUGH THE TRANSIENT COMBUSTIBLES CONTROL SYSTEM". CONTRARY TO THE ABOVE, DURING MAINTENANCE ON THE 3D DIESEL GENERATOR, BARRELS OF OIL, SOLVENTS, AND OILY RAGS WERE LEFT UNATTENDED AND UNMONITORED THROUGH THE TRANSIENT COMBUSTIBLES CONTROL SYSTEM IN THE DIESEL GENERATOR ROOM WHICH IS DESIGNATED AS A SAFE SHUTDOWN AREA.
(8406 5)

A SECURITY COMPUTER SAFEGUARDS CAPABILITY REQUIRED BY THE SECURITY PLAN COULD BE CIRCUMVENTED.
(8408 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: AUGUST 6-10, 1984

INSPECTION REPORT NO: 84-14

Report Period JUL 1984

REPORTS FROM LICENSEE

POINT BEACH 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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): 519

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	744.0	5,111.0	105,192.0
13. Hours Reactor Critical	744.0	5,085.6	93,513.8
14. Rx Reserve Shtdwn Hrs	.0	8.8	207.1
15. Hrs Generator On-Line	744.0	5,021.9	91,924.7
16. Unit Reserve Shtdwn Hrs	.0	15.4	198.1
17. Gross Therm Ener (MWH)	1,119,374	7,494,418	128,389,195
18. Gross Elec Ener (MWH)	381,040	2,534,380	43,494,210
19. Net Elec Ener (MWH)	364,174	2,421,941	41,427,206
20. Unit Service Factor	100.0	98.3	87.4
21. Unit Avail Factor	100.0	98.6	87.6
22. Unit Cap Factor (MDC Net)	100.9	96.0	80.1*
23. Unit Cap Factor (DER Net)	98.5	95.3	79.2
24. Unit Forced Outage Rate	.0	.0	1.4
25. Forced Outage Hours	.0	.0	692.2

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

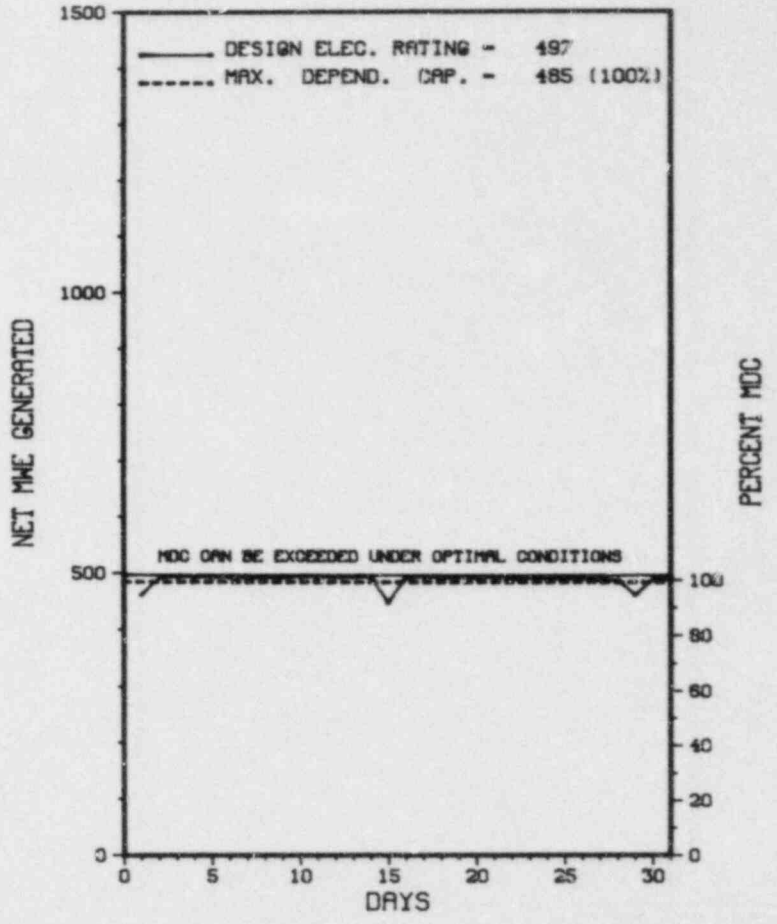
REFUELING SEPTEMBER 28, 1984 - 5 WEEKS.

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

****
* POINT BEACH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* POINT BEACH 2 *
****

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

NONE

****
* SUMMARY *
****

POINT BEACH 2 EXPERIENCED NO SHUTDOWNS OR POWER REDUCTIONS IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* POINT BEACH 2 *
****

FACILITY DATA

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

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 1 - MAY 31, (84-04): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION; REGIONAL REQUESTS; STARTUP TESTING - REFUELING. THE INSPECTION INVOLVED 402 INSPECTOR HOURS ONSITE BY TWO INSPECTORS INCLUDING 46 INSPECTOR HOURS ON OFFSHIFTS. ONE ITEM OF NON COMPLIANCE WAS FOUND IN TWO AREAS (FAILURE TO FOLLOW PROCEDURES, AND FAILURE TO MEET COMMITMENT TO ANSI N45.2.1-1973).

INSPECTION ON JUNE 11-15, (84-06): INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION, SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS BY TWO NRC INSPECTORS. EIGHT OF THE 64 INSPECTOR-HOURS WERE CONDUCTED OFFSITE DURING OFF-SHIFT PERIODS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED, EXCEPT FOR THE FOLLOWING ITEM. ALARM STATION: A COMPUTER CAPABILITY REQUIRED BY THE SECURITY PLAN COULD BE CIRCUMVENTED. AN AREA OF CONCERN WAS NOTED REGARDING WRITTEN GUIDANCE BY THE SECURITY CONTRACTOR PERTAINING TO THE REPORTING OF POSSIBLE VIOLATIONS TO THE NRC. FOUR COMMITMENTS DID NOT CONSTITUTE VIOLATIONS OF NRC REQUIREMENTS.

INSPECTION ON JULY 11, (84-10): ROUTINE, ANNOUNCED INSPECTION OF FOLLOWUP OF VALVE SHAFT INSPECTIONS ON MAIN STEAM LINE ISOLATION SWING CHECK AND SWING STOP VALVES. THIS INSPECTION INVOLVED A TOTAL OF 4 INSPECTION-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

****
* POINT BEACH 2 *
****

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

POINT BEACH NUCLEAR PLANT PROCEDURE, PBNP 3.4.8, TRANSIENT COMBUSTIBLE CONTROL, STATES IN PART, "IN GENERAL, TRANSIENT COMBUSTIBLES SHOULD NOT REMAIN IN SAFE SHUTDOWN AREAS FOR LONGER THAN A SINGLE WORKSHIFT. TRANSIENT COMBUSTIBLES WHICH MUST REMAIN FOR A LONGER PERIOD SHOULD BE MONITORED THROUGH THE TRANSIENT COMBUSTIBLES CONTROL SYSTEM". CONTRARY TO THE ABOVE, DURING MAINTENANCE ON THE 3D DIESEL GENERATOR, BARRELS OF OIL, SOLVENTS, AND OILY RAGS WERE LEFT UNATTENDED AND UNMONITORED THROUGH THE TRANSIENT COMBUSTIBLES CONTROL SYSTEM IN THE DIESEL GENERATOR ROOM WHICH IS DESIGNATED AS A SAFE SHUTDOWN AREA. (8404 5)

A SECURITY COMPUTER SAFEGUARDS CAPABILITY REQUIRED BY THE SECURITY PLAN COULD BE CIRCUMVENTED. (8406 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: AUGUST 6-10, 1984

INSPECTION REPORT NO: 84-12

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 OPERATING STATUS
2. Reporting Period: 07/01/84 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	744.0	5,111.0	93,143.0
13. Hours Reactor Critical	744.0	5,061.4	76,734.4
14. Rx Reserve Shtdwn Hrs	.0	.0	5,571.1
15. Hrs Generator On-Line	744.0	5,040.0	75,421.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,212,731	8,161,552	118,472,714
18. Gross Elec Ener (MWH)	396,460	2,702,460	38,582,260
19. Net Elec Ener (MWH)	372,502	2,551,449	36,142,878
20. Unit Service Factor	100.0	98.6	81.0
21. Unit Avail Factor	100.0	98.6	81.0
22. Unit Cap Factor (MDC Net)	99.5	99.2	77.1
23. Unit Cap Factor (DER Net)	94.5	94.2	73.2
24. Unit Forced Outage Rate	.0	.0	8.0
25. Forced Outage Hours	.0	.0	2,920.9

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

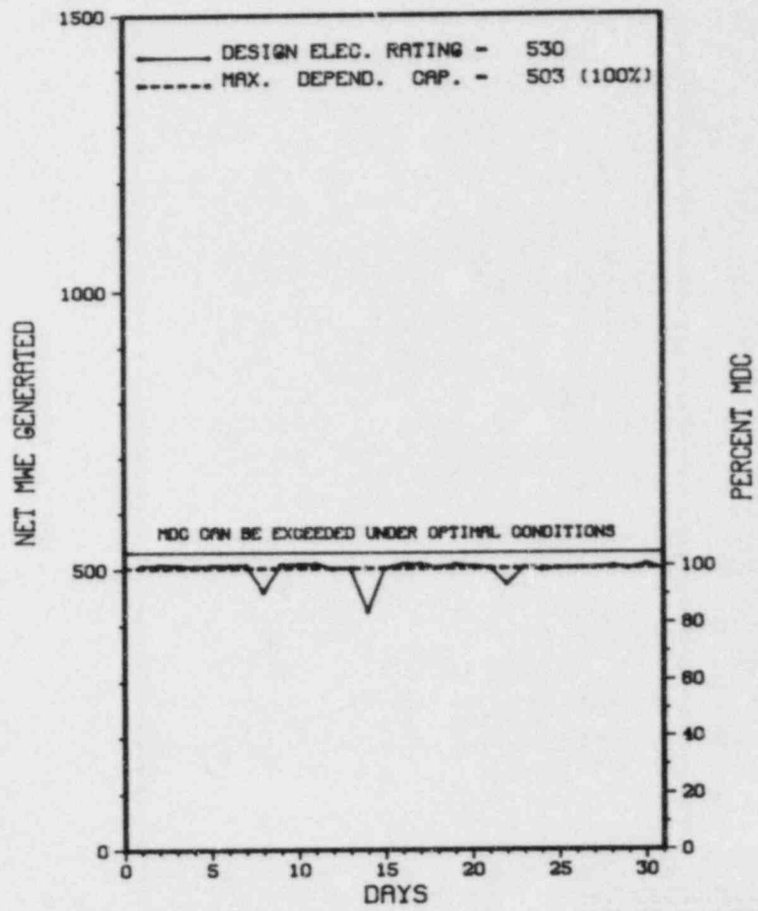
TEN YEAR OVERHAUL IN JANUARY 1985

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

****
* PRAIRIE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

PRAIRIE ISLAND 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	07/08/84	S	0.0	B	5				TURBINE VALVES TEST.
	07/14/84	S	0.0	B	5				ADD OIL TO RCP, TURBINE VALVES TEST.
	07/22/84	S	0.0	B	5				AXIAL OFFSET CALIBRATION.

SUMMARY

PRAIRIE ISLAND 1 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* PRAIRIE ISLAND 1 *
****

FACILITY DATA

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. DIIANNI
DOCKET NUMBER.....50-282

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

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 11, 1984 - JUNE 10, (84-04): ROUTINE RESIDENT INSPECTION OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, TMI-2 ITEMS FOLLOW UP, ATWS PROCEDURE REVIEW, LICENSEE EVENT REPORT. THE INSPECTION INVOLVED A TOTAL 267 OF INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. ONE ITEM OF DEVIATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MEET AMENDMENT COMMITMENT).

INSPECTION ON MAY 7-11, (84-06): ROUTINE UNANNOUNCED INSPECTION OF MAINTENANCE WITH EMPHASIS ON ADMINISTRATIVE CONTROLS, LIMITORQUE CORPORATION VALVE OPERATORS, REACTOR COOLANT PRESSURE BOUNDARY FASTENERS, AND MAINTENANCE TRAINING. THE INSPECTION INVOLVED A TOTAL OF 96 INSPECTOR-HOURS ONSITE BY 4 NRC INSPECTORS. OF THE 4 AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 20-21, (84-08): SPECIAL, ANNOUNCED INSPECTION OF TEST PROCEDURES AND DATA FOR THE INSERVICE TESTING OF VALVES, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 20 INSPECTOR HOURS ONSITE BY TWO INSPECTORS. OF THE TWO AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ONE AREA. IN THE OTHER AREA ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO LEAK TEST VALVES).

****
* PRAIRIE ISLAND 1 *
****

ENFORCEMENT SUMMARY

10 CFR 50.59(A)(1) STATES, IN PART, THAT "THE HOLDER OF A LICENSE AUTHORIZING OPERATION OF A PRODUCTION OR UTILIZATION FACILITY MAY...(II) MAKE CHANGES IN THE PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT..., WITHOUT PRIOR COMMISSION APPROVAL, UNLESS THE PROPOSED CHANGE INVOLVES A CHANGE IN THE TECHNICAL SPECIFICATIONS INCORPORATED IN THE LICENSE OR AN UNREVIEWED SAFETY QUESTION." 10 CFR 50.59(B) STATES, IN PART, THAT "THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES...IN PROCEDURES MADE PURSUANT TO THIS SECTION, TO THE EXTENT THAT SUCH CHANGES...CONSTITUTE CHANGES IN PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT. THESE RECORDS SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION." THE LICENSEE'S JULY 17, 1981, ANALYSIS OF THE ADEQUACY OF THE STATION ELECTRICAL DISTRIBUTION SYSTEM WHICH WAS INCORPORATED BY REFERENCE IN THE UPDATED SAFETY ANALYSIS REPORT (REFERENCE 2 OF SECTION 8.10, PAGE 8.10-1) ASSUMED A MINIMUM PRE-TRIP 345 KV BUS VOLTAGE OF 348 KV. CONTRARY TO THE ABOVE, ON SOME OCCASIONS IN 1983 THE PLANT WAS OPERATED AT BUS VOLTAGES BETWEEN 342 KV AND 345 KV WITHOUT A PRIOR SAFETY EVALUATION. ALTHOUGH A SUBSEQUENT LICENSEE ANALYSIS INDICATES THAT OPERATING VOLTAGES SUBSTANTIALLY LOWER THAN 342 KV ARE ACCEPTABLE, THE LICENSEE DID NOT CONDUCT A SAFETY EVALUATION IN ADVANCE TO DETERMINE IF SUCH OPERATING VOLTAGES INVOLVED A UNREVIEWED SAFETY QUESTION.
(8322 4)

THE PRAIRIE ISLAND NUCLEAR GENERATING STATION, UNIT 1 TECHNICAL SPECIFICATION 4.2 STATES: "INSERVICE TESTING OF ASME CODE CLASS 1, CLASS 2 AND CLASS 3 PUMPS AND VALVES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION XI OF THE ASME BOILER AND PRESSURE VESSEL CODE AND APPLICABLE ADDENDA AS REQUIRED BY 10 CFR 50, SECTION 50.55A(G)." CONTRARY TO THE ABOVE, FIVE MOTOR OPERATED, CATEGORY A RESIDUAL HEAT REMOVAL SYSTEM VALVES ARE NOT LEAK TESTED OR TRENDED PER THE REQUIREMENTS OF IWV-3420 OF SECTION XI OF THE ASME CODE.
(8408 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

PRAIRIE ISLAND 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	05/31/84	06/29/84	CAUSTIC ADDITION STANDPIPE LEVEL BELOW SPEC.

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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: 07/01/84 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	744.0	5,111.0	84,261.0
13. Hours Reactor Critical	744.0	5,111.0	73,361.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,516.1
15. Hrs Generator On-Line	744.0	5,111.0	72,404.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,216,519	8,246,844	113,978,702
18. Gross Elec Ener (MWH)	400,480	2,738,160	36,845,560
19. Net Elec Ener (MWH)	377,898	2,594,802	34,569,685
20. Unit Service Factor	100.0	100.0	85.9
21. Unit Avail Factor	100.0	100.0	85.9
22. Unit Cap Factor (MDC Net)	101.6	101.5	82.1
23. Unit Cap Factor (DER Net)	95.8	95.8	77.4
24. Unit Forced Outage Rate	.0	.0	4.2
25. Forced Outage Hours	.0	.0	3,315.5

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

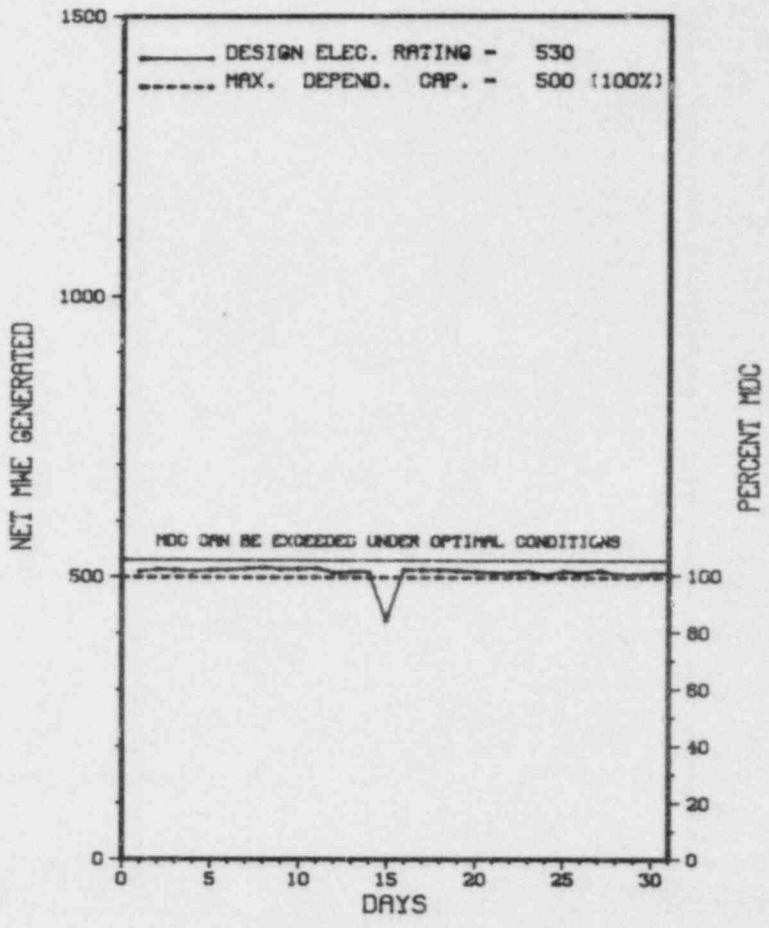
REFUELING OUTAGE IN AUGUST OF 1984.

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

****
* PRAIRIE ISLAND 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* PRAIRIE ISLAND 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	07/15/84	S	0.0	B	5				TURBINE VALVES TEST.

****
* SUMMARY *
****

PRAIRIE ISLAND 2 OPERATED ROUTINELY IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* PRAIRIE ISLAND 2 *
****

FACILITY DATA

Report Period JUL 1984

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. DIIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE....DPR-60, OCTOBER 29, 1974

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 11, 1984 - JUNE 10, (84-04): ROUTINE RESIDENT INSPECTION OF PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, TMI-2 ITEMS FOLLOW UP, ATWS PROCEDURE REVIEW, LICENSEE EVENT REPORT. THE INSPECTION INVOLVED A TOTAL 267 OF INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. ONE ITEM OF DEVIATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MEET AMENDMENT COMMITMENT).

INSPECTION ON MAY 7-11, (84-06): ROUTINE UNANNOUNCED INSPECTION OF MAINTENANCE WITH EMPHASIS ON ADMINISTRATIVE CONTROLS, LIMITORQUE CORPORATION VALVE OPERATORS, REACTOR COOLANT PRESSURE BOUNDARY FASTENERS, AND MAINTENANCE TRAINING. THE INSPECTION INVOLVED A TOTAL OF 96 INSPECTOR-HOURS ONSITE BY 4 NRC INSPECTORS. OF THE 4 AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 20-21, (84-07): SPECIAL, ANNOUNCED INSPECTION OF TEST PROCEDURES AND DATA FOR THE INSERVICE TESTING OF VALVES, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 20 INSPECTOR HOURS ONSITE BY TWO INSPECTORS. OF THE TWO AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ONE AREA. IN THE OTHER AREA ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO LEAK TEST VALVES).

ENFORCEMENT SUMMARY

10 CFR 50.59(A)(1) STATES, IN PART, THAT "THE HOLDER OF A LICENSE AUTHORIZING OPERATION OF A PRODUCTION OR UTILIZATION FACILITY MAY...(II) MAKE CHANGES IN THE PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT..., WITHOUT PRIOR COMMISSION APPROVAL, UNLESS THE PROPOSED CHANGE INVOLVES A CHANGE IN THE TECHNICAL SPECIFICATIONS INCORPORATED IN THE LICENSE OR AN UNREVIEWED SAFETY QUESTION." 10 CFR 50.59(B) STATES, IN PART, THAT "THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES...IN PROCEDURES MADE PURSUANT TO THIS SECTION, TO THE EXTENT THAT SUCH CHANGES...CONSTITUTE CHANGES IN PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT. THESE RECORDS SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION." THE LICENSEE'S JULY 17, 1981, ANALYSIS OF THE ADEQUACY OF THE STATION ELECTRICAL DISTRIBUTION SYSTEM WHICH WAS INCORPORATED BY REFERENCE IN THE UPDATED SAFETY ANALYSIS REPORT (REFERENCE 2 OF SECTION 8.10, PAGE 8.10-1) ASSUMED A MINIMUM PRE-TRIP 345 KV BUS VOLTAGE OF 348 KV. CONTRARY TO THE ABOVE, ON SOME OCCASIONS IN 1983 THE PLANT WAS OPERATED AT BUS VOLTAGES BETWEEN 342 KV AND 345 KV WITHOUT A PRIOR SAFETY EVALUATION. ALTHOUGH A SUBSEQUENT LICENSEE ANALYSIS INDICATES THAT OPERATING VOLTAGES SUBSTANTIALLY LOWER THAN 342 KV ARE ACCEPTABLE, THE LICENSEE DID NOT CONDUCT A SAFETY EVALUATION IN ADVANCE TO DETERMINE IF SUCH OPERATING VOLTAGES INVOLVED A UNREVIEWED SAFETY QUESTION.
(8322 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: JULY 9-13, 1984

INSPECTION REPORT NO: 84-09

REPORTS FROM LICENSEE

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: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

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	744.0	5,111.0	107,135.0
13. Hours Reactor Critical	.0	1,562.1	85,117.7
14. Rx Reserve Shtdwn Hrs	.0	.0	3,421.9
15. Hrs Generator On-Line	.0	1,561.2	81,908.3
16. Unit Reserve Shtdwn Hrs	.0	.0	909.2
17. Gross Therm Ener (MWH)	0	3,659,732	166,766,438
18. Gross Elec Ener (MWH)	0	1,213,148	54,471,876
19. Net Elec Ener (MWH)	-3,423	1,144,207	50,749,467
20. Unit Service Factor	.0	30.5	76.5
21. Unit Avail Factor	.0	30.5	77.3
22. Unit Cap Factor (MDC Net)	.0	29.1	61.6
23. Unit Cap Factor (DER Net)	.0	28.4	60.0
24. Unit Forced Outage Rate	.0	.0	5.9
25. Forced Outage Hours	.0	.0	2,728.0

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

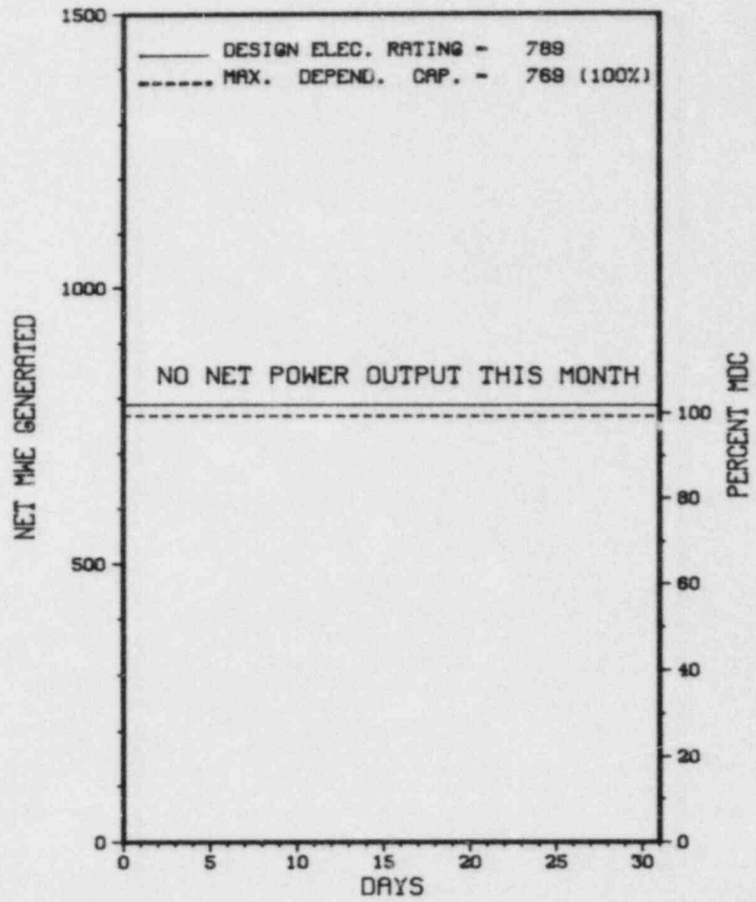
NONE

27. If Currently Shutdown Estimated Startup Date: 08/11/84

****
* QUAD CITIES 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-14	03/06/84	S	744.0	C	4		RC	FUELXX	UNIT ONE REMAINS SHUTDOWN FOR END OF CYCLE SEVEN REFUELING AND MAINTENANCE.

