NUREG-0020
Vol. 8, No. 6
June 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 05-31-84

UNITED STATES NUCLEAR REGULATORY COMMISSION

Available from

NRC/GPO Sales Program

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

A year's subscription consists of 12 issues for
this publication.

Single copies of this publication
are available from National Technical
Information Service, Springfield, VA 22161

Microfiche of single copies are
available from NRC/GPO Sales Program
Washington, D. C. 20555

NUREG-0020
Vol. 8, No. 6
June 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 05-31-84

Manuscript Completed: July 1984
Date Published: July 1984

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.

TABLE OF CONTENTS

G L O S S A R Y

AVERAGE DAILY POWER LEVEL (MWe)	The net electrical energy generated during the day (meas d 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	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DEP}}$
- 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 . . . . .
(a)	2	IN POWER ASCENSION. . . . .
---	---	---
(b)	81	LICENSED TO OPERATE . . . . .
(c)	3	LICENSED FOR FUEL LOADING AND LOW POWER TESTING

62,093	CAPACITY MWe (Net) --Based upon maximum dependable capacity; design elec. rating used if MDC not determined
2,136	
64,229	TOTAL