SUMMARY

QUAD CITIES 1 REMAINED SHUT DOWN FOR REFUELING AND MAINTENANCE DURING ALL OF JULY.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* QUAD CITIES 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....ROCK ISLAND

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY ..OCTOBER 18, 1971

DATE ELEC ENER 1ST GENER...APRIL 12, 1972

DATE COMMERCIAL OPERATE....FEBRUARY 18, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....A. MADISON

LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254

LICENSE & DATE ISSUANCE....DPR-29, DECEMBER 14, 1972

PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 18, MAY 3-4, 16-17, 24, JUNE 6-7 AND 29, (84-06): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES; INSPECTION AND REPAIR OF STAINLESS STEEL PIPING IN THE UNIT 1 DRYWELL, TORUS MODIFICATION; IE BULLETIN AND JET PUMP INSTRUMENTAL PENETRATION ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 69 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 11 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR REFUELING. EXPECTED STARTUP 8/06/84.

LAST IE SITE INSPECTION DATE: AUGUST 6-31, 1984

INSPECTION REPORT NO: 84-14

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-10	05/03/84	06/25/84	REACTOR SCRAM.

1. Docket: 50-265 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVE KIMLER (309) 654-2241 X192
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	744.0	5,111.0	106,245.0
13. Hours Reactor Critical	744.0	3,565.1	81,482.7
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	744.0	3,455.0	78,664.8
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	1,820,040	8,100,023	163,482,111
18. Gross Elec Ener (MWH)	580,384	2,619,090	52,054,848
19. Net Elec Ener (MWH)	554,452	2,494,629	48,829,503
20. Unit Service Factor	100.0	67.6	74.0
21. Unit Avail Factor	100.0	67.6	74.7
22. Unit Cap Factor (MDC Net)	96.9	63.5	59.8
23. Unit Cap Factor (DER Net)	94.5	61.9	58.3
24. Unit Forced Outage Rate	.0	4.1	8.4
25. Forced Outage Hours	.0	148.1	3,338.2

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

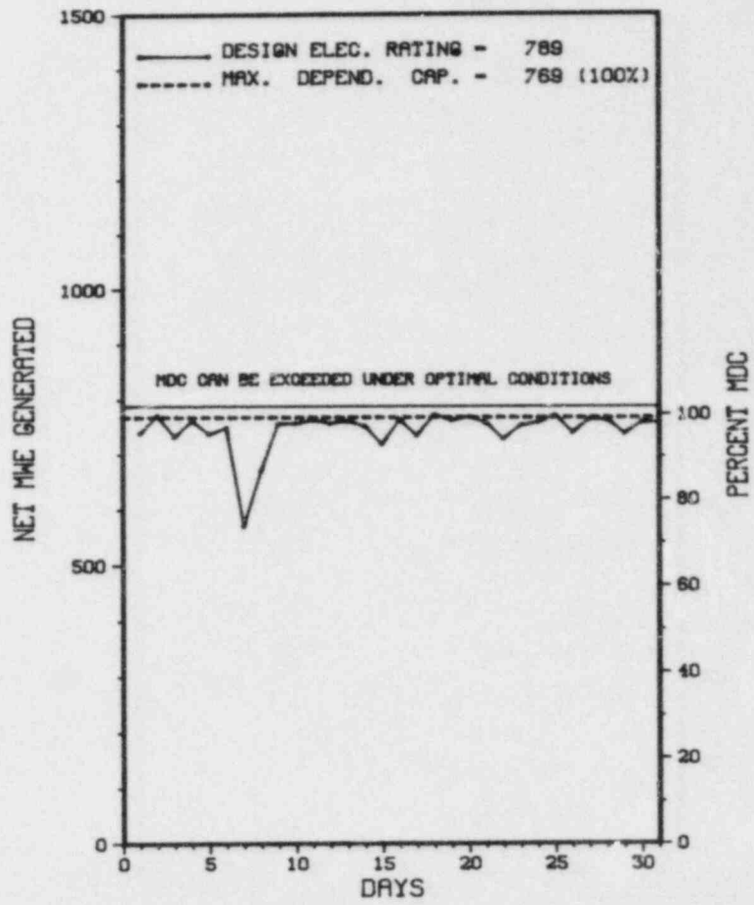
NONE

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

****
* QUAD CITIES 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-29	07/03/84	S	0.0	B	5		CH	DEMINX	REDUCED LOAD TO PERFORM CONDENSATE DEMINERALIZER CHANGEOVER.
84-30	07/04/84	S	0.0	H	5		IB	INSTRU	REDUCED LOAD DUE TO HIGH LPRM READING.
84-31	07/06/84	S	0.0	H	5		IB	INSTRU	REDUCED LOAD DUE TO HIGH LPRM READING.
84-32	07/07/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-33	07/15/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-34	07/17/84	S	0.0	B	5		CH	PUMPXX	REDUCED LOAD TO PERFORM TEST ON 2B REACTOR FEEDWATER PUMP.
84-35	07/22/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-36	07/29/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

SUMMARY

QUAD CITIES 2 OPERATED ROUTINELY IN JULY.

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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

****
* QUAD CITIES 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....ROCK ISLAND

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...APRIL 26, 1972

DATE ELEC ENER 1ST GENER...MAY 23, 1972

DATE COMMERCIAL OPERATE....MARCH 10, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....A. MADISON

LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265

LICENSE & DATE ISSUANCE....DPR-30, DECEMBER 14, 1972

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504 17TH STREET
MOLINE, ILLINOIS 61265

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 18, MAY 3-4, 16-17, 24, JUNE 6-7 AND 29, (84-05): REVIEW OF INSERVICE INSPECTION (ISI) ACTIVITIES; INSPECTION AND REPAIR OF STAINLESS STEEL PIPING IN THE UNIT 1 DRYWELL, TORUS MODIFICATION; IE BULLETIN AND JET PUMP INSTRUMENTAL PENETRATION ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 69 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 11 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: AUGUST 6-31, 1984

INSPECTION REPORT NO: 84-12

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06	06/01/84	06/25/84	WEEKLY POWER OPERATION SURV. INTERVAL EXCEEDED.
84-08	07/04/84	07/20/84	HPCI COOLING WATER RETURN VALVE FAILURE.

1. Docket: 50-312 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	81,432.0
13. Hours Reactor Critical	62.0	3,631.9	47,983.5
14. Rx Reserve Shtdwn Hrs	.0	790.9	10,104.7
15. Hrs Generator On-Line	59.8	3,504.6	46,046.8
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	142,221	8,549,909	114,461,251
18. Gross Elec Ener (MWH)	46,940	2,852,014	38,248,086
19. Net Elec Ener (MWH)	37,346	2,672,919	36,047,243
20. Unit Service Factor	8.0	68.6	56.5
21. Unit Avail Factor	8.0	68.6	58.0
22. Unit Cap Factor (MDC Net)	5.7	59.9	50.7
23. Unit Cap Factor (DER Net)	5.5	57.0	48.2
24. Unit Forced Outage Rate	92.0	31.4	28.2
25. Forced Outage Hours	684.2	1,606.4	18,016.4

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

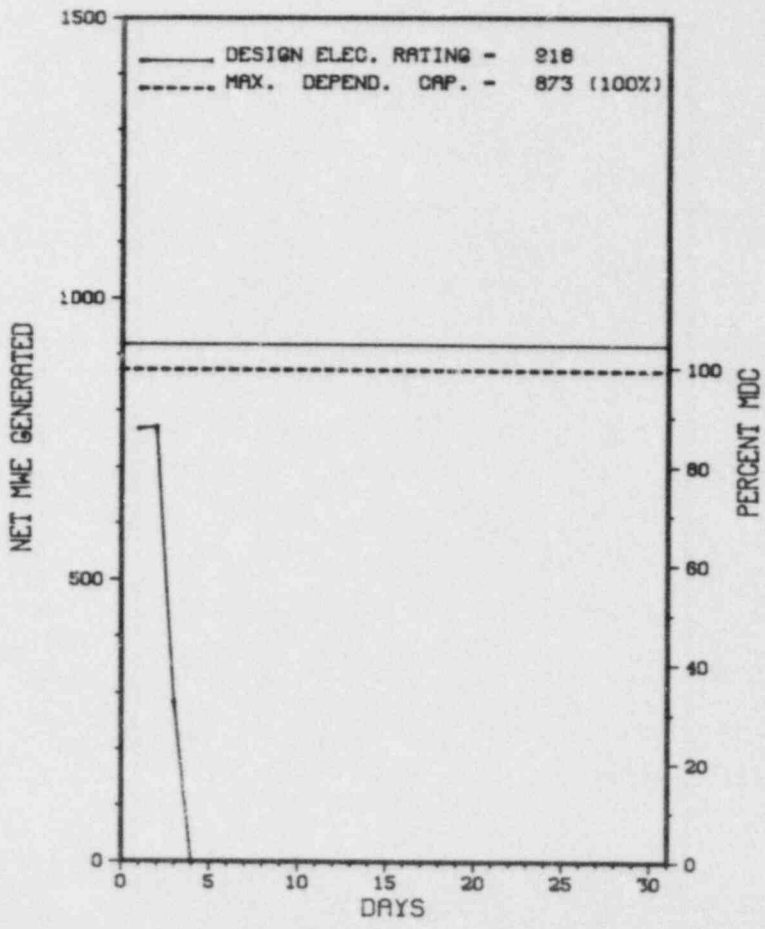
REFUELING - JANUARY 1985, THREE MONTHS

27. If Currently Shutdown Estimated Startup Date: 08/15/84

****
* RANCHO SECO 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* RANCHO SECO 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	07/03/84	F	684.2	A	1	84-20	CI	HTEXCH	"B" OTSG TUBE LEAK.

****
* SUMMARY *
****

RANCHO SECO 1 SHUT DOWN ON JULY 3 FOR A STEAM GENERATOR TUBE LEAK AND REMAINED SHUT DOWN 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* RANCHO SECO 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SACRAMENTO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974

DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974

DATE COMMERCIAL OPERATE....APRIL 17, 1975

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....FOLSOM CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT

CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....J. ECKHARD

LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE....DPR-54, AUGUST 16, 1974

PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 21-25, AND TELEPHONE DISCUSSION ON JUNE 12, 1984 (REPORT NO. 50-312/84-08) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF UNRESOLVED ITEMS (NUREG-0737, II.B.3, PASS AND OFFSITE DOSE CALCULATION CODE ERRORS), NUREG-0737, II.F.1 FOLLOWUP ITEMS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OFFSITE DOSE CALCULATIONS; CONTROL OF RADIOACTIVE MATERIALS; FOLLOWUP OF REPORTABLE OCCURRENCES; FOLLOWUP ON INFORMATION NOTICE; COMPLIANCE WITH 10 CFR 61 AND A FACILITY TOUR. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. TWO PREVIOUSLY IDENTIFIED UNRESOLVED ITEMS WERE EXAMINED BUT REMAIN UNRESOLVED.

+ INSPECTION ON APRIL 27 - JUNE 15, 1984 (REPORT NO. 50-312/84-09) AREAS INSPECTED: THIS ROUTINE INSPECTION WAS IN THE AREAS OF FOLLOWUP OF PLANT OPERATIONS; LICENSEE'S COMMITMENTS; OPERATION SAFETY VERIFICATION; AND PLANT MAINTENANCE. THE INSPECTION INVOLVED 236 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: OF THE AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF CALIBRATION OF NUCLEAR INSTRUMENTATION.

+ INSPECTION ON JUNE 18-22, 1984 (REPORT NO. 50-312/84-11) AREAS INSPECTED: AN ANNOUNCED, ROUTINE INSPECTION OF THE EMERGENCY PREPAREDNESS PROGRAM INCLUDING CORRECTIVE ACTION ON A NOTICE OF VIOLATION; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION MAKING NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; TRAINING; AUDITS OF THE

INSPECTION SUMMARY

EMERGENCY PREPAREDNESS PROGRAM AND THE METEOROLOGICAL PROGRAM. THE INSPECTION INVOLVED 155 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONTRACTOR TEAM MEMBERS. INSPECTION PROCECURES 82201, 82202, 82203, 82204, 82206 AND 82210 WERE COVERED.

RESULTS: OF THE EIGHT AREAS INSPECTED, NO SIGNIFICANT DEFICIENCIES OR VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED IN SIX OF THEM. TWO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED IN TWO OF THE AREAS (FAILURE TO PROVIDE INITIAL EMERGENCY PREPAREDNESS TRAINING TO TWO NEWLY APPOINTED SHIFT SUPERVISORS AND AN INADEQUATE METEROLOGICAL PROGRAM).

+ INSPECTION ON JUNE 25-29, 1984 (REPORT NO. 50-312/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 26 - JULY 6, 1984 (REPORT NO. 50-312/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 16 - JULY 18,. 1984 (REPORT NO. 50-312/84-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 24-25, 1984 (REPORT NO. 50-312/84-16) AREAS INSPECTED: THIS WAS A SPECIAL ANNOUNCED INSPECTION TO OBTAIN SELECTED ENVIRONMENTAL SAMPLES FOR INDEPENDENT MEASUREMENT VERIFICATION BY THE NRC. THE INSPECTION INVOLVED 24 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND 87 HOURS OF LABORATORY SAMPLE PREPARATION, ANALYSIS, AND EVALUATION EFFORT.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-312/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 23-31, 1984 (REPORT NO. 50-312/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 19 - AUGUST 24, 1984 (REPORT NO. 50-312-02/84-19) 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:

SHUTDOWN FOR MAINTENANCE.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: 07/19-08/24/84+

INSPECTION REPORT NO: 50-312/84-19+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-261 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: A. E. SCOTT (803) 383-4524
4. Licensed Thermal Power (MWt): 2300
5. Nameplate Rating (Gross MWe): 856 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	744.0	5,111.0	117,557.0
13. Hours Reactor Critical	.0	616.1	84,196.8
14. Rx Reserve Shtdwn Hrs	.0	38.9	1,675.5
15. Hrs Generator On-Line	.0	615.8	82,065.9
16. Unit Reserve Shtdwn Hrs	.0	.0	23.2
17. Gross Therm Ener (MWH)	0	783,895	162,875,180
18. Gross Elec Ener (MWH)	0	246,010	52,344,876
19. Net Elec Ener (MWH)	-1,497	211,961	49,431,585
20. Unit Service Factor	.0	12.0	69.8
21. Unit Avail Factor	.0	12.0	69.8
22. Unit Cap Factor (MDC Net)	.0	6.2	63.2
23. Unit Cap Factor (DER Net)	.0	5.9	60.1
24. Unit Forced Outage Rate	.0	17.2	14.6
25. Forced Outage Hours	.0	128.2	8,233.5

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

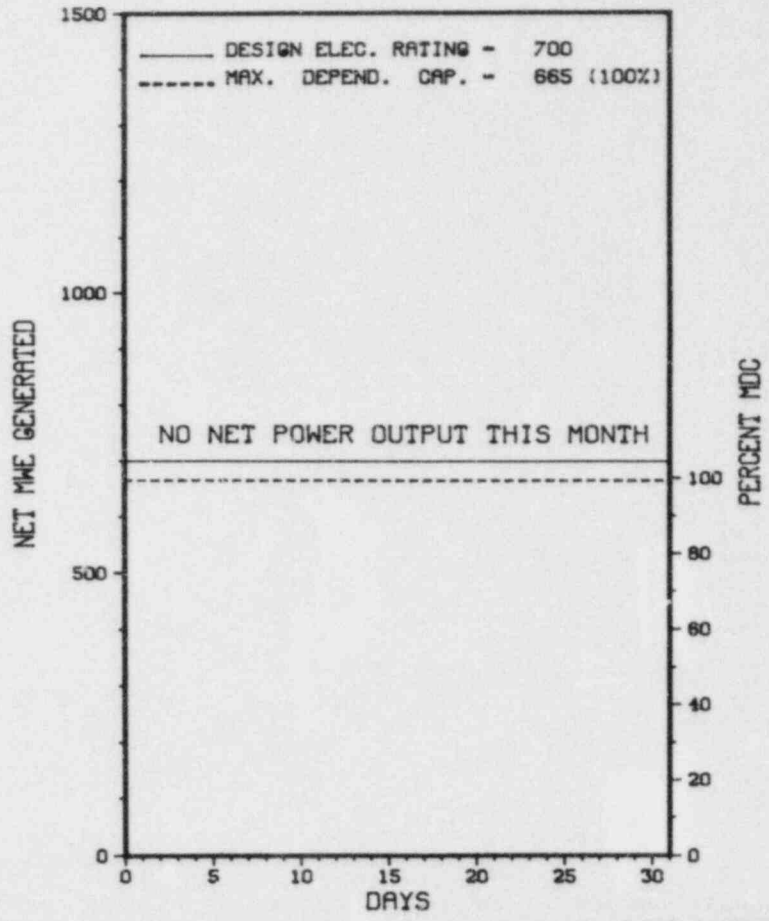
NONE

27. If Currently Shutdown Estimated Startup Date: 10/25/84

****
* ROBINSON 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

ROBINSON 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0701	01/26/84	S	744.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

*** SUMMARY ***

ROBINSON 2 CONTINUED IN A REFUELING AND MAINTENANCE SHUTDOWN FOR THE ENTIRE MONTH OF JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* ROBINSON 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....DARLINGTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970

DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970

DATE COMMERCIAL OPERATE....MARCH 7, 1971

CONDENSER COOLING METHOD...RECIRCULATION

CONDENSER COOLING WATER....ROBINSON IMPOUNDMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....S. WEISE

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 JULY 11 - AUGUST 10 (84-26): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 48 RESIDENT 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 NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, AND ENFORCEMENT ACTION FOLLOWUP. OF THE 15 AREAS INSPECTED, NO VIOLATION OR DEVIATIONS WERE IDENTIFIED IN 14 AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO ESTABLISH SUITABLE CONTROLS). NO APPARENT DEVIATION WAS FOUND IN ANY AREA.

INSPECTION JULY 25-27 (84-27): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFOCEMENT MATTERS, STEAM GENERATOR REPLACEMENT PROJECT, PRESERVICE INSPECTION/INSERVICE INSPECTION AND INSPECTOR FOLLOWUP ITEMS. TWO VIOLATIONS: FAILURE TO IDENTIFY VALVE STATUS, AND FAILURE TO FOLLOW RT CODE. NO DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN SECURITY RELATED EQUIPMENT INOPERABLE CONDITION.
(8421 5)

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V PERSONNEL FAILED TO FOLLOW POST WELD HEAT TREAT PROCEDURE.

(8422 5)

FAILURE TO IMPLEMENT TECHNICAL SPECIFICATION 6.5.1.1.1 PROCEDURES FOR DEFICIENCY IDENTIFICATION, RWP REQUIREMENTS, AND MAINTENANCE CONTROL.
(8423 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR STEAM GENERATORS TUBE BUNDLE REPLACEMENT.

LAST IE SITE INSPECTION DATE: JULY 10-13, 1984 +

INSPECTION REPORT NO: 50-261/84-25 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006	06/21/84	07/20/84	UNIT SHUTDOWN IN S/G REPLACEMENT OUTAGE AND FUEL IN SPENT FUEL PIT, A SAFETY INJECTION SIGNAL RECEIVED AT 1024 HRS.
84-008	06/26/84	07/26/84	CONDENSATE STORAGE TANK LEVEL TRANSMITTERS WERE IDENTIFIED AS OUT OF CALIBRATION, BOTH TRANSMITTERS WERE RECALIBRATED.
84-009	07/09/84	08/09/84	DATA REVEALED A NON-LINER ERROR OVER THE RANGE OF THE INSTRUMENTS, THE MOST LIKELY CAUSE WAS PERSONNEL ERROR.

1. Docket: 50-272 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. K. MILLER (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	744.0	5,111.0	62,136.0
13. Hours Reactor Critical	.0	1,237.6	34,388.8
14. Rx Reserve Shtdwn Hrs	.0	54.5	3,088.4
15. Hrs Generator On-Line	.0	1,197.8	32,975.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	3,800,023	99,621,600
18. Gross Elec Ener (MWH)	0	1,281,380	32,894,278
19. Net Elec Ener (MWH)	-3,067	1,206,565	31,177,877
20. Unit Service Factor	.0	23.4	53.1
21. Unit Avail Factor	.0	23.4	53.1
22. Unit Cap Factor (MDC Net)	.0	21.9	46.5
23. Unit Cap Factor (DER Net)	.0	21.7	46.0
24. Unit Forced Outage Rate	100.0	56.6	32.0
25. Forced Outage Hours	552.0	1,562.2	15,785.5

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

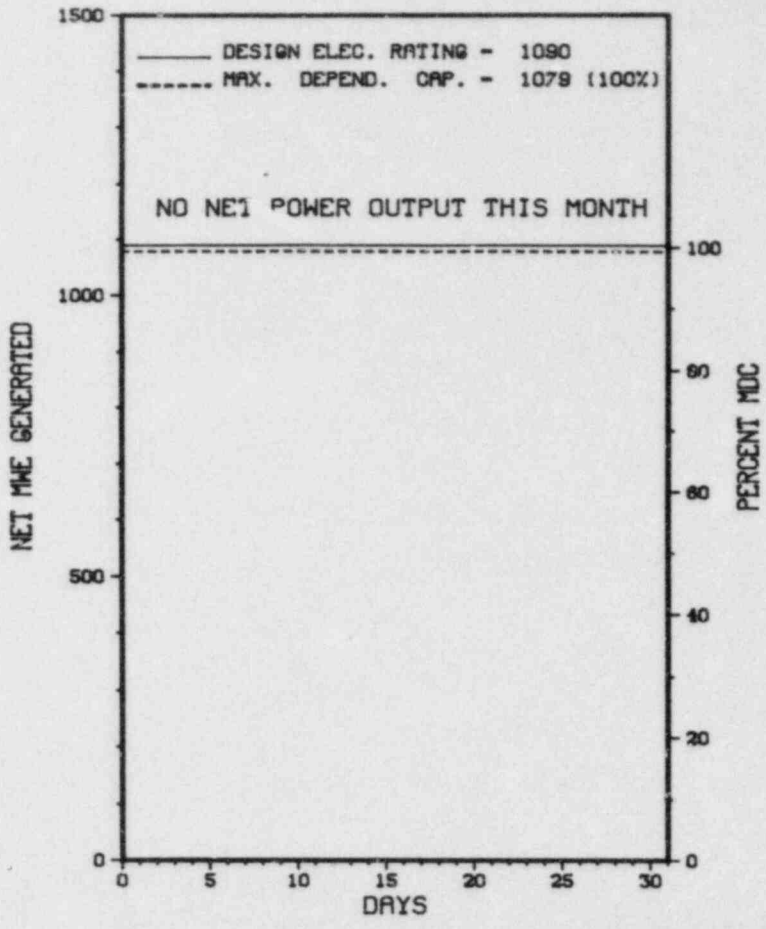
NONE

27. If Currently Shutdown Estimated Startup Date: 08/22/84

****
* SALEM 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SALEM 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-174	04/02/84	S	192.0	C	4		RC	FUELXX	NUCLEAR NORMAL REFUELING.
84-176	07/09/84	F	552.0	A	9		HA	GENERA	GENERATOR LIQUID COOLING SYSTEM.

SUMMARY

SALEM 1 COMPLETED REFUELING IN JULY AND REMAINED SHUT DOWN FOR A GENERATOR COOLING SYSTEM PROBLEM.

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)

****
* SALEM 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 11, 1976

DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976

DATE COMMERCIAL OPERATE....JUNE 30, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272

LICENSE & DATE ISSUANCE....DPR-70, DECEMBER 1, 1976

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CRITERION VI, APPENDIX B, 10 CFR 50 REQUIRES THAT MEASURES BE ESTABLISHED TO CONTROL THE ISSUANCE OF PROCEDURES. FURTHER CRITERION VI REQUIRES THAT THESE MEASURES SHALL ASSURE THAT DOCUMENTS ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. THE LICENSEE'S ENGINEERING DEPARTMENT ORGANIZATION AND DESIGN PROCEDURES DATED DECEMBER 1, 1980 STATES THAT THE DESIGN PROCEDURES PROVIDE COMPLIANCE WITH THE INTENT OF NRC REGULATORY GUIDE 1.64 FOR THE DESIGN OF NUCLEAR POWER PLANTS. THIS GUIDE ESTABLISHES OVERALL QUALITY ASSURANCE REQUIREMENTS FOR THE DESIGN OF NUCLEAR POWER PLANTS IN ACCORDANCE WITH APPENDIX B OF 10 CFR 50. THE LICENSEE ENGINEERING DEPARTMENT PROCEDURE ON DOCUMENT CONTROL REQUIRES THAT DESIGN DOCUMENTS BE CONTROLLED. CONTRARY TO THE ABOVE PSE&G PROCEDURE, "CRITERIA FOR CALCULATING EXPANSION BOLT LOADS WITH FLAT PLATE SUPPORTS", DATED AUGUST 3, 1979 IS NOT A CONTROLLED DOCUMENT MEETING THE LICENSEE'S STANDARD FORMAT, NOR DOES IT SHOW RELEASE BY AUTHORIZED PERSONNEL. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT 1) APPLICABLE TO DPR-70 AND SEVERITY LEVEL V (SUPPLEMENT II) APPLICABLE TO DPR-75. CRITERION VI, APPENDIX B, 10 CFR 50 REQUIRES THAT MEASURES BE ESTABLISHED TO CONTROL THE ISSUANCE OF PROCEDURES. FURTHER CRITERION VI REQUIRES THAT THESE MEASURES SHALL ASSURE THAT DOCUMENTS ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL. THE LICENSEE'S ENGINEERING DEPARTMENT ORGANIZATION AND DESIGN PROCEDURES DATED DECEMBER 1, 1980 STATES THAT

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. K. MILLER (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	744.0	5,111.0	24,552.0
13. Hours Reactor Critical	136.8	2,055.1	13,763.6
14. Rx Reserve Shtdwn Hrs	.0	1,443.0	3,533.6
15. Hrs Generator On-Line	129.8	1,899.4	13,316.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	399,636	6,143,345	39,614,417
18. Gross Elec Ener (MWH)	133,290	2,038,100	12,906,390
19. Net Elec Ener (MWH)	119,910	1,904,068	12,221,319
20. Unit Service Factor	17.4	37.2	54.2
21. Unit Avail Factor	17.4	37.2	54.2
22. Unit Cap Factor (MDC Net)	14.6	33.7	45.0
23. Unit Cap Factor (DER Net)	14.5	33.4	44.6
24. Unit Forced Outage Rate	82.6	62.8	35.7
25. Forced Outage Hours	614.2	3,211.6	7,394.7

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

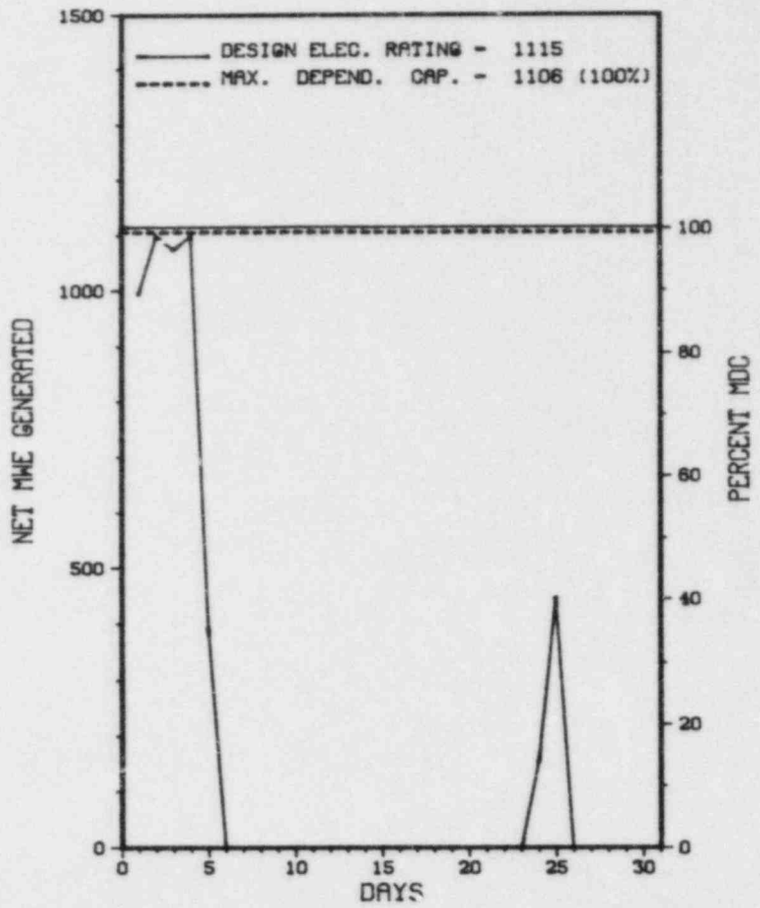
NONE

27. If Currently Shutdown Estimated Startup Date: 08/08/84

****
* SALEM 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SALEM 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-214	07/05/84	F	459.5	A	1		SF	PIPEXX	NUCLEAR HIGH PRESSURE PIPING CORE COOLING.
84-216	07/25/84	F	0.0	B	5		CG	INSTRU	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVE.
84-218	07/25/84	F	154.7	A	3		CJ	VALVEX	POWER OPERATED RELIEF AND SAFETY/RELIEF VALVES REACTOR.

****
* SUMMARY *
****

SALEM 2 EXPERIENCED 2 SHUTDOWNS IN JULY AS DISCUSSED ABOVE.

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

****
* SALEM 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1980

DATE ELEC ENER 1ST GENER...JUNE 3, 1981

DATE COMMERCIAL OPERATE....OCTOBER 13, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE....DPR-75, MAY 20, 1981

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-206 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	150,151.0
13. Hours Reactor Critical	.0	.0	88,440.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	84,821.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	108,263,946
18. Gross Elec Ener (MWH)	0	0	36,906,434
19. Net Elec Ener (MWH)	-1,111	-12,217	34,929,542
20. Unit Service Factor	.0	.0	56.5
21. Unit Avail Factor	.0	.0	56.5
22. Unit Cap Factor (MDC Net)	.0	.0	53.3
23. Unit Cap Factor (DER Net)	.0	.0	53.3
24. Unit Forced Outage Rate	.0	.0	21.9
25. Forced Outage Hours	.0	.0	11,178.3

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

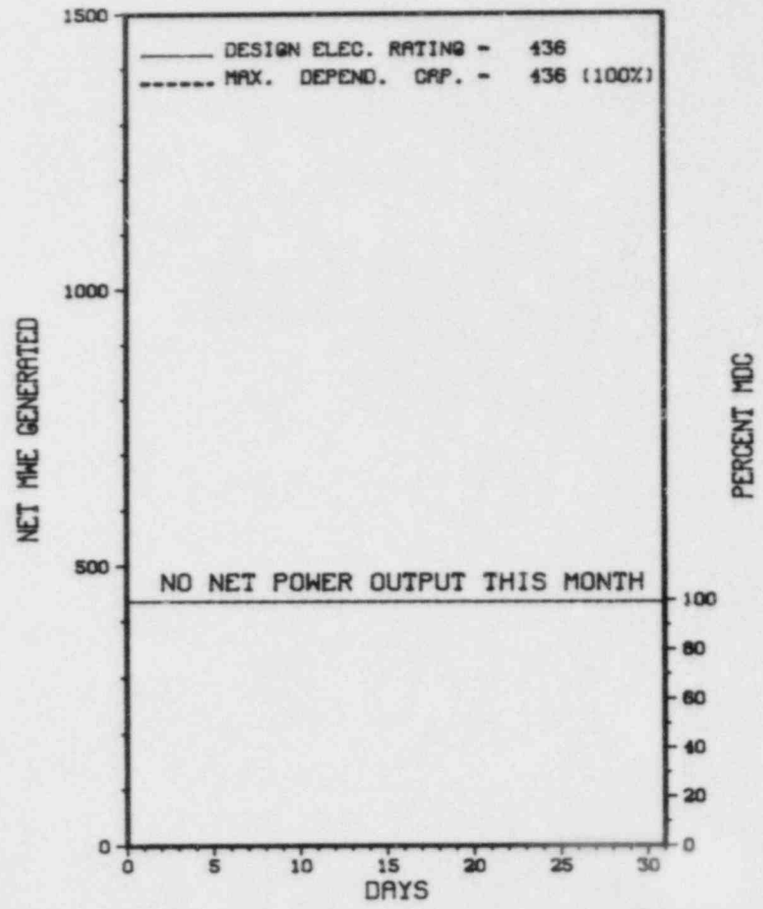
NONE

27. If Currently Shutdown Estimated Startup Date: 10/01/84

****
* SAN ONOFRE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SAN ONOFRE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	744.0	B	4		ZZ	ZZZZZZ	EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

****
* SUMMARY *
****

SAN ONOFRE 1 REMAINS SHUTDOWN FOR SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SAN ONOFRE 1 *
****

FACILITY DATA

Report Period JUL 1984

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.....E. MCKENNA
DOCKET NUMBER.....50-206

LICENSE & DATE ISSUANCE....DPR-13, MARCH 27, 1967

PUBLIC DOCUMENT ROOM.....SAN CLEMENTE BRANCH LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA 92672

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JUNE 4-8, 1984 (REPORT NO. 50-206/84-12) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PROGRAMS FOR PROCUREMENT; HANDLING; STORAGE; AND PRESERVATION OF SAFETY-RELATED MATERIALS. THE INSPECTION INCLUDED FOLLOWUP ACTIONS REQUIRED BY TEMPORARY INSTRUCTION 2730/1 AND FOLLOWUP ON UNRESOLVED ITEM 50-362/80-06-01. THE INSPECTION INVOLVED 51 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 30 - JUNE 10, 1984 (REPORT NO. 50-206/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-206/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 9-20, 1984 (REPORT NO. 50-206/84-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 26-29, 1984 (REPORT NO. 50-206/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-206/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-206/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

****
* SAN ONOFRE 1 *
****

INSPECTION SUMMARY

+ EXAMINATIONS ON JULY 10-13, 1984 (REPORT NO. 50-206/OL-84-01) WRITTEN AND ORAL EXAMINATIONS WERE ADMINISTERED TO FOUR SRO UPGRADE CANDIDATES AND A REACTOR OPERATOR CANDIDATE. ADDITIONALLY, AN ORAL EXAMINATION WAS ADMINISTERED TO AN SRO RETAKE CANDIDATE WHO HAD PREVIOUSLY PASSED THE WRITTEN EXAMINATION (WRITTEN EXAMINATION WAIVED). ALL CANDIDATES PASSED THESE EXAMINATIONS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

THE PLANT HAS REMAINED SHUTDOWN SINCE LATE FEBRUARY 1982, FOR SEISMIC UP-GRADING, TMI MODIFICATIONS, STEAM GENERATOR TUBE RE-EVALUATION, EMERGENCY CORE COOLING SYSTEM TESTS, AND ROUTINE MAINTENANCE. THESE PROJECTS ARE NEARING COMPLETION AND RESTART IS AWAITING NRC RESOLUTION OF THE SEISMIC ISSUE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT HAS BEEN IN COLD SHUTDOWN SINCE FEBRUARY 1982, FOR EXTENSIVE SEISMIC REWORK. IN JUNE 1983, THE LICENSEE SUBMITTED TO NRR DESCRIPTIONS OF TWO PLANS FOR SONGS UNIT 1 AS WELL AS AN INDICATION OF THE CONTINUING ACTIONS WHICH WILL BE TAKEN UNTIL THE RESUMPTION OF POWER OPERATION. GENERALLY, THE LICENSEE WILL CONTINUE WORK TO COMPLETE NECESSARY MODIFICATIONS TO MAINTAIN THE PLANT IN MODE 5. AT THIS POINT, MODIFICATION EFFORTS WILL CEASE, AND A HOLD ON UNIT 1 ACTIVITIES WILL BE ASSUMED UNTIL AN ACCORD IS REACHED WITH NRR ON THE PLAN FOR RETURNING UNIT 1 TO POWER.

LAST IE SITE INSPECTION DATE: 07/27-09/07/84+

INSPECTION REPORT NO: 50-206/84-19+

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
84-02-L0	03-09-84	04-09-84	SPURIOUS STARTING OF NO. TWO DIESEL GENERATOR

1. Docket: 50-361 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X 223
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	744.0	5,111.0	8,616.0
13. Hours Reactor Critical	150.0	3,379.5	5,992.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	131.0	3,285.8	5,847.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	377,677	10,691,317	19,184,852
18. Gross Elec Ener (MWH)	120,323	3,605,252	6,517,216
19. Net Elec Ener (MWH)	102,468	3,401,818	6,177,462
20. Unit Service Factor	17.6	64.3	67.9
21. Unit Avail Factor	17.6	64.3	67.9
22. Unit Cap Factor (MDC Net)	12.9	62.1	67.0
23. Unit Cap Factor (DER Net)	12.9	62.1	67.0
24. Unit Forced Outage Rate	.0	4.6	4.2
25. Forced Outage Hours	.0	156.8	257.7

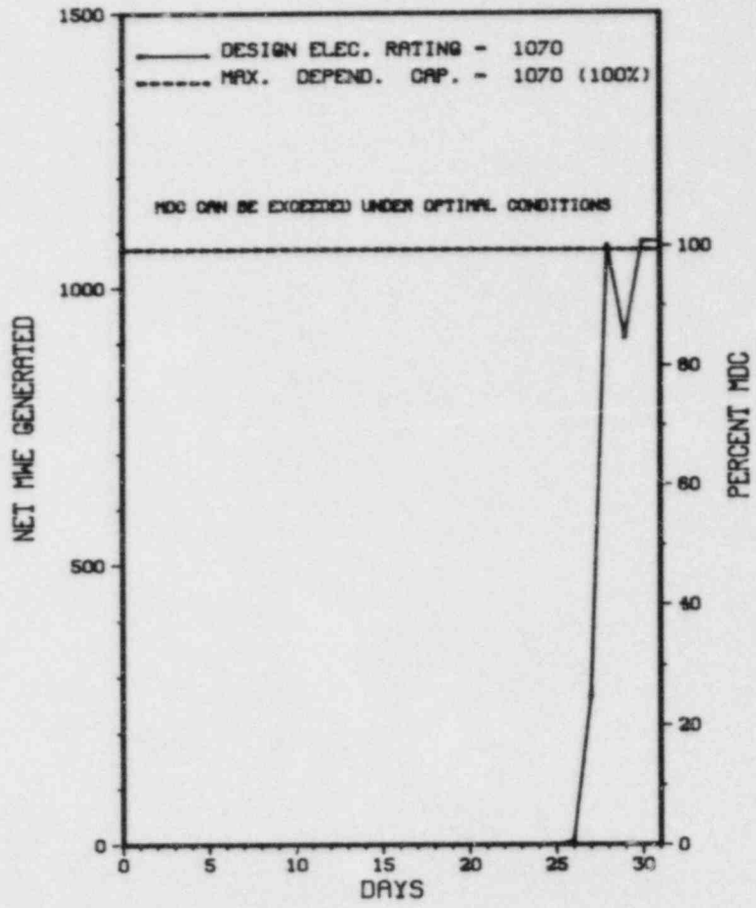
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING, NOVEMBER 1984, 4 MONTH DURATION

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

****
* SAN ONOFRE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/20/84	S	613.0	B	4				REPLACEMENT OF REACTOR COOLANT PUMP SEALS.

SUMMARY

SAN ONOFRE EXPERIENCED 1 SHUTDOWN IN JULY FOR RCS PUMP SEAL REPLACEMENT.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SAN ONOFRE 2 *
****

FACILITY DATA

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.....A. CHAFFEE

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE...., SEPTEMBER 7, 1982

PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JUNE 4-8, 1984 (REPORT NO. 50-361/84-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PROGRAMS FOR PROCUREMENT; HANDLING; STORAGE; AND PRESERVATION OF SAFETY-RELATED MATERIALS. THE INSPECTION INCLUDED FOLLOWUP ACTIONS REQUIRED BY TEMPORARY INSTRUCTION 2730/1 AND FOLLOWUP ON UNRESOLVED ITEM 50-362/80-06-01. THE INSPECTION INVOLVED 51 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 30 - JUNE 10, 1984 (REPORT NO. 50-361/84-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 14, 1984 (REPORT NO. 50-361/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-361/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 5-8, 1984 (REPORT NO. 50-361/84-19) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PRECRITICAL, LOW POWER, AND POWER ASCENSION TEST RESULTS DATA FOR UNITS 2 AND 3. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

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* SAN ONOFRE 2 *
****

INSPECTION SUMMARY

+ INSPECTION ON JUNE 18-21, 1984 (REPORT NO. 50-361/84-20) AREAS INSPECTED: THIS WAS A ROUTINE, ANNOUNCED, CONFIRMATORY MEASUREMENTS INSPECTION INVOLVING THE REGION V MOBILE LABORATORY. THE INSPECTION INVOLVED 68 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 26-29, 1984 (REPORT NO. 50-361/84-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 9-20, 1984 (REPORT NO. 50-361/84-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-361/84-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-361/84-24) 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:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED FEBRUARY 16, 1982. THE FULL POWER FACILITY OPERATING LICENSE WAS ISSUED SEPTEMBER 7, 1982, AS AMENDEMENT 7 TO THE LOW POWER LICENSE. THE PLANT COMMENCED COMMERCIAL OPERATION ON AUGUST 7, 1983.

PLANT STATUS:

STEADY OPERATION AT FULL POWER; PROBLEMS BEING EXPERIENCED WITH SEALS ON ONE REACTOR COOLANT PUMP.

LAST IE SITE INSPECTION DATE: 07/27-09/07/84+

INSPECTION REPORT NO: 50-361/84-24+

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
04-28-84	04-28-84	05-10-84	SPEC RPT-CONDENSER MONITOR RE-7818 00S 2RE-7870 REMOVED FROM SERVICE FOR SURVEILLANCE
05-14-84	05-14-84	05-25-84	SPEC RPT-PURGE/VENT MONITOR RE-7865 INOPERABLE-RETURNED TO SERVICE 5/21/84
31-44-L1	12-02-83	06-18-84	FOLLOWUP RPT-OXYGEN INLEAKAGE IN WASTE GAS SYSTEM DUE TO COMPRESSION FITTINGS-CORRECTIVE ACTION
84-23-L0	05-24-84	06-21-84	ACTUATION OF CONTROL RM ISOLATION SYSTEM (CRIS) DUE TO MONITOR RE-78-25 NOISE SPIKE-REV1 TO RPT
84-27-L0	05-02-84	06-01-84	GAS RELEASE DUE TO WASTE GAS COMPRESSOR CHECK VALVE FAILURE AND RUPTURE DISC FAIL-FIX W/ 2/3 DOWN
84-28-L0	05-05-84	06-04-84	GAS RELEASE-WASTE GAS SYSTEM PRESSURE CONTROL VALVE FAILURE-VALVE FAILED MECHANICALLY-REPLACED

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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: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223
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:
MDC NET & DER REFLECT AUXILIARY STATION LOADS.
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,927.0	2,927.0
13. Hours Reactor Critical	304.7	1,799.7	1,799.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	287.9	1,592.5	1,592.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	638,154	4,735,759	4,735,759
18. Gross Elec Ener (MWH)	266,226	1,635,312	1,635,312
19. Net Elec Ener (MWH)	242,494	1,522,799	1,522,799
20. Unit Service Factor	38.7	54.4	54.4
21. Unit Avail Factor	38.7	54.4	54.4
22. Unit Cap Factor (MDC Net)	30.2	48.2	48.2
23. Unit Cap Factor (DER Net)	30.2	48.2	48.2
24. Unit Forced Outage Rate	.0	1.0	1.0
25. Forced Outage Hours	.0	16.7	16.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 08/15/84

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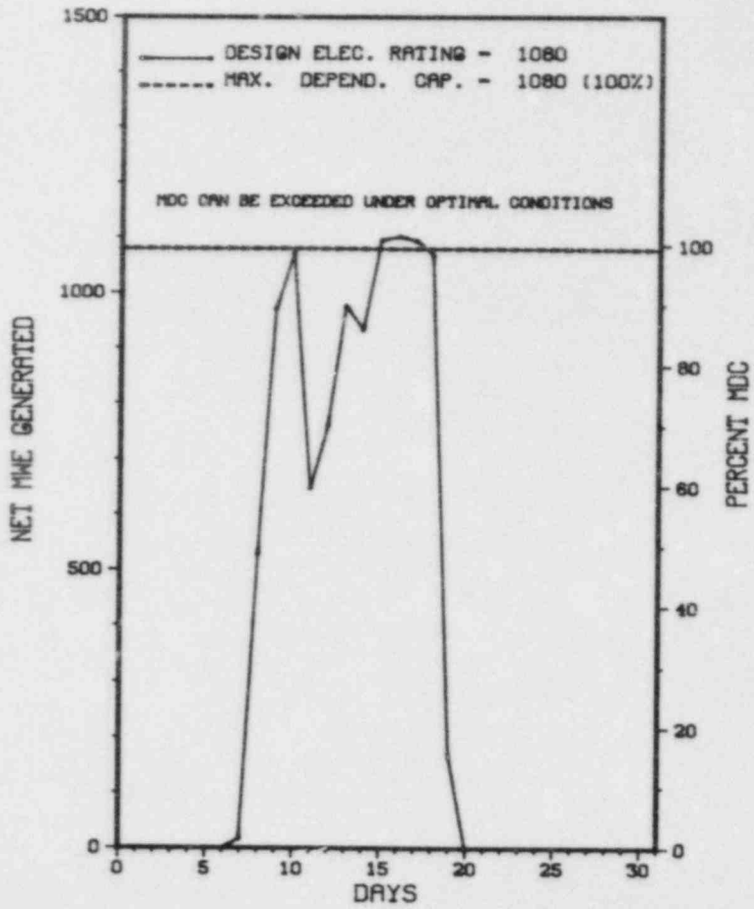
* SAN ONOFRE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/11/84	S	151.8	A	4				CONTINUATION OF SCHEDULED OUTAGE FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS.
6	07/19/84	S	304.3	B	2		AB	SG	REPAIR OF PRIMARY TO SECONDARY LEAK IN STEAM GENERATOR E-089.

SUMMARY

SAN ONOFRE 3 INCURRED 2 SHUTDOWNS IN JULY AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* SAN ONOFRE 3 *
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FACILITY DATA

Report Period JUL 1984

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 IST 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.....A. CHAFFEE

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JUNE 4-8, 1984 (REPORT NO. 50-362/84-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S PROGRAMS FOR PROCUREMENT; HANDLING; STORAGE; AND PRESERVATION OF SAFETY-RELATED MATERIALS. THE INSPECTION INCLUDED FOLLOWUP ACTION REQUIRED BY TEMPORARY INSTRUCTION 2730/1 AND FOLLOWUP ON UNRESOLVED ITEM 50-362/80-06-01. THE INSPECTION INVOLVED 51 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 30 - JUNE 10, 1984 (REPORT NO. 50-362/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-362/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 5-8, 1984 (REPORT NO. 50-362/84-19) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PRECRITICAL, LOW POWER, AND POWER ASCENSION TEST RESULTS DATA FOR UNITS 2 AND 3. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 18-21, 1984 (REPORT NO. 50-362/84-20) AREAS INSPECTED: THIS WAS A ROUTINE, ANNOUNCED, CONFIRMATORY MEASUREMENTS INSPECTION INVOLVING THE REGION V MOBILE LABORATORY. THE INSPECTION INVOLVED 68 INSPECTOR-HOURS ONSITE BY TWO NRC

INSPECTION SUMMARY

INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 26-19, 1984 (REPORT NO. 50-362/84-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 9-20, 1984 (REPORT NO. 50-362/84-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 23-27. 1984 (REPORT NO. 50-362/84-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 29 - SEPTEMBER 7, 1984 (REPORT NO. 50-362/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ABNORMALLY HIGH RADIATION LEVELS OBSERVED IN REACTOR COOLANT SYSTEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

SEVEN WEEK OUTAGE FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED NOVEMBER 15, 1982. THE FULL POWER LICENSE WAS ISSUED SEPTEMBER 16, 1983.

PLANT STATUS:

SHUTDOWN FOR MAINTENANCE AND TESTING.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 07/27-09/07/84+

INSPECTION REPORT NO: 50-362/84-24+

REPORTS FROM LICENSEE

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* SAN ONOFRE 3 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
05-24-84	05-24-84	06-07-84	SPEC RPT-WITH CONDENSER MONITOR 3RE-7818 DOS 3RE-7870 REMOVED FROM SERVICE FOR SURVEILLANCE
84-10-L0	04-24-84	05-22-84	CONTAINMENT PURGE ISO SYS ACTUATION CAUSED BY NOISE SPIKES CONTAINMENT MONITOR 3RT-7804
84-11-L0	02-27-84	03-28-84	DISCONNECTED LEADS IN PPS CABINETS
84-12-L0	03-30-84	04-30-84	MAIN STEAM ISOLATION VALVES INOPERABLE
84-14-L0	04-15-84	05-15-84	CHARGING PUMPS INOPERABLE
84-15-L0	04-27-84	05-29-84	DOSE EQUIVALENT IODINE LIMITS EXCEEDED
84-16-L0	04-28-84	05-23-84	RX TRIP BKR UNDERVOLTAGE DEVICE ANOMALY
84-17-L0	05-05-84	05-21-84	HIGH SG LEVEL TRIPS
84-18-L0	05-25-84	06-21-84	REACTOR TRIP BREAKER-SERIAL NO. 29 UNDERVOLTAGE DEVICE ANOMALY
84-19-L0	05-05-84	05-31-84	CONTAINMENT ISO VALVES SURVEILLANCE MISSED
84-20-L0	05-27-84	06-26-84	FAILURE TO COLLECT TIMELY SAMPLE CONDENSER EVAC MONITORS RT-7818 & 7870 OOS-DUE TO ISOL SAMP PUMP

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1. Docket: 50-327 OPERATING STATUS
2. Reporting Period: 07/01/84 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	744.0	5,111.0	27,043.0
13. Hours Reactor Critical	744.0	2,676.1	17,117.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,521.8	16,634.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,533,527	7,634,989	53,126,789
18. Gross Elec Ener (MWH)	831,710	2,499,950	17,881,086
19. Net Elec Ener (MWH)	803,282	2,391,807	17,168,735
20. Unit Service Factor	100.0	49.3	61.5
21. Unit Avail Factor	100.0	49.3	61.5
22. Unit Cap Factor (MDC Net)	94.0	40.8	55.3
23. Unit Cap Factor (DER Net)	94.0	40.8	55.3
24. Unit Forced Outage Rate	.0	32.7	21.7
25. Forced Outage Hours	.0	1,227.7	4,608.4

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

****
* SEQUOYAH 1 *
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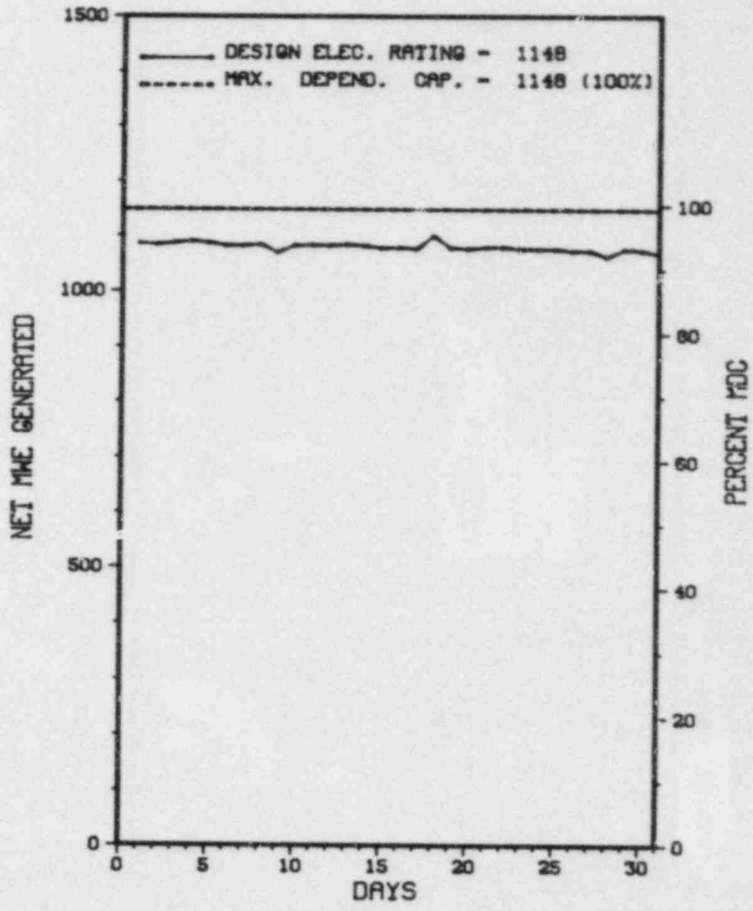
AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 1

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

NONE

SUMMARY

THERE WERE NO SHUTDOWNS OR POWER REDUCTIONS AT SEQUOYAH 1 IN JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report (LER) File (NUREG-0161)
			9-Other	

****
* SEQUOYAH 1 *
****

FACILITY DATA

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. STAHLE
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE....DPR-77, SEPTEMBER 17, 1980

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INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 18-20 (84-15): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6 - JULY 5 (84-17): THIS ROUTINE INSPECTION INVOLVED 69 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, INDEPENDENT INSPECTION EFFORT, SURVEILLANCE AND MAINTENANCE, AND LER REVIEW. OF THE SIX AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO WERE FOUND IN ONE AREA (FAILURE TO LOCK CONTAINMENT ISOLATION VALVE 1-33-704, AND FAILURE TO MAINTAIN CONTAINMENT CLEAR OF DEBRIS).

INSPECTION JULY 22-26 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL - PERSONNEL AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ESCORT VISITORS WHILE IN THE PROTECTED AREA, FAILURE TO PROPERLY SEARCH VEHICLES PRIOR TO ENTERING THE PROTECTED AREA AND FAILURE TO SECURE A DESIGNATED VEHICLE IN THE PROTECTED AREA.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: MAY 6 - JUNE 5, 1984

INSPECTION REPORT NO: 50-327/84-13

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-042	06/27/84	07/26/84	DUE TO AN INCOMPLETE MODIFICATION, RADIATION MONITOR 0-RE-90-225 WOULD NOT PROVIDE AUTOMATIC ISOLATION OF DIRECT RELEASES FROM THE NEUTRALIZATION TANK.
84-043	06/27/84	07/19/84	A THERMAL FIRE DETECTOR DISCOVERED INOPERABLE, REPLACED AND RETURNED TO SERVICE BEFORE ERROR WAS DISCOVERED.
84-044	07/05/84	08/03/84	SWITCH WAS RETURNED TO THE NORMAL FROM TEST PRIOR TO RESETTING OF THE SAFETY INJECTION SIGNAL, AUTOMATIC START OF THE REMAINING THREE DIESEL GENERATORS.
84-046	07/27/84	08/10/84	FAILURE TO COMPLY WITH APPENDIX R, FIRE WATCHES HAVE BEEN ESTABLISHED AS REQUIRED.
84-047	07/17/84	08/15/84	AN AUXILIARY BLDG VENTILATION ISOLATION (ABI) AND A CONTAINMENT BUILDING VENTILATION ISOLATION (CVI), A WIRE SLIPPED LOOSE ONTO THE INPUT OF A POWER SUPPLY.

1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 07/01/84 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	744.0	5,111.0	19,008.0
13. Hours Reactor Critical	744.0	5,035.4	15,396.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	704.8	4,959.0	15,113.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,105,415	16,351,509	48,769,576
18. Gross Elec Ener (MWH)	699,640	5,600,290	16,632,230
19. Net Elec Ener (MWH)	673,665	5,397,464	16,015,202
20. Unit Service Factor	94.7	97.0	79.5
21. Unit Avail Factor	94.7	97.0	79.5
22. Unit Cap Factor (MDC Net)	78.9	92.0	73.4
23. Unit Cap Factor (DER Net)	78.9	92.0	73.4
24. Unit Forced Outage Rate	.0	1.9	7.3
25. Forced Outage Hours	.0	94.4	1,196.2

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

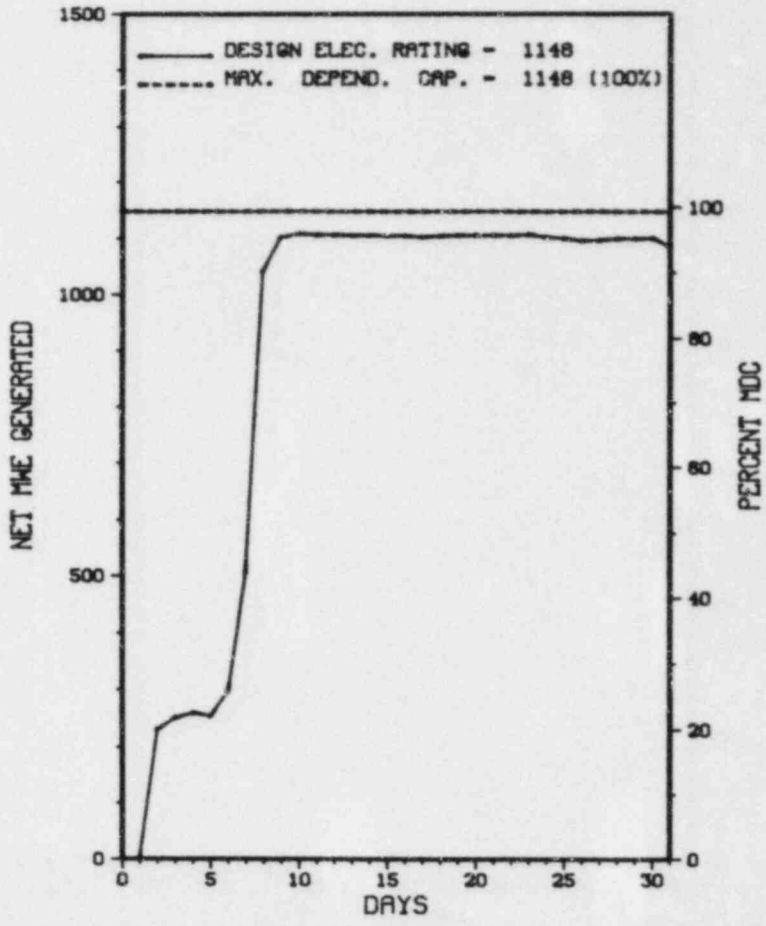
REFUELING/MODIFICATION- SEPT. 7, 1984-57 DAYS.

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

****
* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	06/29/84	S	39.2	B	4				MANUALLY SHUTDOWN TO REPAIR FEEDWATER DRAIN VALVE 3-526. REACTOR AT 2%.

SUMMARY

SEQUOYAH 2 CONTINUED SHUTDOWN FOR FEEDWATER DRAIN VALVE REPAIR UNTIL JULY 2.

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)

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period JUL 1984

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. STAHLE
DOCKET NUMBER.....50-328

LICENSE & DATE ISSUANCE....DPR-79, SEPTEMBER 15, 1981

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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 18-20 (84-15): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6 - JULY 5 (84-17): THIS ROUTINE INSPECTION INVOLVED 69 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, INDEPENDENT INSPECTION EFFORT, SURVEILLANCE AND MAINTENANCE, AND LER REVIEW. OF THE SIX AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO WERE FOUND IN ONE AREA (FAILURE TO LOCK CONTAINMENT ISOLATION VALVE 1-33-704, AND FAILURE TO MAINTAIN CONTAINMENT CLEAR OF DEBRIS).

INSPECTION JULY 22-26 (84-20): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL - PERSONNEL AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ESCORT VISITORS WHILE IN THE PROTECTED AREA, FAILURE TO PROPERLY SEARCH VEHICLES PRIOR TO ENTERING THE PROTECTED AREA AND FAILURE TO SECURE A DESIGNATED VEHICLE IN THE PROTECTED AREA.

****
* SEQUOYAH 2 *
****

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: MAY 6 - JUNE 5, 1984

INSPECTION REPORT NO: 50-328/84-13

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-010	06/20/84	07/19/84	4 VALVES WERE CLOSED AT 2020 CDT AFTER AN UPPER CONTAINMENT PURGE AND WERE NOT TESTED UNTIL 1005 TWO DAYS LATER.
84-011	07/13/84	08/10/84	CONTAINMENT BUILDING VENTILATION ISOLATION, THE SPURIOUS RADIATION ALARMS WERE RESET.

1. Docket: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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 0.39 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 822

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

6&7 INCREASED 5/25/83 BASED ON WATER TEMPS

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	66,719.0
13. Hours Reactor Critical	740.2	1,933.8	46,400.1
14. Rx Reserve Shtdwn Hrs	.0	.0	205.3
15. Hrs Generator On-Line	658.8	1,737.8	45,314.7
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	1,732,947	4,415,111	113,083,049
18. Gross Elec Ener (MWH)	579,010	1,469,480	36,843,355
19. Net Elec Ener (MWH)	547,296	1,370,862	34,700,562
20. Unit Service Factor	88.5	34.0	67.9
21. Unit Avail Factor	88.5	34.0	68.0
22. Unit Cap Factor (MDC Net)	89.5	32.6	63.3
23. Unit Cap Factor (DER Net)	88.6	32.3	62.7
24. Unit Forced Outage Rate	11.5	5.2	4.6
25. Forced Outage Hours	85.2	94.7	2,199.4

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

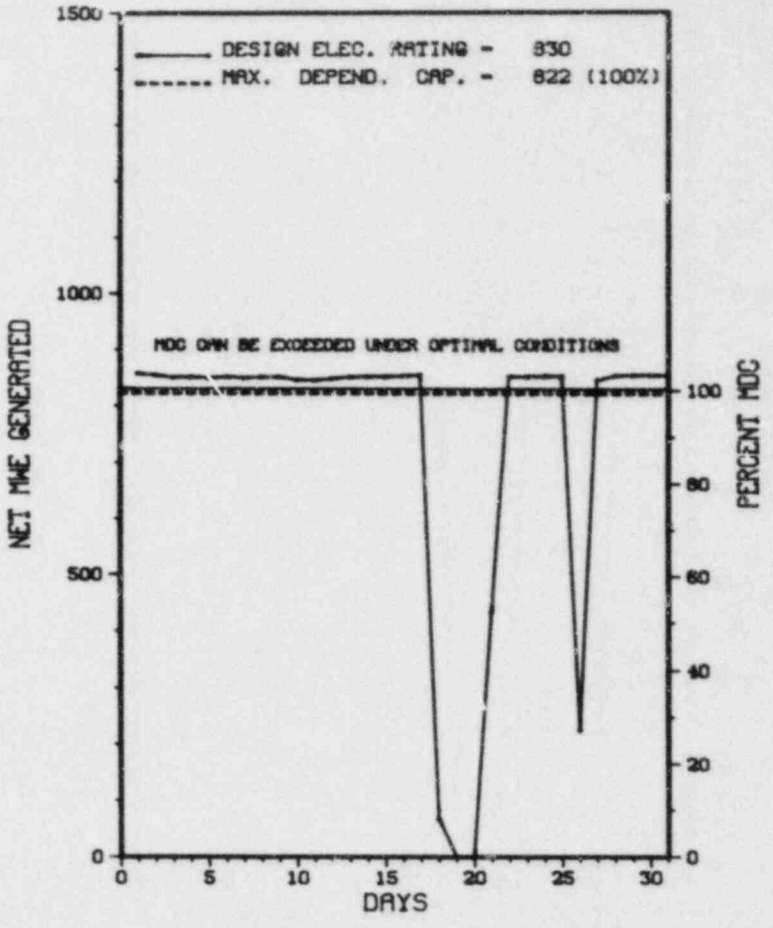
NONE

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

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

ST LUCIE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
06	07/18/84	F	73.9	A	1		HH	HTEXCH	THE UNIT WAS SHUTDOWN TO REPAIR A LEAKING CONDENSER TUBE PLUG. THE UNIT REMAINED SHUT DOWN UNTIL THE SECONDARY CHEMISTRY CONDITIONS RESULTING FROM THE TUBE PLUG LEAK WERE CORRECTED. FULL POWER OPERATIUN WAS ALSO DELAYED DUE TO SECONDARY CHEMISTRY CONDITIONS.
07	07/26/84	F	11.3	A	3	84-006	HH	INSTRU	A MALFUNCTION OF A CONDENSER VACUUM INSTRUMENT CAUSED A TURBINE AND REACTOR TRIP. THE UNIT WAS RETURNED TO POWER FOLLOWING THE MOST TRIP REVIEW.

SUMMARY

ST LUCIE 1 INCURRED 2 SHUTDOWNS IN JULY AS DISCUSSED ABOVE.

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

****
* ST LUCIE 1 *
****

FACILITY DATA

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.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976

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3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 11 (84-23): THIS ROUTINE RESIDENT INSPECTION INVOLVED 74 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, I.E. BULLETINS, UNIT 1 REACTOR TRIP, AND PREVIUOSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ DURING REFUELING OUTAGE, THE THERMAL SHIELD WITHIN THE REACTOR VESSEL WAS FOUND TO BE BROKEN. THE SHIELD HAS BEEN REMOVED.

FACILITY ITEMS (PLANS AND PROCEDURES):

****
* ST LUCIE 1 *
****

OTHER ITEMS

EXTENDED OUTAGE, RESTART PLANNED IN EARLY 1984.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-335/84-24 +

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
84-005	06/26/84	07/25/84	1B MSIV FAILED SHUT, CAUSING REACTOR TRIP, DUE TO FAILED RUPTURE DISC IN AIR SUPPLY TO VALVE OPERATORS TESTED AND RETURNED TO SERVICE.

1. Docket: 50-389 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 552-3675
4. Licensed Thermal Power (MWt): 2560
5. Nameplate Rating (Gross MWe): 0850
6. Design Electrical Rating (Net MWe): 804
7. Maximum Dependable Capacity (Gross MWe): 832
8. Maximum Dependable Capacity (Net MWe): 786
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	744.0	5,111.0	8,616.0
13. Hours Reactor Critical	744.0	5,092.4	8,319.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,956.6	8,087.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,900,263	12,564,694	20,222,638
18. Gross Elec Ener (MWH)	632,850	4,207,510	6,750,730
19. Net Elec Ener (MWH)	599,375	3,981,029	6,378,615
20. Unit Service Factor	100.0	97.0	93.9
21. Unit Avail Factor	100.0	97.0	93.9
22. Unit Cap Factor (MDC Net)	102.5	99.1	94.2
23. Unit Cap Factor (DER Net)	100.2	96.9	92.1
24. Unit Forced Outage Rate	.0	2.4	5.8
25. Forced Outage Hours	.0	124.3	498.9

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

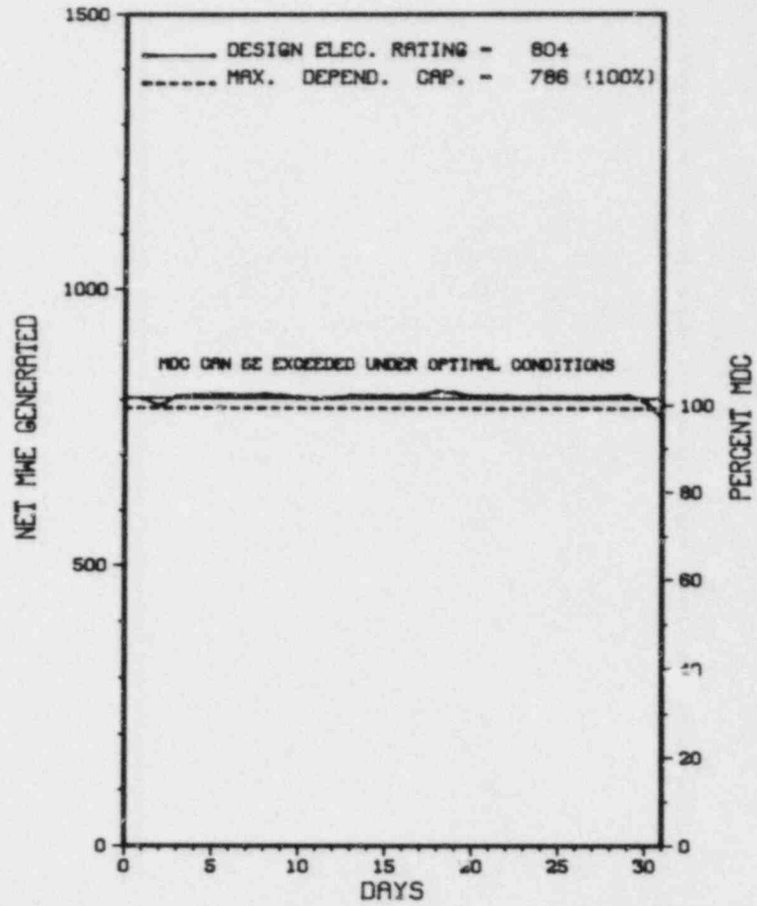
REFUELING, OCTOBER 1984, 7 WEEKS

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

****
* ST LUCIE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* ST LUCIE 2 *
****

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

NONE

****
* SUMMARY *
****

ST LUCIE 2 OPERATED IN JULY WITH NO SHUTDOWNS OR SIGNIFICANT 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* ST LUCIE 2 *
****

FACILITY DATA

Report Period JUL 1984

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.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-389

LICENSE & DATE ISSUANCE....NPF-16, JUNE 10, 1983

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY 3209 VIRGINIA AVENUE FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 11 (84-25): THIS ROUTINE RESIDENT INSPECTION INVOLVED 73 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, I.E. BULLETINS, UNIT 1 REACTOR TRIP, AND PREVIUOSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 9-13, 1984 +

INSPECTION REPORT NO: 50-389/84-26 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-395 OPERATING STATUS
2. Reporting Period: 07/01/84 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 MW): 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	744.0	5,111.0	5,111.0
13. Hours Reactor Critical	450.9	3,857.2	3,857.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	416.4	3,707.4	3,707.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	333,316	9,626,900	9,626,900
18. Gross Elec Ener (MWH)	267,820	3,202,533	3,202,533
19. Net Elec Ener (MWH)	247,805	3,051,029	3,051,029
20. Unit Service Factor	56.0	72.5	72.5
21. Unit Avail Factor	56.0	72.5	72.5
22. Unit Cap Factor (MDC Net)	37.6	67.1	67.5
23. Unit Cap Factor (DER Net)	37.0	66.3	66.3
24. Unit Forced Outage Rate	44.0	14.3	14.3
25. Forced Outage Hours	327.6	618.8	618.8

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

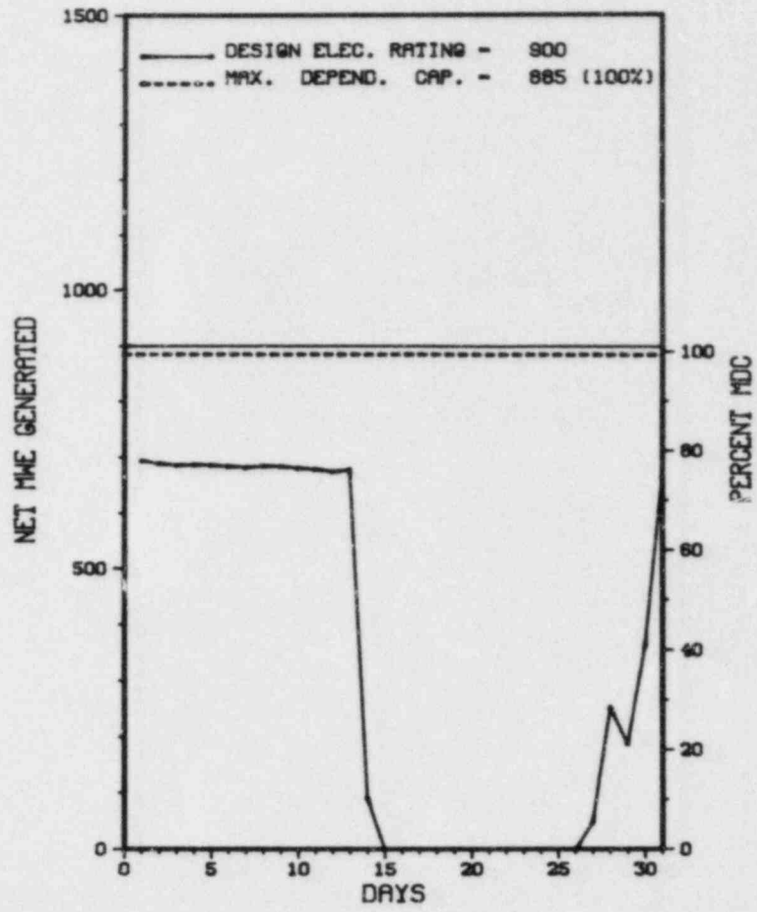
REFUELING, SEPTEMBER 1984, 60 DAYS.

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

****
* SUMMER 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SUMMER 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/14/84	F	321.2	A	1				SHUTDOWN TO REPAIR STEAM GENERATOR TUBE LEAK.
8	07/29/84	F	6.4	A	3				TRIP ON LO-LO STEAM GENERATOR LEVEL CAUSED BY FEEDWATER REG. VALVE ERRATIC OPERATION.

****
* SUMMARY *
****

THERE WERE 2 SHUTDOWNS AT SUMMER IN JULY AS DISCUSSED ABOVE.

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

****
* SUMMER 1 *
****

FACILITY DATA

Report Period JUL 1984

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 JULY 9-13 (84-17): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 82 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-18): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 98 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; AUDITS; PROCUREMENT CONTROL; RECEIPT, STORAGE, AND HANDLING OF EQUIPMENT AND MATERIALS; INDEPENDENT INSPECTION; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 23-27 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 26 INSPECTOR-HOURS ON SITE (TWO HOURS ON BACK-SHIFT) AND SIX INSPECTOR-HOURS AT THE CORPORATE OFFICE INSPECTING: SECURITY ORGANIZATION-PERSONNEL/RESPONSE, SECURITY PROGRAM AUDIT, TESTING AND MAINTENANCE, PHYSICAL BARRIERS-PROTECTED AREA/VITAL AREAS, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL-PERSONNEL/PACKAGES/ VEHICLES, AND ALARM STATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 23-27 (84-21): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF STEAM GENERATOR TUBE LEAKAGE, INSERVICE INSPECTION, INSERVICE TESTING OF PUMPS AND VALVES, AND INSPECTOR FOLLOWUP ITEMS - RELATED TO AIR HANDLING UNITS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION. (THE MAINTENANCE OUTAGE WAS COMPLETED 4/29 WHEN THE REACTOR WAS MADE CRITICAL.)

LAST IE SITE INSPECTION DATE: JUNE 1-30, 1984 +

INSPECTION REPORT NO: 50-395/84-20 +

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
84-028	06/29/84	07/19/84	STEAM INLET FLOW CONTROL VALVE TO TURBINE DRIVEN EMERGENCY FEEDWATER PUMP FAILED OPEN RESULTING IN INADVERTENT START.
84-029	07/13/83	08/10/84	DEFECTIVE BROWN BOVERI SPPED AND TRANSFER SWITCHES EQUIPMENT OPERABILITY CAN BE MAINTAINED TORQUED TO 60 FT./LBS.
84-030	04/12/84	08/10/84	COOLING UNIT, WAS FOUND TO HAVE BEEN SUPPLIED WITHOUT A COIL V-BRACE STRUCTURAL MEMBER. SCE&G RESTORED THE UNIT TO ITS ORIGINAL DESIGN CONDITION.
84-031	07/17/84	08/16/84	SEVEN ELECTRICAL CIRCUITS WERE NOT INCLUDED IN TABLE 3.8-1 OF TECHNICAL SPECIFICATION (TS), THE LICENSEE WILL SUBMIT A TS CHANGE.

1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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	744.0	5,111.0	101,759.0
13. Hours Reactor Critical	566.1	3,806.8	62,905.8
14. Rx Reserve Shtdwn Hrs	.0	9.3	3,774.5
15. Hrs Generator On-Line	553.0	3,733.8	61,600.6
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	1,032,229	8,416,246	142,816,859
18. Gross Elec Ener (MWH)	321,605	2,706,160	46,026,003
19. Net Elec Ener (MWH)	300,179	2,562,327	43,640,063
20. Unit Service Factor	74.3	73.1	60.5
21. Unit Avail Factor	74.3	73.1	64.2
22. Unit Cap Factor (MDC Net)	52.1	64.7	55.3
23. Unit Cap Factor (DER Net)	51.2	63.6	54.4
24. Unit Forced Outage Rate	.0	5.4	20.8
25. Forced Outage Hours	.0	212.3	12,424.1

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

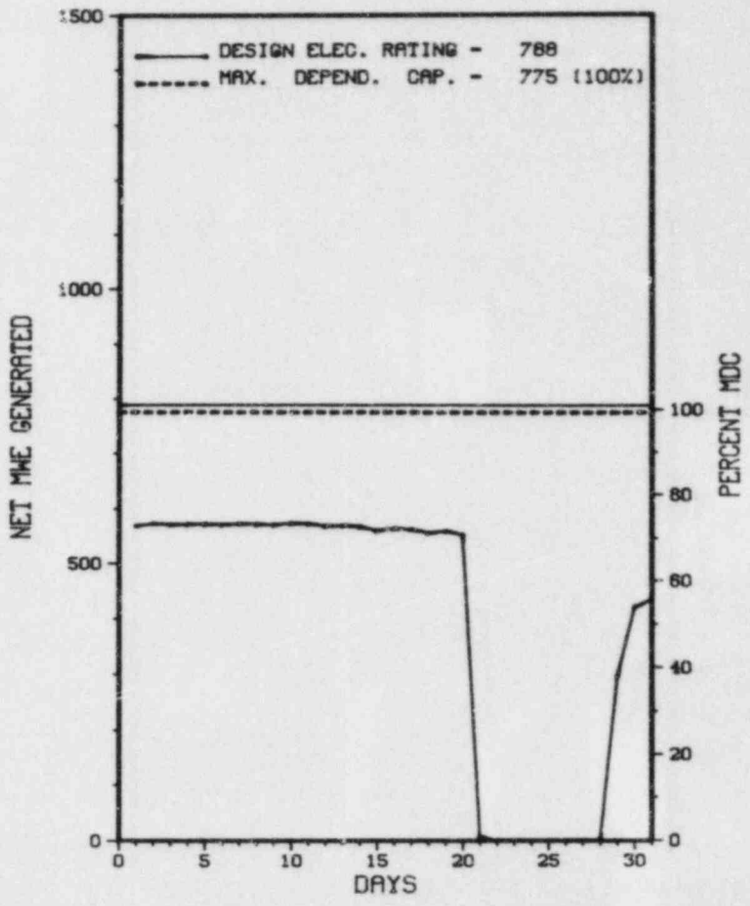
NONE

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

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SURRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-8	07/21/84	S	191.0	B	1				UNIT WAS SHUT DOWN FOR SCHEDULED SNUBBER OUTAGE.

SUMMARY

SURRY 1 INCURRED 1 SHUTDOWN IN JULY FOR A SCHEDULED SNUBBER 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SURRY 1 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL OPERATE....DECEMBER 22, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & 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.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-18 (84-21): THIS REACTIVE UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE FOLLOWUP OF LICENSEE EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 1-31 (84-22): THIS INSPECTION INVOLVED 110 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 OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-11 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.311(D)(3) REQUIRES THAT ANY LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH 10 CFR 61.55 AND 61.56. THE QUALITY CONTROL PROGRAM MUST INCLUDE AUDITS. CONTRARY TO THE ABOVE, THE REQUIREMENT TO CONDUCT A QUALITY CONTROL PROGRAM WHICH INCLUDE AUDITS WAS NOT MET, IN THAT NO AUDITS WHICH EVALUATED LICENSEE COMPLIANCE WITH THE REQUIREMENTS OF 10 CFR 61 HAD BEEN PERFORMED OR SCHEDULED.
(8418 5)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REDUCED POWER OPERATION.

LAST IE SITE INSPECTION DATE: JUNE 3-30, 1984 +

INSPECTION REPORT NO: 50-280/84-20 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-281 OPERATING STATUS
2. Reporting Period: 07/01/84 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	744.0	5,111.0	98,639.0
13. Hours Reactor Critical	730.9	4,358.3	62,928.9
14. Rx Reserve Shtdwn Hrs	.0	23.8	23.8
15. Hrs Generator On-Line	725.7	4,304.6	61,880.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,734,983	10,149,620	144,865,492
18. Gross Elec Ener (MWH)	549,485	3,239,005	47,028,864
19. Net Elec Ener (MWH)	520,129	3,068,743	44,575,803
20. Unit Service Factor	97.5	84.2	62.7
21. Unit Avail Factor	97.5	84.2	62.7
22. Unit Cap Factor (MDC Net)	90.2	77.5	58.3
23. Unit Cap Factor (DER Net)	88.7	76.2	57.3
24. Unit Forced Outage Rate	2.5	9.5	13.8
25. Forced Outage Hours	18.3	449.9	7,276.5

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

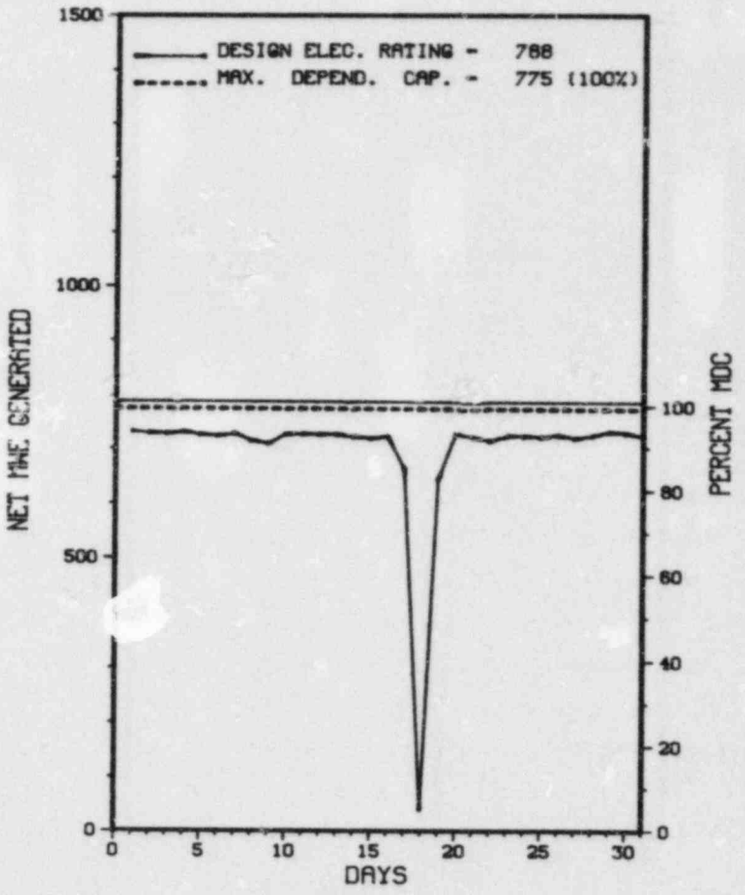
FALL MAINTENANCE-11/13/84- 10 DAYS

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

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

SURRY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-19	07/18/84	F	18.3	A	1				UNIT WAS SHUTDOWN TO BALANCE THE #2 L.P. TURBINE DUE TO EXCESSIVE VIBRATION. THREE ONE POUND BALANCING WEIGHTS WERE ADDED TO THE #2 L.P. TURBINE AND THE UNIT WAS RETURNED TO POWER. TURBINE WILL BE INSPECTED DURING REFUELING OUTAGE FOR REASON THAT CAUSED INITIAL VIBRATIONS.

SUMMARY

SURRY 2 EXPERIENCED 1 SHUTDOWN IN JULY AS DISCUSSED ABOVE.

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

****
* SURRY 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1973

DATE ELEC ENER 1ST GENER...MARCH 10, 1973

DATE COMMERCIAL OPERATE...MAY 1, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & 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..... SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

10 CFR 20.311(D)(3) REQUIRES THAT ANY LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH 10 CFR 61.55 AND 61.56. THE QUALITY CONTROL PROGRAM MUST INCLUDE AUDITS. CONTRARY TO THE ABOVE, THE REQUIREMENT TO CONDUCT A QUALITY CONTROL PROGRAM WHICH INCLUDE AUDITS WAS NOT MET, IN THAT NO AUDITS WHICH EVALUATED LICENSEE COMPLIANCE WITH THE REQUIREMENTS OF 10 CFR 61 HAD BEEN PERFORMED OR SCHEDULED.
(8419 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL AT POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JUNE 3-30, 1984 +

INSPECTION REPORT NO: 50-281/84-20 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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	744.0	5,111.0	10,080.0
13. Hours Reactor Critical	563.4	3,151.4	6,996.7
14. Rx Reserve Shtdwn Hrs	180.6	209.6	366.3
15. Hrs Generator On-Line	523.9	3,026.7	6,795.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,491,021	9,079,656	20,329,427
18. Gross Elec Ener (MWH)	481,250	2,965,470	6,632,020
19. Net Elec Ener (MWH)	461,555	2,853,780	6,390,153
20. Unit Service Factor	70.4	59.2	67.4
21. Unit Avail Factor	70.4	59.2	67.4
22. Unit Cap Factor (MDC Net)	60.1	54.1	61.4
23. Unit Cap Factor (DER Net)	58.3	52.4	59.5
24. Unit Forced Outage Rate	29.6	21.5	16.4
25. Forced Outage Hours	220.1	828.8	1,337.3

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

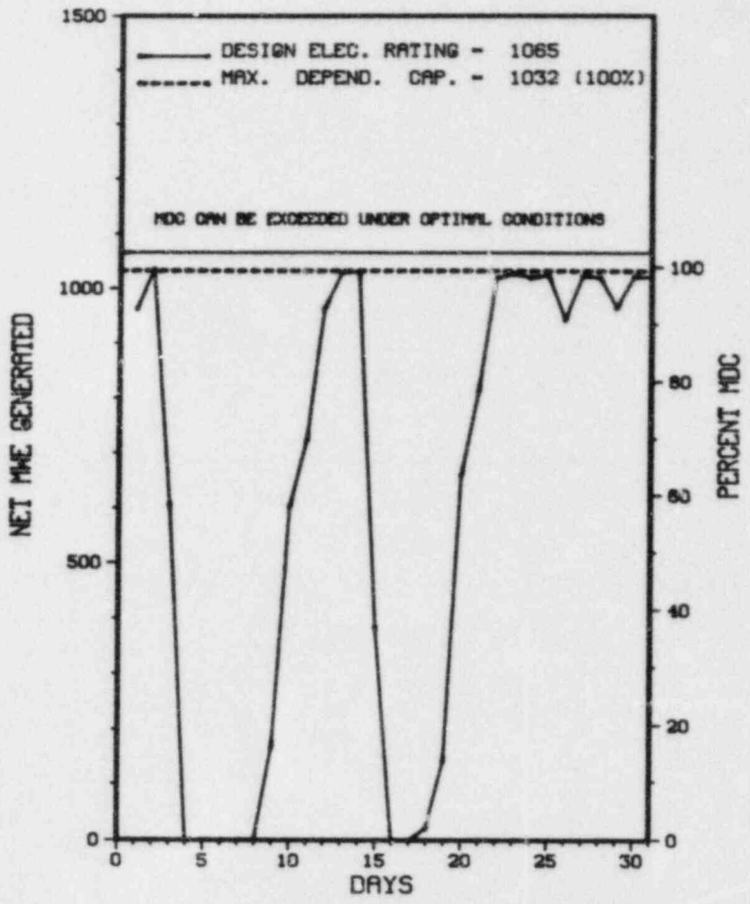
NONE

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

****
* SUSQUEHANNA 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SUSQUEHANNA 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/03/84	F	134.6	H	3	84-029	CH	INSTRU	THE UNIT SCRAMMED ON LOW VESSEL LEVEL CAUSED BY A MOMENTARY LOSS OF SIGNAL TO FEEDWATER AND REACTOR RECIRCULATION CIRCUITRY FOLLOWING A LIGHTNING STRIKE TO A TRANSMISSION LINE WHICH SUPPLIES THE STATION.
7	07/15/84	F	30.4	H	3	84-034	EA	ELECON	THE UNIT SCRAMMED ON TURBINE CONTROL VALVE FAST CLOSURES AS A RESULT OF A PHASE-TO-PHASE FAULT ON THE 230KV TRANSMISSION LINE.
8	07/16/84	F	26.4	A	3	84-033	HC	VALVEX	THE UNIT SCRAMMED ON TURBINE CONTROL VALVE FAST CLOSURE BY LOSS OF CONDENSER VACUUM.
9	07/18/84	F	28.7	G	3	84-035	HC	VALVEX	THE UNIT SCRAMMED DUE TO LOSS OF CONDENSER VACUUM.

****
* SUMMARY *
****

THERE WERE SEVERAL SHUTDOWNS AT SUSQUEHANNA 1 IN JULY AS DETAILED ABOVE.

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

****
* SUSQUEHANNA 1 *
****

FACILITY DATA

Report Period JUL 1984

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.....R. PERCH
DOCKET NUMBER.....50-387

LICENSE & DATE ISSUANCE....NPF-14, NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* 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.

REPORTS FROM LICENSEE

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

1. Docket: 50-388 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1065
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	683.0	683.0	683.0
13. Hours Reactor Critical	458.7	458.7	458.7
14. Rx Reserve Shtdwn Hrs	180.3	180.3	180.3
15. Hrs Generator On-Line	392.9	392.9	392.9
16. Unit Reserve Shtdwn Hrs	142.4	142.4	142.4
17. Gross Therm Ener (MWH)	474,034	474,034	474,034
18. Gross Elec Ener (MWH)	121,330	121,330	121,330
19. Net Elec Ener (MWH)	110,281	110,281	110,281
20. Unit Service Factor		NOT IN	
21. Unit Avail Factor		COMMERCIAL	
22. Unit Cap Factor (MDC Net)		OPERATION	
23. Unit Cap Factor (DER Net)			
24. Unit Forced Outage Rate			
25. Forced Outage Hours	60.2	60.2	60.2

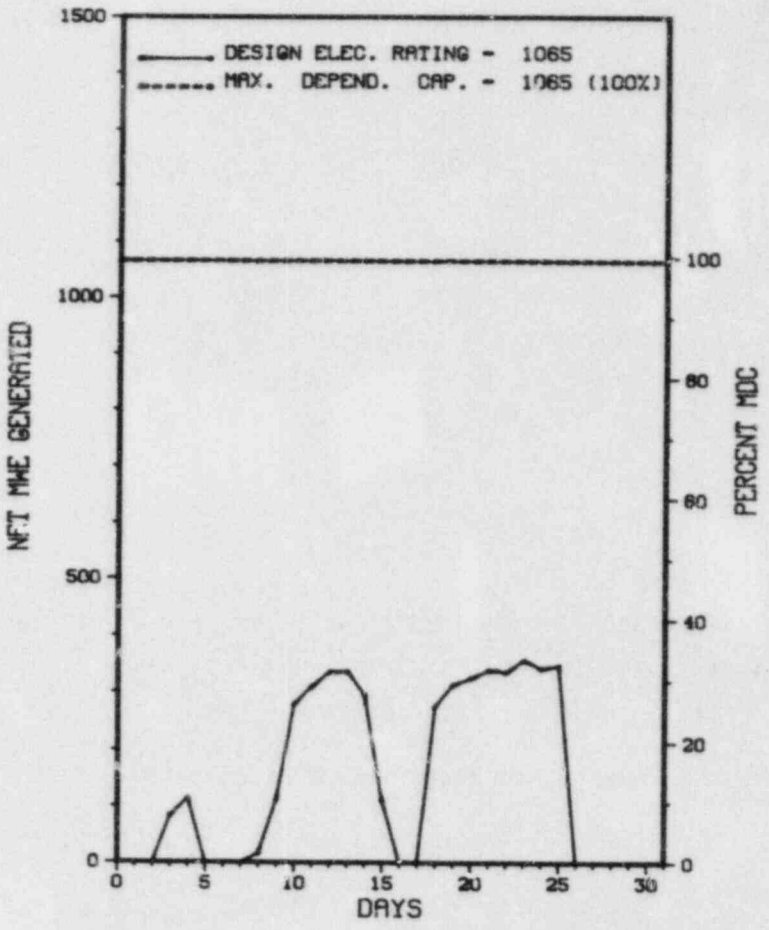
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE OUTAGE 10/27/84, 7 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 08/03/84

****
* SUSQUEHANNA 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SUSQUEHANNA 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	07/03/84	S	1.9	B	1				STARTUP TESTING.
2	07/05/84	S	85.6	B	2		ZZ	ZZZZZZ	REACTOR SCRAM FOR SCHEDULED STARTUP TESTING.
3	07/15/84	F	60.2	A	3	84-034	HC	RECOMB	REACTOR SCRAM DUE TO TURBINE TRIP CAUSED BY LOW CONDENSER VACUUM.
4	07/26/84	S	142.4	B	3	84-013	ZZ	ZZZZZZ	REACTOR SCRAM FOR SCHEDULED STARTUP TESTING. DUE TO AN INCORRECTLY COMPLETED ELECTRICAL LINEUP, THE DIESEL GENERATORS WERE PREVENTED FROM STARTING AND AN UNUSUAL EVENT WAS DECLARED. THE STARTUP TEST WAS SUBSEQUENTLY REPEATED AND COMPLETED SUCCESSFULLY.

****
* SUMMARY *
****

SUSQUEHANNA 2 GENERATED INITIAL ELECTRICITY ON JULY 3, 1984.

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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

****
* SUSQUEHANNA 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....LUZERNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 8, 1984

DATE ELEC ENER 1ST GENER...JULY 3, 1984

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

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.....R. PERCH
DOCKET NUMBER.....50-388

LICENSE & DATE ISSUANCE....NPF-22, JUNE 27, 1984

PUBLIC DOCUMENT ROOM.....

WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

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

****
* SUSQUEHANNA 2 *
****

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

1. Docket: 50-289 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/84 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	744.0	5,111.0	86,904.0
13. Hours Reactor Critical	.0	.0	31,731.8
14. Rx Reserve Shtdwn Hrs	.0	.0	839.5
15. Hrs Generator On-Line	.0	.0	31,180.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	76,531,071
18. Gross Elec Ener (MWH)	0	0	25,484,330
19. Net Elec Ener (MWH)	0	0	23,840,053
20. Unit Service Factor	.0	.0	35.9
21. Unit Avail Factor	.0	.0	35.9
22. Unit Cap Factor (MDC Net)	.0	.0	35.1*
23. Unit Cap Factor (DER Net)	.0	.0	33.5
24. Unit Forced Outage Rate	100.0	100.0	60.8
25. Forced Outage Hours	744.0	5,111.0	48,236.5

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

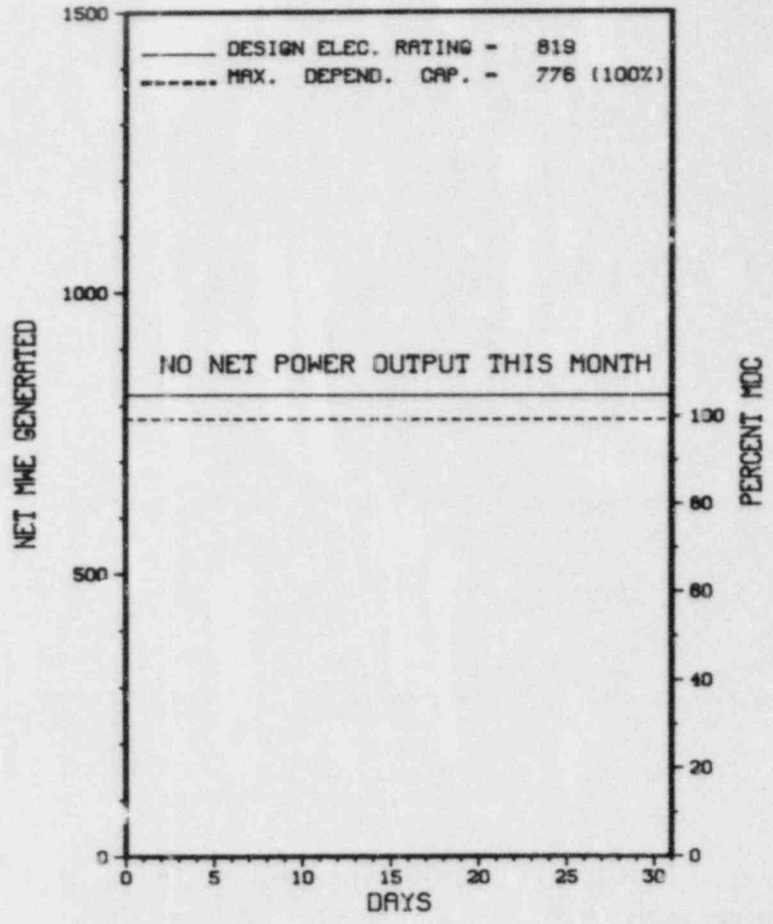
NONE

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

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 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				REGULATORY RESTRAINT ORDER CONTINUES.

SUMMARY

THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT AT TMI-2.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* THREE MILE ISLAND 1 *
****

FACILITY DATA

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. VANVLIET
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):

****
* THREE MILE ISLAND 1 *
****

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-344 OPERATING STATUS

2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: G. G. BAIR (503) 556-3713 X234

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 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	744.0	5,111.0	69,383.0
13. Hours Reactor Critical	.0	2,793.6	41,643.9
14. Rx Reserve Shtdwn Hrs	.0	.0	3,875.4
15. Hrs Generator On-Line	.0	2,776.2	40,330.3
16. Unit Reserve Shtdwn Hrs	.0	.0	3,237.0
17. Gross Therm Ener (MWH)	0	9,111,746	127,675,599
18. Gross Elec Ener (MWH)	0	2,940,315	41,515,806
19. Net Elec Ener (MWH)	-1,886	2,812,593	39,226,619
20. Unit Service Factor	.0	54.3	58.1
21. Unit Avail Factor	.0	54.3	62.8
22. Unit Cap Factor (MDC Net)	.0	51.0	52.3
23. Unit Cap Factor (DER Net)	.0	48.7	50.0
24. Unit Forced Outage Rate	.0	1.8	17.2
25. Forced Outage Hours	.0	50.3	8,352.1

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

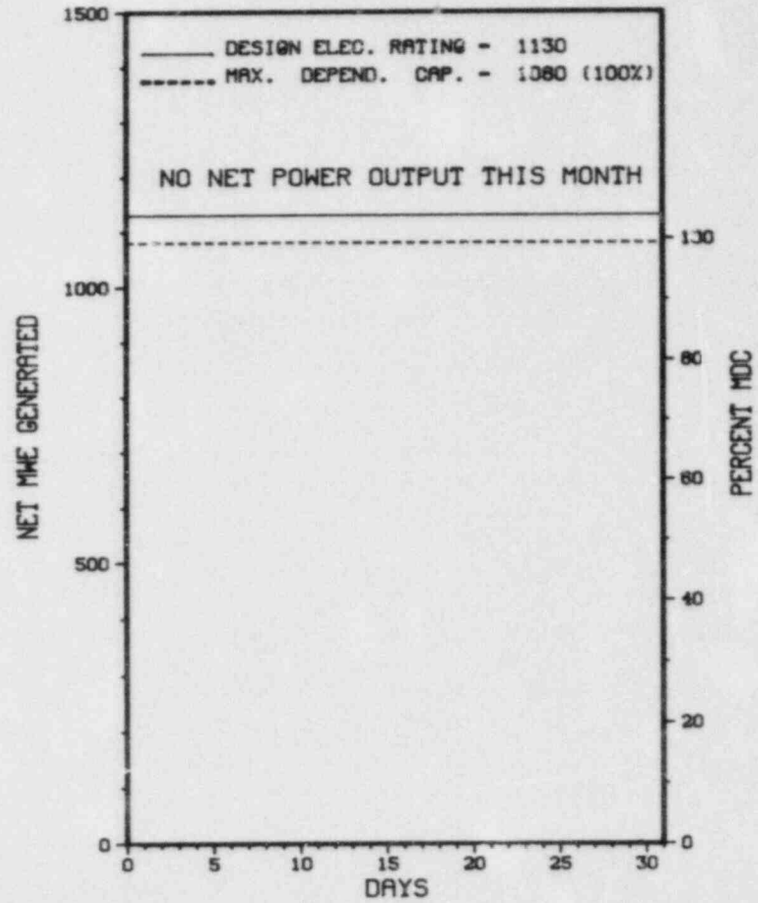
NONE

27. If Currently Shutdown Estimated Startup Date: 08/28/84

****
* TROJAN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



JULY 1984

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

TROJAN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	04/27/84	S	744.0	C	4	84-06	TA	ZZZZZZ	CONTINUED ANNUAL REFUELING/MAINTENANCE OUTAGE.

SUMMARY

TROJAN CONTINUES IN A REFUELING AND MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* TROJAN *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON

COUNTY.....COLUMBIA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...42 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....COLUMBIA RIVER

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.....G. JOHNSTON

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 MAY 14-18, AND MAY 29 - JUNE 1, 1984 (REPORT NO. 50-344/84-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF THE RADIATION PROTECTION PROGRAM DURING A REFUELING OUTAGE, INCLUDING: GENERAL EMPLOYEE TRAINING; CHEMISTRY AND RADIATION PROTECTION TECHNICIAN QUALIFICATION AND TRAINING; ORGANIZATION AND STAFFING; RECORDS AND REPORTS; PROCEDURES; CALIBRATION OF PORTABLE RADIATION SURVEY INSTRUMENTS; CONTROL OF RADIOACTIVE MATERIAL; RADIATION MONITORING SURVEYS; RESPIRATORY PROTECTION PROGRAM; EXTERNAL AND INTERNAL MONITORING PROGRAM; RADIOACTIVE WASTE MANAGEMENT PURSUANT TO RECENT NRC AND DOT REGULATORY REQUIREMENT CHANGES; POSTING AND LABELING; IE INFORMATION NOTICES; REVIEW OF ANNUAL AND SEMI-ANNUAL ENVIRONMENTAL SURVEILLANCE AND RADIOACTIVE EFFLUENT RELEASE REPORTS; ENVIRONMENTAL TECHNICAL SPECIFICATION MONITORING SURVEILLANCE PROGRAM; LICENSEE EVENT REPORTS; AND A TOUR OF ONSITE FACILITIES AND OF ENVIRONMENTAL MONITORING STATIONS. THE INSPECTION INVOLVED 56 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 4-8, 1984 (REPORT NO. 50-344/84-15) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF PLANT OPERATIONS, INCLUDING REACTOR INTERNALS MODIFICATIONS TO REVERSE THE BYPASS FLOW DIRECTION AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS REGARDING THE SCOPE OF THE CORPORATE QUALITY ASSURANCE AUDIT PROGRAM AND PROVISIONS FOR ASSESSING THE ADEQUACY OF THE QUALITY ASSURANCE PROGRAM. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON JULY 9-13, 1984 (REPORT NO. 50-344/84-16) AREAS INSPECTION: ROUTINE, UNANNOUNCED INSPECTION OF TRANSPORTATION, INFORMATION NOTICE FOLLOWUP AND A FACILITY TOUR. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 4 - JULY 11, 1984 (REPORT NO. 50-344/84-17) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUS INSPECTION ITEMS, REFUELING ACTIVITIES, THE LICENSEE'S PROGRAM TO FEEDBACK OPERATIONAL EXPERIENCE AT OTHER FACILITIES, AND THE LICENSEE'S MACHANISM TO ADDRESS EMPLOYEE CONCERNS. THE INSPECTION INVOLVED 273 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: ONE VIOLATION PERTAINING TO THE EVALUATION OF A TEMPORARY MODIFICATION WAS IDENTIFIED.

+ INSPECTION ON JULY 9 - AUGUST 30, 1984 (REPORT NO. 50-344/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 30 - AUGUST 3, 1984 (REPORT NO. 50-344/84-19) 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:

+ REFUELING.

LAST IE SITE INSPECTION DATE: 07/09-08/30/84+

INSPECTION REPORT NO: 50-344/84-18+

Report Period JUL 1984

REPORTS FROM LICENSEE

****
* TROJAN *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06-L0	04-27-84	05-25-84	AN AUTO REACTOR TRIP OCCURRED DUE TO 'C' SG LOW-LOW LEVEL FOL PLANT TEST THAT TRIPPED NO. MNFWPP
84-10-L0	05-04-84	06-01-84	RHR COOLING WAS LOST DUE TO AIR IN SUCTION OF A PUMP.
84-11-L0	05-08-84	06-07-84	WHILE RECALIBRATING DURING REFUELING ON SSPS INADVERTENT SAFETY INJECTION OCCURRED

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1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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	744.0	5,111.0	102,176.6
13. Hours Reactor Critical	637.9	4,163.7	72,189.0
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	631.8	4,058.3	69,980.5
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	1,386,143	8,713,493	144,202,085
18. Gross Elec Ener (MWH)	442,225	2,806,765	46,017,330
19. Net Elec Ener (MWH)	418,797	2,657,621	43,570,638
20. Unit Service Factor	84.9	79.4	68.5
21. Unit Avail Factor	84.9	79.4	68.6
22. Unit Cap Factor (MDC Net)	84.5	78.1	65.8*
23. Unit Cap Factor (DER Net)	81.2	75.0	61.5
24. Unit Forced Outage Rate	15.1	10.7	5.7
25. Forced Outage Hours	112.2	484.3	3,664.4

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

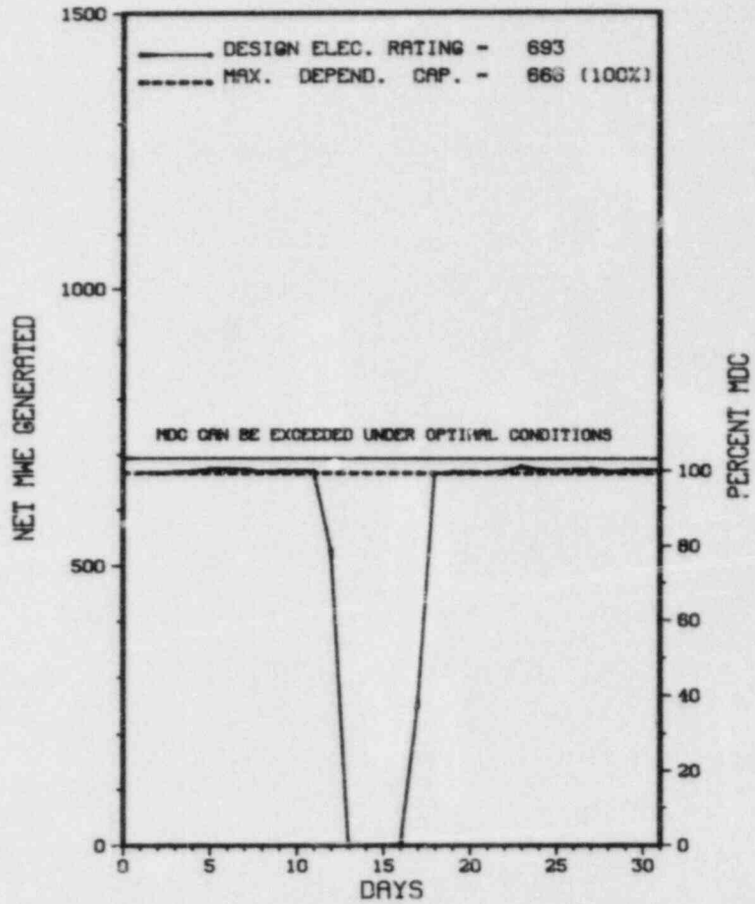
NONE

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

****
* TURKEY POINT 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	07/12/84	F	112.2	A	1	84-21	CB	VALVEX	RCS LEAKAGE FROM AN INSTRUMENT ISOLATION VALVE GLAND REQUIRED SHUTDOWN PER TECH SPECS. THE VALVE WAS REPAIRED AND THE UNIT RETURNED TO POWER.

SUMMARY

TURKEY POINT 3 EXPERIENCED 1 SHUTDOWN IN JULY FOR INSTRUMENT ISOLATION VALVE GLAND LEAKAGE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	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)

****
* TURKEY POINT 3 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE... .....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 20, 1972

DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972

DATE COMMERCIAL OPERATE....DECEMBER 14, 1972

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. PEEBLES

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 8-26 (84-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 49 INSPECTOR-HOURS ON SITE INCLUDING 22 HOURS ON BACKSHIFT, IN THE AREAS OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, MONTHLY SURVEILLANCE, MONTHLY MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES WALKDOWN, INDEPENDENT INSPECTION AND EXIT INTERVIEW. IN ADDITION, A MANAGEMENT MEETING WAS HELD ON SITE ON JANUARY 26, 1984, THE PERSONNEL IN ATTENDANCE AND THE SUBJECT MATTER ARE ADDRESSED IN PARAGRAPH 10. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; TWO VIOLATIONS WERE FOUND IN FIVE AREAS (FAILURE TO IMPLEMENT MANAGEMENT CONTROL; INOPERABLE AUXILIARY FEEDWATER PUMPS) AND ONE DEVIATION FROM A COMMITMENT WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT TMI TASK ACTION PLAN ITEM I.C.6 - INDEPENDENT VERIFICATION).

INSPECTION MAY 7 - JUNE 9 (84-18): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 131 INSPECTOR-HOURS ON SITE, INCLUDING 53 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT ITEMS, IE BULLETIN FOLLOWUP, IE CIRCULAR FOLLLOWUP, LER FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, EMERGENCY SAFETY FEATURES WALKDOWN, PLANT TRIPS, REFUELING, FIRE PROTECTION, SPENT FUEL POOL ACTIVITIES, INDEPENDENT INSPECTION AND EXIT INTERVIEW. OF THE FOURTEEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIRTEEN AREAS; AND ONE VIOLATION WAS FOUND IN THE AREA OF OPERATIONAL SAFETY (FAILURE TO ESTABLISH AND IMPLEMENT AN ADEQUATE PROCEDURE).

INSPECTION JUNE 4-8 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 39 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 25-29 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ONSITE (8 HOURS ON BACKSHIFT)

INSPECTION SUMMARY

INSPECTED: SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

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. CONTRARY TO THE ABOVE, ON MAY 12, 1984, AN ADEQUATE PROCEDURE TO CALCULATE ESTIMATED CRITICAL CONDITIONS HAD NOT BEEN ESTABLISHED OR IMPLEMENTED IN THAT AN ERROR EXISTING IN OPERATING PROCEDURE 1009.1, DATED APRIL 10, 1984, PRECLUDED USING THE PROCEDURE TO REACH AN ACCURATE ESTIMATE OF CRITICAL CONDITIONS.

(8418 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ PEP IN PROGRESS.

PLANT STATUS:

OPERATING.

LAST IE SITE INSPECTION DATE: JUNE 25-29, 1984 +

INSPECTION REPORT NO: 50-250/84-21 +

REPORTS FROM LICENSEE

TURKEY POINT 3

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	07/17/84	07/24/84	TURKEY POINT PLANT WAS NOTIFIED BY BECHTEL POWER CORPORATION AND POWER PLANT ENGINEERING OF A 10 CFR PART 21 DEFICIENCY CONCERNING THE CONTROL CIRCUITRY FOR PRESSURE CONTROLLERS.
84-020	07/12/84	08/10/84	REACTOR COOLANT SYSTEM LEAK OF APPROXIMATELY 13.5 GPM, THE CAUSE WAS LEAKAGE DUE TO A BROKEN GLAND FLANGE.

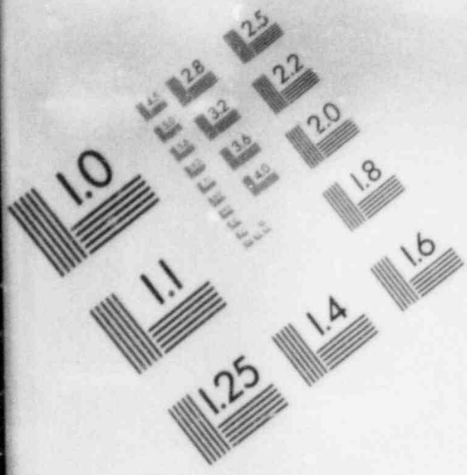
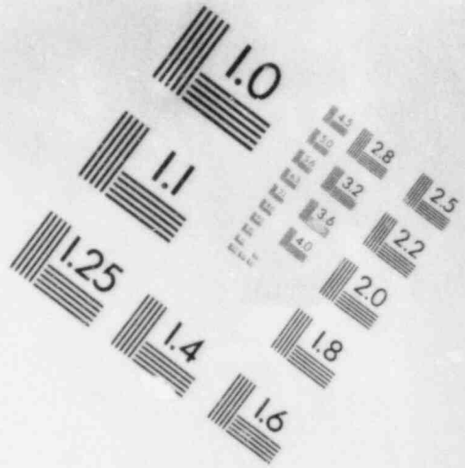
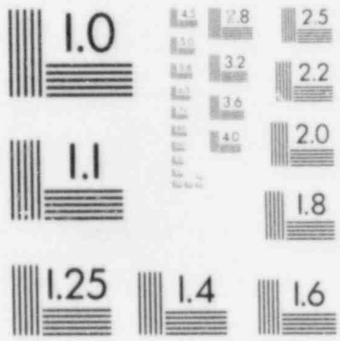
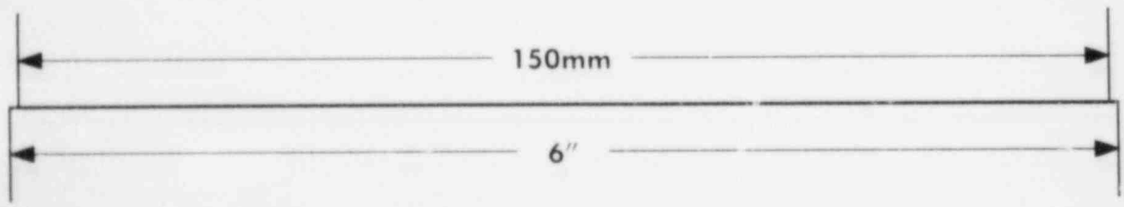
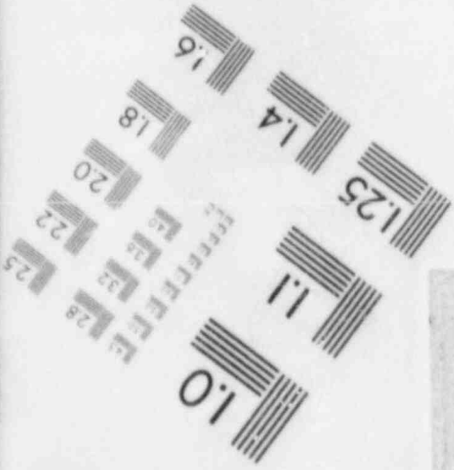


IMAGE EVALUATION TEST TARGET (MT-3)









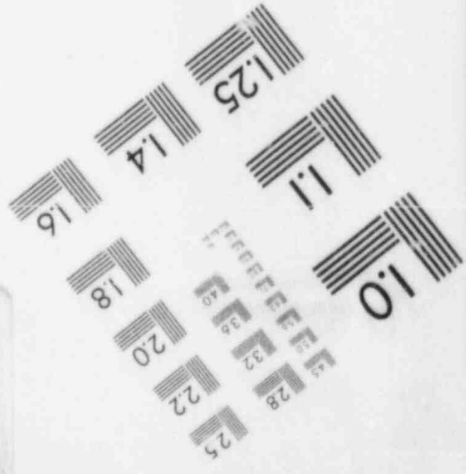
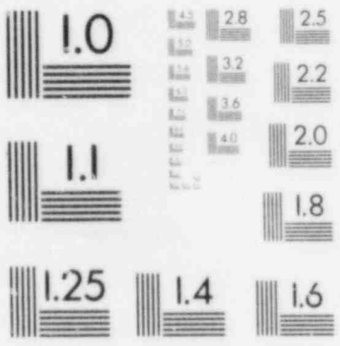
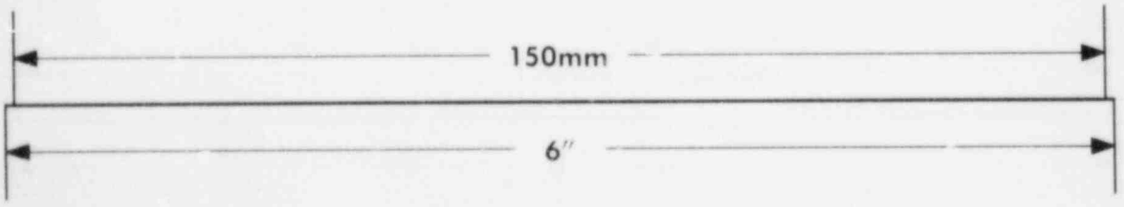


IMAGE EVALUATION
TEST TARGET (MT-3)





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1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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	744.0	5,111.0	95,904.0
13. Hours Reactor Critical	472.9	2,518.2	67,157.0
14. Rx Reserve Shtdwn Hrs	.0	.0	166.4
15. Hrs Generator On-Line	470.2	2,359.1	64,827.5
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	1,012,203	5,187,030	136,942,771
18. Gross Elec Ener (MWH)	324,255	1,592,755	43,514,117
19. Net Elec Ener (MWH)	306,744	1,496,925	41,204,033
20. Unit Service Factor	63.2	46.2	67.6
21. Unit Avail Factor	63.2	46.2	67.6
22. Unit Cap Factor (MDC Net)	61.9	44.0	66.3*
23. Unit Cap Factor (DER Net)	59.5	42.3	62.0
24. Unit Forced Outage Rate	36.8	23.0	5.3
25. Forced Outage Hours	273.4	705.8	3,247.6

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

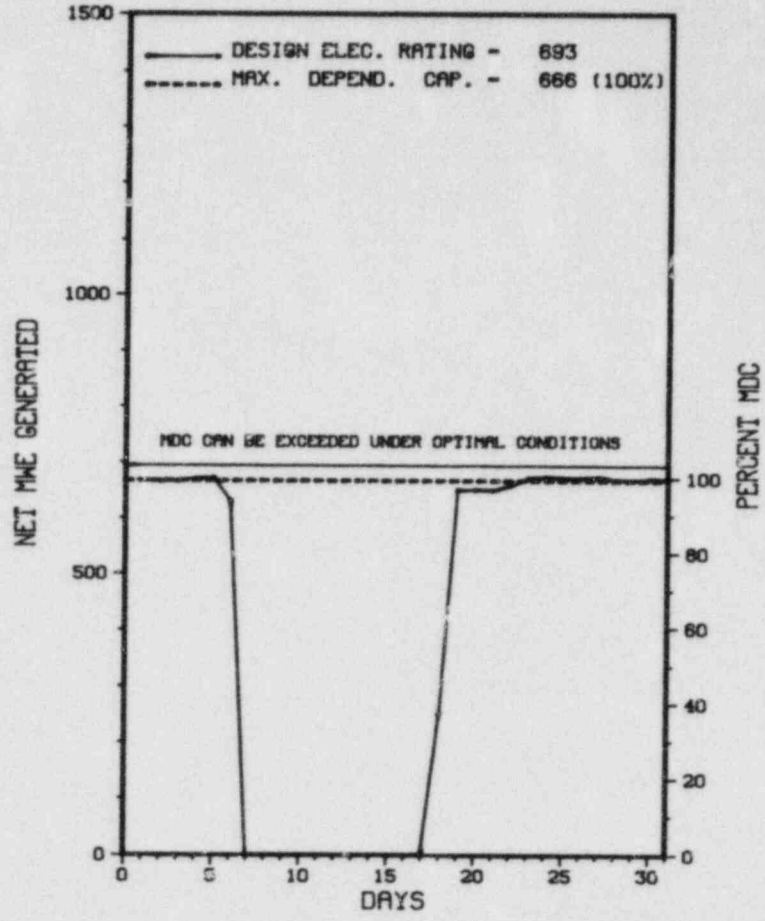
NONE

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

****
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 4

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	07/06/84	F	273.8	A	1		CB	PUMPXX	THE UNIT SHUT DOWN TO REPAIR 4A REACTOR COOLANT PUMP NUMBER 2 SEAL. THE UNIT WAS THEN RETURNED TO POWER.

*** SUMMARY ***

TURKEY POINT 3 INCURRED 1 SHUTDOWN IN JULY FOR RCS PUMP SEAL REPAIR.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* TURKEY POINT 4 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 11, 1973

DATE ELEC ENER 1ST GENER...JUNE 21, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 7, 1973

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. PEEBLES

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251

LICENSE & DATE ISSUANCE....DPR-41, APRIL 10, 1973

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 8-26 (84-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 49 INSPECTOR-HOURS ON SITE INCLUDING 22 HOURS ON BACKSHIFT, IN THE AREAS OF FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, MONTHLY SURVEILLANCE, MONTHLY MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY FEATURES WALKDOWN, INDEPENDENT INSPECTION AND EXIT INTERVIEW. IN ADDITION, A MANAGEMENT MEETING WAS HELD ON SITE ON JANUARY 26, 1984, IE PERSONNEL IN ATTENDANCE AND THE SUBJECT MATTER ARE ADDRESSED IN PARAGRAPH 10. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; TWO VIOLATIONS WERE FOUND IN FIVE AREAS (FAILURE TO IMPLEMENT MANAGEMENT CONTROL; INOPERABLE AUXILIARY FEEDWATER PUMPS) AND ONE DEVIATION FROM A COMMITMENT WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT TMI TASK ACTION PLAN ITEM I.C.6 - INDEPENDENT VERIFICATION).

INSPECTION MAY 7 - JUNE 9 (84-18): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 131 INSPECTOR-HOURS ON SITE, INCLUDING 53 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT ITEMS, IE BULLETIN FOLLOWUP, IE CIRCULAR FOLLLOWUP, LER FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, EMERGENCY SAFETY FEATURES WALKDOWN, PLANT TRIPS, REFUELING, FIRE PROTECTION, SPENT FUEL POOL ACTIVITIES, INDEPENDENT INSPECTION AND EXIT INTERVIEW. OF THE FOURTEEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THIRTEEN AREAS; AND ONE VIOLATION WAS FOUND IN THE AREA OF OPERATIONAL SAFETY (FAILURE TO ESTABLISH AND IMPLEMENT AN ADEQUATE PROCEDURE).

INSPECTION JUNE 4-8 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 39 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 4-6 (84-21): THIS SPECIAL UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREA OF EVENT

INSPECTION SUMMARY

FOLLOWUP. IN THE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO FOLLOW PLANT PROCEDURE FOR TEMPORARY SYSTEM ALTERATION, (VIOLATION 251/84-21-04)). ALSO IDENTIFIED WERE: INSPECTOR FOLLOWUP ITEM 251/84-21-01, "LP HEATER BYPASS VALVE CLOSING STROKE TIME"; INSPECTOR FOLLOWUP ITEM 251/84-21-02, "TURBINE RUNBACK SETPOINT"; INSPECTOR FOLLOWUP ITEM 251/84-21-03; "PROCEDURE FOR AUTOMATICALLY CYCLING PRESSURIZER SPRAY VALVES"; INSPECTOR FOLLOWUP ITEM 251/84-21-05; "DDPS UPGRADE" AND INSPECTOR FOLLOWUP ITEM 251/84-21-06; STEAM DUMPS FAILURE TO ACTUATE."

INSPECTION JUNE 25-29 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ONSITE (8 HOURS ON BACKSHIFT) INSPECTED: SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1, LICENSEE FAILED TO FOLLOW PROCEDURES FOR THE TEMPORARY ALTERATION OF A TEMPERATURE INDICATION CIRCUIT FOR THE PRESSURIZER RELIEF TAIL PIPES.
(8421 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

COMPLETED STEAM GENERATOR REPLACEMENT.

MANAGERIAL ITEMS:

+ PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JUNE 25-29, 1984 +

INSPECTION REPORT NO: 50-251/84-22 +

REPORTS FROM LICENSEE

****
* TURKEY POINT 4 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	06/24/84	07/24/84	AUTOMATIC INITIATION OF AUXILIARY FEEDWATER OCCURRED. THE ROOT CAUSE WAS DETERMINED TO STEM FROM THE TRIP OF THE 4B STEAM GENERATOR FEEDWATER PUMP DUE TO INADEQUATE SUCTION PRESSURE.
84-014	06/26/84	07/25/84	REACTOR TRIP WHILE AT HOT SHUTDOWN CONDITIONS, DUE TO SOURCE RANGE DETECTOR FAILED HIGH ABOVE REACTOR TRIP SETPOINT N-32.
84-015	07/16/84	08/10/84	UNIT 4 EXPERIENCED AN UNEXPECTED START OF THE 4A HIGH HEAD SAFETY INJECTION PUMP. CONSTRUCTION PERSONNEL INADVERTENTLY STRIKING THE LOCAL CONTROL SWITCH.

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1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 07/01/84 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	744.0	5,111.0	103,969.8
13. Hours Reactor Critical	.0	3,886.4	83,584.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	3,854.2	81,346.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	5,932,770	118,093,442
18. Gross Elec Ener (MWH)	0	2,012,268	39,305,346
19. Net Elec Ener (MWH)	0	1,928,790	37,293,806
20. Unit Service Factor	.0	75.4	78.2
21. Unit Avail Factor	.0	75.4	78.2
22. Unit Cap Factor (MDC Net)	.0	74.9	71.2
23. Unit Cap Factor (DER Net)	.0	73.4	69.8
24. Unit Forced Outage Rate	.0	3.8	7.2
25. Forced Outage Hours	.0	150.6	5,041.8

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

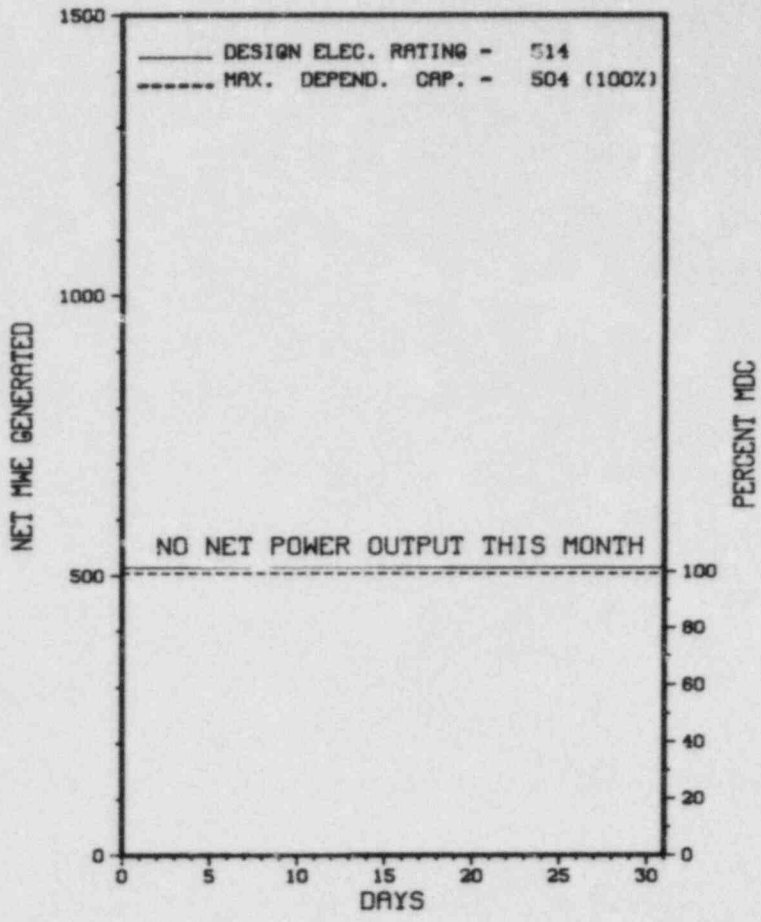
NONE

27. If Currently Shutdown Estimated Startup Date: 08/06/84

****
* VERMONT YANKEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* VERMONT YANKEE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	07/01/84	S	744.0	C	4		RC	FUELXX	REFUELING & MAINTENANCE CONTINUES.

****
* SUMMARY *
****

A REFUELING AND MAINTENANCE SHUTDOWN CONTINUED AT VERMONT YANKEE THROUGHOUT JULY.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* VERMONT YANKEE 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE....NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION (TS) 6.5.A REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECK-OFF LISTS, BE PREPARED AND REVIEWED AND APPROVED BY THE PLANT MANAGER AND THE MANAGER OF OPERATIONS. TECHNICAL SPECIFICATION 6.5.D STATES THAT TEMPORARY CHANGES MAY BE MADE TO PROCEDURES PREPARED IN ACCORDANCE WITH TS SECTION 6.5.A PROVIDED THE CHANGES ARE MADE WITH THE CONCURRENCE OF TWO INDIVIDUALS HOLDING A SENIOR REACTOR OPERATOR LICENSE. SUCH CHANGES SHALL BE DOCUMENTED AND SUBSEQUENTLY REVIEWED BY THE PORC AND APPROVED BY THE PLANT MANAGER. PLANT ADMINISTRATIVE PROCEDURES AP 0831 AND AP 0832 WERE WRITTEN PURSUANT TO THE ABOVE TO IMPLEMENT THE REQUIREMENTS OF TECHNICAL SPECIFICATIONS 6.5.A AND 6.5.D. CONTRARY TO THE ABOVE, AS OF MARCH 22, 1984, SECTION A.3 OF ADMINISTRATIVE PROCEDURE AP 0155, REVISION 7, PROMULGATED CONTROLS THAT WERE INCONSISTENT WITH THE REQUIREMENTS OF TECHNICAL SPECIFICATION 6.5 BY ALLOWING CHANGES TO THE PLANT OPERATIONAL STATUS WITHOUT THE LEVEL OF PRE-IMPLEMENTATION REVIEWS OF SUCH CHANGES OTHERWISE REQUIRED BY THE SPECIFICATIONS. SPECIFICALLY, AP 0155 ALLOWED CHANGES TO BE MADE TO SAFETY SYSTEM VALVE LINEUPS DESCRIBED AS CHECK-OFF LISTS IN APPROVED OPERATING PROCEDURES, WITHOUT REQUIRING A REVISION TO THE APPROVED OPERATING PROCEDURE BE MADE FOR THOSE CHANGES THAT CONSTITUTED A CHANGE OF INTENT FROM THE ORIGINAL PROCEDURE, OR REQUIRING THAT A DEPARTMENT INSTRUCTION BE PROCESSED IN ACCORDANCE WITH AP 0832 FOR THOSE CHANGES THAT DO NOT INVOLVE A CHANGE IN INTENT. ACTIONS IMPLEMENTED UNDER THE CONTROLS OF AP 0155 ON AUGUST 22, 1983, CONTRIBUTED TO THE CONCERN DESCRIBED ABOVE REGARDING THE RCIC SYSTEM VALVE LINEUP. IN

ENFORCEMENT SUMMARY

ORDER TO MAKE ALLOWANCE FOR THE USE OF RESPIRATORY PROTECTIVE EQUIPMENT IN ESTIMATING EXPOSURES OF INDIVIDUALS TO AIRBORNE RADIOACTIVE MATERIAL, 10CFR 20.103 (C) (2) REQUIRES THAT THE LICENSEE MAINTAIN AND IMPLEMENT A RESPIRATORY PROTECTION PROGRAM THAT INCLUDES, AMONG OTHER THINGS, WRITTEN PROCEDURES REGARDING THE MAINTENANCE OF RESPIRATORS AND TRAINING OF PERSONNEL. CONTRARY TO THE ABOVE, LICENSEE'S PROCEDURE NO. DP-8421, "RESPIRATORY PROTECTION EQUIPMENT INSPECTION AND MAINTENANCE", REVISION 4 (9/83) WAS INADEQUATE, IN THAT IT DID NOT PROVIDE WRITTEN INSTRUCTIONS FOR REPAIR OF RESPIRATORS INCLUDING REPLACEMENT OF VIEWING LENSES AND RESPIRATOR VALVES. NO PROCEDURES WERE ESTABLISHED FOR TRAINING RESPIRATOR MAINTENANCE TECHNICIANS. AT LEAST FIVE TECHNICIANS WERE PERFORMING RESPIRATOR REPAIRS DURING APRIL 2 THROUGH APRIL 18, 1984. THE TECHNICIANS WERE NEITHER QUALIFIED THROUGH THE LICENSEE'S TRAINING PROGRAM NOR BY PREVIOUS EXPERIENCE. THIS IS A SEVERITY LEVEL IV VIOLATION. (SUPPLEMENT IV). (8405 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.

REPORTS FROM LICENSEE

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

1. Docket: 50-397 OPERATING STATUS
2. Reporting Period: 07/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: LEONARD HUTCHISON (509) 377-250* X2486
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1100
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1100
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):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	1,562.2	1,562.2
13. Hours Reactor Critical	243.9	652.1	652.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	198.9	427.4	427.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	259,168	466,245	466,245
18. Gross Elec Ener (MWH)	67,713	102,480	102,480
19. Net Elec Ener (MWH)	61,120	92,686	92,686
20. Unit Service Factor			
21. Unit Avai 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	545.1	1,118.4	1,118.4

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

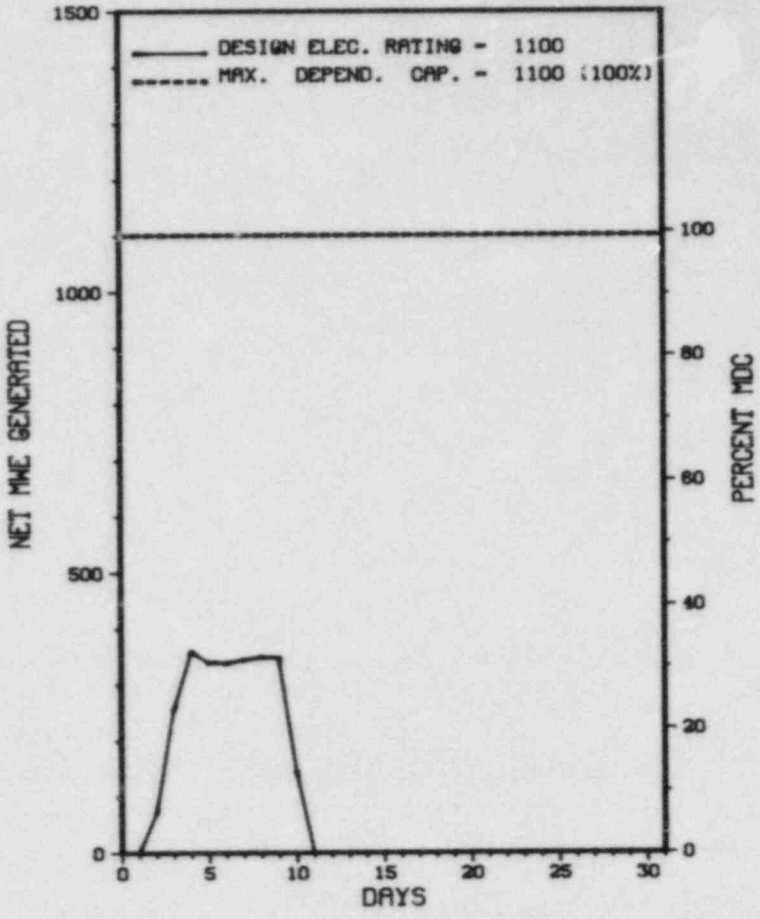
NONE

27. If Currently Shutdown Estimated Startup Date: 08/02/84

****
* WASHINGTON NUCLEAR 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* WASHINGTON NUCLEAR 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-11	06/19/84	F	36.3	A	4		HE	VALVEX	PLANT SHUTDOWN TO REPAIR A TURBINE BY PASS VALVE WHICH STUCK OPEN FOLLOWING A PLANNED TRIP OF GENERATOR. THE VALVE WAS REPAIRED HOWEVER THE OUTAGE WAS EXTENDED DUE TO REAPIR ON RHR PUMP "B".
84-12	07/10/84	F	508.8	A	1	84-075	EB	GENERA	DURING MONTHLY SURVEILLANCE TESTING OF STANDBY DIESEL GENERATOR 1B (DG1B) THE SLIP RING END BEARING TURNED ON THE SHAFT INSULATION, THUS DESTROYING THE INSULATION AND ALLOWING THE SHAFT TO DROP SLIGHTLY AND RUB ON BEARING HOUSING. MODIFICATIONS, TO IMPROVE RELIABILITY, WERE MADE BY MOUNTING THE BEARINGS DIRECTLY TO SHAFT AND INSULATING THE BEARING HOUSING. (SEE LER 84-075)

****
* SUMMARY *
****

WNP 2 CONTINUES WITH STARTUP AND POWER ASCENSION TESTING.

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)

****
* WASHINGTON NUCLEAR 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON

COUNTY.....BENTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
RICHLAND, WASH

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 16, 1984

DATE ELEC ENER 1ST GENER...MAY 27, 1984

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

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....MECHANICAL TOWERS

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. FEIL

LICENSING PROJ MANAGER.....R. AULUCK
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 MAY 29 - JUNE 8, 1984 (REPORT NO. 50-397/84-15) AREAS INSPECTED: SPECIAL TEAM INSPECTION OF THE OPERATING CREWS; INFORMATION TURNOVER/EXCHANGE BETWEEN CREWS; AWARENESS OF PLANT/SYSTEM STATUS; LIMITING CONDITIONS OF OPERATION AND TECHNICAL SPECIFICATION COMPLIANCE; ADHERENCE TO PROCEDURES AND ADMINISTRATIVE CONTROLS; REMOVAL AND RESTORATION OF SYSTEM/COMPONENTS FROM/TO SERVICE DURING MAINTENANCE AND SURVEILLANCE ACTIVITIES. THE ORGANIZATIONAL INTEGRATION AND UTILIZATION OF TECHNICAL ADVISORS (STA'S) ON SHIFT AND MANAGEMENT'S INVOLVEMENT AND AWARENESS OF PLANT STATUS AND PROBLEMS WERE ALSO INSPECTED. THE INSPECTION INVOLVED 278 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS AND 68 INSPECTION HOURS BY ONE NRC CONSULTANT.

RESULTS: OF THE SEVEN AREAS INSPECTED NO VIOLATIONS WERE IDENTIFIED. THE TEAM FOUND THE OPERATING STAFF'S PERFORMANCE TO BE ADEQUATE. HOWEVER, THE FOLLOWING SPECIFIC WEAKNESSES WERE IDENTIFIED FOR MANAGEMENT CONSIDERATION: A) INCONSISTENCY IN THE IMPLEMENTATION OF WALK-DOWN AND CHECKLIST TURNOVERS AT SHIFT CHANGE, INCLUDING FAILURE TO INFORM RELIEF OF AN EXISTING LIMITING CONDITION FOR OPERATION. B) AN OPERATOR WAS NOT AT-THE-CONTROLS AS DEFINED BY PLANT PROCEDURES FOR A BRIEF PERIOD OF TIME WHEN THE REACTOR WAS IN MODE 4. C) LACK OF AWARENESS OF PLANT STATUS ANNUNCIATORS. D) INDEPENDENT VERIFICATION NOT PERFORMED ON DIESEL-GENERATOR EMERGENCY BYPASS SWITCH POSITION. E) LACK OF VISIBILITY OF SENIOR MANAGEMENT IN THE CONTROL ROOM. F) SOME SHIFT DETAILS AND EVENTS WERE NOT ROUTINELY BEING RECORDED IN EITHER THE CONTROL OPERATOR'S OR SHIFT MANAGER'S LOGS. G) WORK PRACTICES WERE NOT CONSISTENT WITH RELIABLE AND PRUDENT OPERATION.

+ INSPECTION ON JUNE 6-30, 1984 (REPORT NO. 50-397/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 2-31, 1984 (REPORT NO. 50-397/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

****
* WASHINGTON NUCLEAR 2 *
****

INSPECTION SUMMARY

+ INSPECTION ON JULY 31 - AUGUST 3, 1984 (REPORT NO. 50-397/84-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 25 - JULY 20, 1984 (REPORT NO. 50-397/84-21) 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 4

LAST IE SITE INSPECTION DATE: 07/31-08/03/84+

INSPECTION REPORT NO: 50-397/84-20+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-26-01	04-19-84	- -	DELUGE SYSTEM ADMITTED WATER IN STANDBY GAS SYSTEM

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/84 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	744.0	5,111.0	207,812.0
13. Hours Reactor Critical	560.9	3,114.5	164,638.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	554.4	3,024.7	159,937.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	320,679	1,729,162	86,612,756
18. Gross Elec Ener (MWH)	97,518	529,908	26,252,774
19. Net Elec Ener (MWH)	91,276	496,289	24,564,678
20. Unit Service Factor	74.5	59.2	77.0
21. Unit Avail Factor	74.5	59.2	77.0
22. Unit Cap Factor (MDC Net)	73.5	58.1	72.8*
23. Unit Cap Factor (DER Net)	70.1	55.5	69.4*
24. Unit Forced Outage Rate	25.5	12.0	5.3
25. Forced Outage Hours	189.6	413.8	7,900.2

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

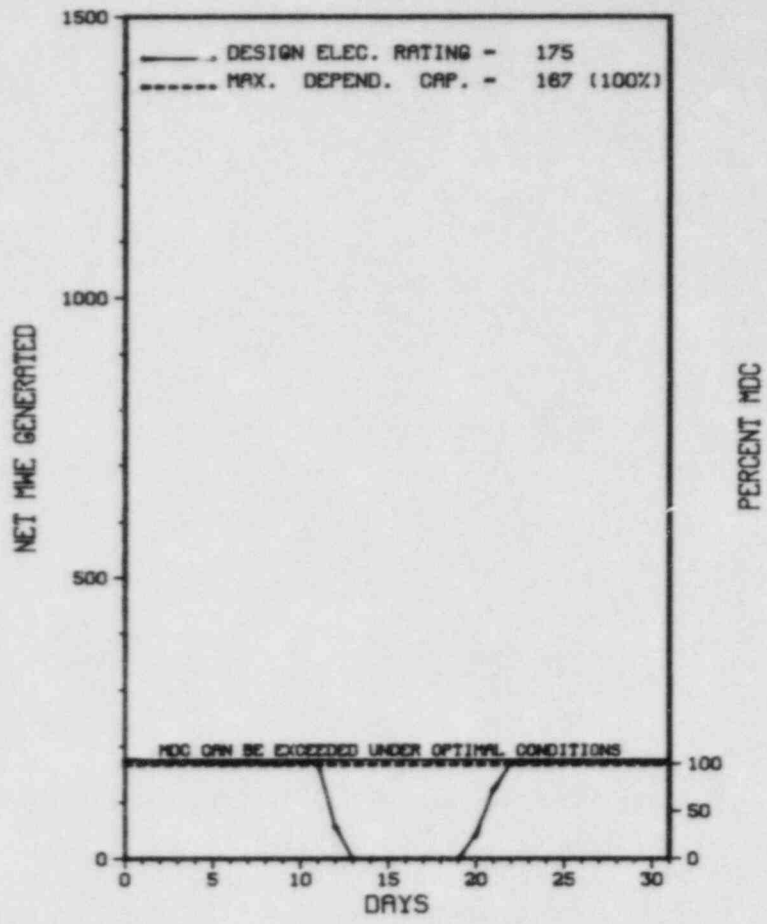
NONE

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

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



JULY 1984

* Item calculated with a Weighted Average

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* YANKEE-ROWE ! *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	07/12/84	F	189.6	H	3	84-12			THE REACTOR TRIPPED WHILE I&C WAS RUNNING HIGH RISK TESTING.

****
* SUMMARY *
****

ON JULY 12 YANKEE ROWE TRIPPED DURING HIGH RISK TESTING BY INSTRUMENTATION AND CONTROL.

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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

FACILITY DATA

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.....P. ERICKSON
DOCKET NUMBER.....50-029

LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963

PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* 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 OPERATING STATUS
2. Reporting Period: 07/01/84 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

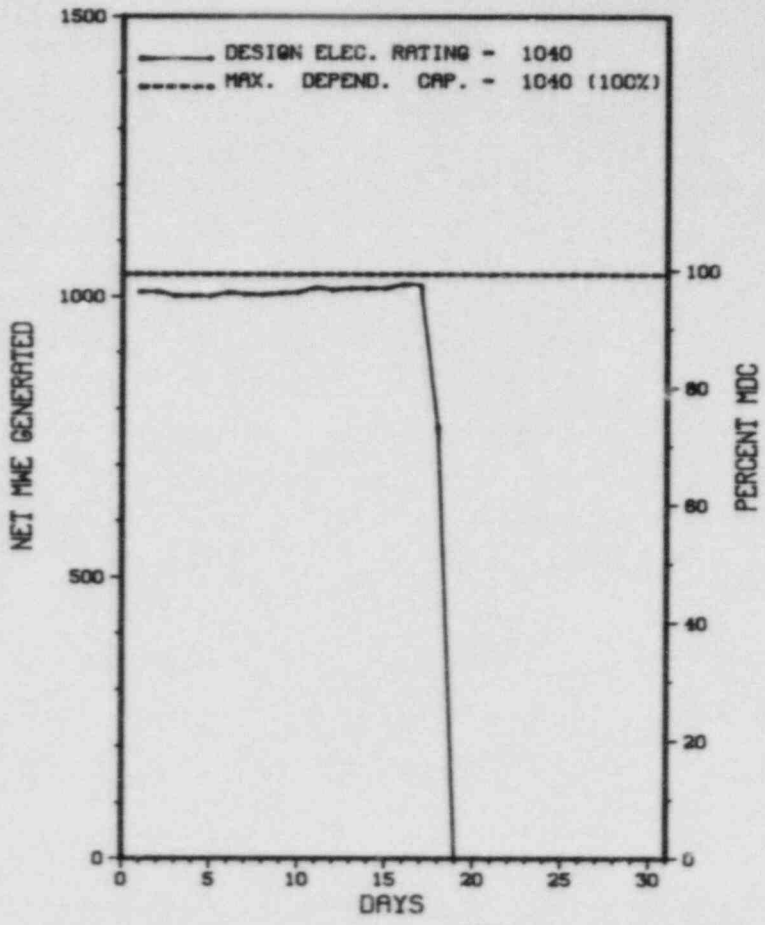
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	92,783.0
13. Hours Reactor Critical	472.4	3,877.8	65,953.9
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	427.2	3,717.3	64,185.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,373,242	11,564,065	181,485,548
18. Gross Elec Ener (MWH)	449,525	3,792,794	58,512,673
19. Net Elec Ener (MWH)	426,912	3,641,290	55,544,595
20. Unit Service Factor	57.4	72.7	69.2
21. Unit Avail Factor	57.4	72.7	69.2
22. Unit Cap Factor (MDC Net)	55.2	68.5	57.6
23. Unit Cap Factor (DER Net)	55.2	68.5	57.6
24. Unit Forced Outage Rate	42.6	19.9	13.7
25. Forced Outage Hours	316.8	921.2	9,533.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
DECEMBER 6 1984: SCHEDULED REFUELING SHUTDOWN.
27. If Currently Shutdown Estimated Startup Date: 08/17/84

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	07/18/84	F	316.8		2	84-021			SHUTDOWN THE REACTOR IN ORDER TO PERFORM A CONTAINMENT INTEGRATED LEAK RATE TEST.

****
* SUMMARY *
****

ZION 1 WAS SHUT DOWN ON JULY 18 FOR AN INTEGRATED LEAK TEST AND REMAINED SHUT DOWN 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)

****
* ZION 1 *
****

FACILITY DATA

Report Period JUL 1984

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.....J. WATERS

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 12 THROUGH JUNE 29, (84-07): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, CONDUCT OF MAINTENANCE ON NUCLEAR INSTRUMENTATION, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP, SITE VISIT BY COMMISSIONER GILINSKY, MEETING WITH LOCAL PUBLIC OFFICIALS. THESE INSPECTIONS INVOLVED A TOTAL OF 147 HOURS BY TWO NRC INSPECTORS INCLUDING 72 HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 31, JUNE 4-8, 12-13 AND JULY 2, (84-08): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; EXTERNAL EXPOSURE CONTROL; TRAINING; ALARA; RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL; SPECIFIC IMPROVEMENTS TO THE RADIATION PROTECTION PROGRAM; DIVING OPERATIONS; LICENSEE ACTIONS REGARDING PREVIOUS INSPECTION FINDINGS; AND CERTAIN TMI ACTION PLAN ITEMS. THE INSPECTION INVOLVED 84 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (UNAUTHORIZED TRANSFER OF BYPRODUCT MATERIAL).

INSPECTION ON JUNE 4-8, (84-09): INCLUDED A REVIEW OF SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROLS (PERSONNEL/PACKAGES/VEHICLES); DETECTION AIDS (PROTECTED AND VITAL); ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND WAS BEGUN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION.

ENFURCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT SHUT DOWN TO PERFORM CILRT. STARTUP SCHEDULED ON OR ABOUT 8/16/84.

LAST IE SITE INSPECTION DATE: AUGUST 20-24, 1984

INSPECTION REPORT NO: 84-16

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
84-15	05/02/84	07/12/84	PT-210 AIRCRAFT FIRE DETECTION SYSTEM.
84-15	06/21/84	07/19/84	BLOWER FOR 1OPR038 FOUND OFF WHILE 1B GAS DECAY TANK RELEASE IN PROGRESS.
84-16	06/17/84	07/16/84	ELECTRICAL PENETRATION PRESSURE LOW.
84-17	06/22/84	07/20/84	FAILURE OF CONTAINMENT NOBLE GAS MONITOR 1RIA-PR40.

1. Docket: 50-304 OPERATING STATUS
2. Reporting Period: 07/01/84 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	744.0	5,111.0	86,496.0
13. Hours Reactor Critical	598.5	2,630.5	61,855.5
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	510.5	2,528.1	60,054.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,334,642	7,539,565	172,455,648
18. Gross Elec Ener (MWH)	425,180	2,455,003	55,159,040
19. Net Elec Ener (MWH)	400,791	2,331,349	52,408,294
20. Unit Service Factor	68.6	49.5	69.4
21. Unit Avail Factor	68.6	49.5	69.4
22. Unit Cap Factor (MDC Net)	51.8	43.9	58.3
23. Unit Cap Factor (DER Net)	51.8	43.9	58.3
24. Unit Forced Outage Rate	31.4	22.0	17.8
25. Forced Outage Hours	233.5	713.6	13,090.3

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

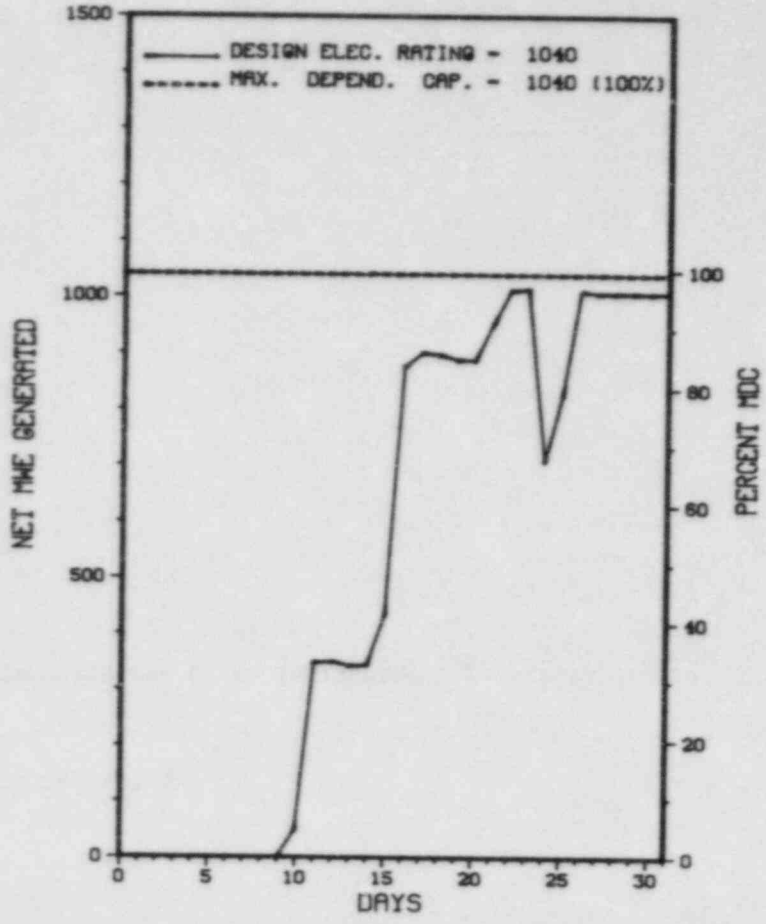
NONE

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

****
* ZION 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



JULY 1984

Report Period JUL 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	06/13/84	F	83.3	H	4				CONTD FROM ENVIRONMENTAL QUALIFICATION MODIFICATION OUTAGE.
5	07/04/84	F	28.2	G	3	84-017			AN OPERATOR OVERSIGHT IN NOT REALIZING THAT BISTABLES WERE TRIPPED WHILE TRANSFERRING AN INSTRUMENT BUS.
6	07/05/84	F	58.0	A	3				TRIP CAUSED BY A WIRING PROBLEM WITH THE RTD CROSS-CALIBRATION TEST CART.
7	07/08/84	F	46.1	G	3	84-018			IMPROPER USE OF AN INSTRUMENT. PROCEDURE CAUSED A BISTABLE ALIGNMENT THAT STIMULATED THE TURBINE AT >10% POWER WITH THE TURBINE STOP VALVE SHUT.
8	07/09/84	F	17.9	A	3	84-016			LOSS OF POWER TO THE INTERMEDIATE RANGE PRIOR TO REACHING A POWER LEVEL HIGH ENOUGH TO ALLOW BLOCKING OF THE TRIP.

****
* SUMMARY *
****

THERE WERE 5 SHUTDOWNS AT ZION 2 IN JULY AS DISCUSSED ABOVE.

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

****
* ZION 2 *
****

FACILITY DATA

Report Period JUL 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 24, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WATERS

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 MAY 12 THROUGH JUNE 29, (84-07): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, CONDUCT OF MAINTENANCE ON NUCLEAR INSTRUMENTATION, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP, SITE VISIT BY COMMISSIONER GILINSKY, MEETING WITH LOCAL PUBLIC OFFICIALS. THESE INSPECTIONS INVOLVED A TOTAL OF 147 HOURS BY TWO NRC INSPECTORS INCLUDING 72 HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 31, JUNE 4-8, 12-13 AND JULY 2, (84-08): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; EXTERNAL EXPOSURE CONTROL; TRAINING; ALARA; RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL; SPECIFIC IMPROVEMENTS TO THE RADIATION PROTECTION PROGRAM; DIVING OPERATIONS; LICENSEE ACTIONS REGARDING PREVIOUS INSPECTION FINDINGS; AND CERTAIN TMI ACTION PLAN ITEMS. THE INSPECTION INVOLVED 84 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN EIGHT AREAS. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (UNAUTHORIZED TRANSFER OF BYPRODUCT MATERIAL).

INSPECTION ON JUNE 4-8, (84-09): INCLUDED A REVIEW OF SECURITY ORGANIZATION (PERSONNEL AND RESPONSE); SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROLS (PERSONNEL/PACKAGES/VEHICLES); DETECTION AIDS (PROTECTED AND VITAL); ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND WAS BEGUN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION.

INSPECTION STATUS - (CONTINUED)

ZION 2

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: AUGUST 20-24, 1984

INSPECTION REPORT NO: 84-16

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-04	01/20/84	07/12/84	PLANT CONDITIONS NOT BOUNDED BY SAFETY ANALYSIS.
84-13	05/03/84	06/28/84	RCFC TUBE DEGRADATION.
84-14	06/26/84	07/26/84	FAILURE OF SAFETY-RELATED SNUBBERS.

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SECTION 3

APPENDIX

STATUS OF SPENT FUEL STORAGE CAPABILITY

PRESSURIZED 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	316	672		10-84	1998
ARKANSAS 2	177	988	168	820		05-85	2003
BEAVER VALLEY 1	157	833	52	781		10-84	1995
CALVERT CLIFFS 1	217	1830(c)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					10-85	1991
COOK 1	193	2050(c)	553(c)	1497(c)		N/S	1994
COOK 2	193					N/S	
CRYSTAL RIVER 3	177	1163	171	992		N/S	1997
DAVIS-BESSE 1	177	735	140	595		09-84	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	01-85	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	595	340	255		N/S	1992
HADDAM NECK	157	1168	493	675		08-84	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		N/S	1993
KEWAUNEE	121	990	268	722(m)		N/S	1991
MAINE YANKEE	217	953	577	376	1678	N/S	1987
MCGUIRE 1	193	500	91	409(n)	1781	N/S	1990
MCGUIRE 2						01-85	
MILLSTONE 2	217	667	376	291		N/S	1987
NORTH ANNA 1	157	966(c)	168(c)	798		N/S	1991
NORTH ANNA 2	157					08-84	1990
OCONEE 1	177	1312(1)	1086	226(1)(n)		10-84	1991
OCONEE 2	177					03-85	
OCONEE 3	177	825	104	721		09-85	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	484(c)	1078(c)		N/S	1995
POINT BEACH 2	121					09-84	
PRAIRIE ISLAND 1	121	1017(c)	561(c)	456(c)(m)	720	N/S	1988
PRAIRIE ISLAND 2	121					08-84	
RANCHO SECO 1	177	579	280	299		01-85	1987
ROBINSON 2	157	276	152	124(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		N/S	1996
SALEM 2	193	1170	72	1098		N/S	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SAN ONOFRE 2	217	800	0	800		11-84	
SAN ONOFRE 3	217	800	0	800		N/S	
SEQUOYAH 1	193	800	65	735		N/S	1993
SEQUOYAH 2(d)	193	800	65	735		09-84	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2						10-84	
SUMMER 1	157	682	0	682	1276	09-84	
SURRY 1	157	1044(c)	556(c)	484(c)		N/S	1987
SURRY 2	157					09-84	

STATUS OF SPENT FUEL STORAGE CAPABILITY

PRESSURIZED 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
THREE MILE ISLAND 1	177	752	208	544		N/S	1986
THREE MILE ISLAND 2	177	442	0	442		N/S	1986
TROJAN	193	651	312	339		N/S	1990
TURKEY POINT 3	157	621	445	175(m)		N/S	1987
TURKEY POINT 4	157	621	430	191		N/S	1988
YANKEE-ROWE 1	76	391	250	141	471	N/S	1988
ZION 1	193	2112(c)	863(c)	1249(c)		12-84	1995
ZION 2	193					09-85	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 PWRassemblies for both pools.
(g) Robinson 2 assemblies being shipped to Brunswick for storage.
(h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
(i) No longer accepting spent fuel.
(j) Racked for 700 MTU.
(k) Reserved.
(l) This is the station total.
(m) Installed capacity is less than that authorized.
(n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

STATUS OF SPENT FUEL STORAGE CAPABILITY

BOILING WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	193	172	21	269	N/S	1986
BROWNS FERRY 1	764	3471	1068	2403		03-85	1985
BROWNS FERRY 2	764	3471	889	61(m)	2582	09-84	1985
BROWNS FERRY 3	764	3471	1768	150(m)	1703	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	848	1518		09-84	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	09-84	1985
DRESDEN 3	724					N/S	
DUANE ARNOLD	368	2050	576	1474		N/S	1998
FITZPATRICK	560	2244	816	1428		N/S	1991
HATCH 1	560	3021	0	3021		10-84	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		11-84	1990
LASALLE 1							
LASALLE 2							
MILLSTONE 1	580	2184	1281	903		N/S	1991
MONTICELLO	484	2237	1137	1100		N/S	1991
NINE MILE POINT 1	532	1984	1177	807	1788	N/S	1990
OYSTER CREEK 1	560	1800	1375	425	1225	N/S	1987
PEACH BOTTOM 2	764	2816	1361	1455		N/S	1990
PEACH BOTTOM 3	764	2816	1212	1604		N/S	1991

STATUS OF SPENT FUEL STORAGE CAPABILITY

BOILING 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
PILGRIM 1	580	2320	1708	62(m)		N/S	1990
QUAD CITIES 1	724	3657	1730	1927		N/S	2003
QUAD CITIES 2	724	3897	412	3485		N/S	2003
SUSQUEHANNA 1	764	2840	0	2840		N/S	1997
SUSQUEHANNA 2							
VERMONT YANKEE 1	368	2000	1174	826		N/S	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.
(c) This is the total for both units.
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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)

REACTOR YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT
**********			
* LICENSED *	10.00	08/01/74	ARKANSAS 1
* OPERATING *	21.65	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	7.89	09/12/76	BROWNS FERRY 3
* PRODUCING *	9.58	01/03/75	CALVERT CLIFFS 1
* UNITS *	6.36	03/22/78	COOK 2
**********	6.93	08/28/77	DAVIS-BESSE 1
	10.20	05/19/74	DUANE ARNOLD
	9.50	02/01/75	FITZPATRICK
	14.66	12/02/69	GINNA
	5.86	09/22/78	HATCH 2
	10.32	04/08/74	KEWAUNEE
	.28	04/20/84	LASALLE 2
	1.19	05/23/83	MCGUIRE 2
	13.41	03/05/71	MONTICELLO
	3.93	08/25/80	NORTH ANNA 2
	9.92	09/01/74	OCONEE 3
	10.45	02/18/74	PEACH BOTTOM 2
	13.74	11/06/70	POINT BEACH 1
	9.61	12/21/74	PRAIRIE ISLAND 2
	9.80	10/13/74	RANCHO SECO 1
	3.16	06/03/81	SALEM 2
	.85	09/25/83	SAN ONOFRE 3
	8.24	05/07/76	ST LUCIE 1
	12.08	07/04/72	SURRY 1
	.08	07/03/84	SUSQUEHANNA 2
	11.75	11/02/72	TURKEY POINT 3
	.18	05/27/84	WASHINGTON NUCLEAR 2
	10.60	12/26/73	ZION 2
	5.60	12/26/78	ARKANSAS 2
	10.80	10/15/73	BROWNS FERRY 1
	7.66	12/04/76	BRUNSWICK 1
	7.65	12/07/76	CALVERT CLIFFS 2
	10.23	05/10/74	COOPER STATION
	14.30	04/13/70	DRESDEN 2
	6.95	08/18/77	FARLEY 1
	10.93	08/25/73	FORT CALHOUN 1
	16.99	08/07/67	HADDAM NECK
	11.10	06/26/73	INDIAN POINT 2
	16.27	04/26/68	LA CROSSE
	11.73	11/08/72	MAINE YANKEE
	13.67	11/29/70	MILLSTONE 1
	14.73	11/09/69	NINE MILE POINT 1
	11.24	05/06/73	OCONEE 1
	14.86	09/23/69	OYSTER CREEK 1
	9.92	09/01/74	PEACH BOTTOM 3
	12.00	08/02/72	POINT BEACH 2
	12.30	04/12/72	QUAD CITIES 1
	13.85	09/26/70	ROBINSON 2
	17.05	07/16/67	SAN ONOFRE 1
	4.03	07/22/80	SEQUOYAH 1
	1.14	06/13/83	ST LUCIE 2
	11.39	03/10/73	SURRY 2
	10.12	06/19/74	THREE MILE ISLAND 1
	11.11	06/21/73	TURKEY POINT 4
	23.72	11/10/60	YANKEE-ROWE 1
	8.13	06/14/76	BEAVER VALLEY 1
	9.93	08/28/74	BROWNS FERRY 2
	9.26	04/29/75	BRUNSWICK 2
	9.47	02/10/75	COOK 1
	7.50	01/30/77	CRYSTAL RIVER 3
	13.03	07/22/71	DRESDEN 3
	3.19	05/25/81	FARLEY 2
	7.64	12/11/76	FORT ST VRAIN
	9.72	11/11/74	HATCH 1
	8.26	04/27/76	INDIAN POINT 3
	1.91	09/04/82	LASALLE 1
	3.09	06/30/81	MCGUIRE 1
	8.73	11/09/75	MILLSTONE 2
	6.29	04/17/78	NORTH ANNA 1
	10.66	12/05/73	OCONEE 2
	12.59	12/31/71	PALISADES
	12.04	07/19/72	PILGRIM 1
	10.66	12/04/73	PRAIRIE ISLAND 1
	12.19	05/23/72	QUAD CITIES 2
	7.60	12/25/76	SALEM 1
	1.86	09/20/82	SAN ONOFRE 2
	2.61	12/23/81	SEQUOYAH 2
	1.71	11/16/82	SUMMER 1
	1.71	11/16/82	SUSQUEHANNA 1
	8.61	12/23/75	TROJAN
	11.86	09/20/72	VERMONT YANKEE 1
	11.09	06/28/73	ZION 1

TOTAL 754.86 YRS

	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
**********				
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1
* INDEFINITELY*	6.32	08/05/66	11/29/72	FERMI 1
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY
* UNITS *	1.19	07/25/66	10/01/67	PATHFINDER
**********	2.16	11/04/63	01/01/66	PIQUA
	3.04	12/18/63	01/01/67	CVTR
	4.44	08/24/63	02/01/68	ELK RIVER
	1.26	05/29/63	09/01/64	HALLAM
	12.12	09/16/62	10/31/74	INDIAN POINT 1
	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
	.93	04/21/78	03/28/79	THREE MILE ISLAND 2

TOTAL 74.77 YRS

The total reactor years of experience is as the sum of all calendar days for each unit, from the date that electricity was first generated until a final shutdown date or the status date, whichever comes first, divided by 365.25 days/year. If a date is unknown, the first day of the first month of operation is substituted. Units which have not yet generated electricity but which are licensed are listed but not included in the computation.

****
* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
	SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

****
* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE 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	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

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* RESEARCH *
* REACTORS *
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NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
********** * EXPERIMENTAL AND TEST REACTORS * **********							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
********** * CRITICAL EXPERIMENT FACILITIES * **********							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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14 ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

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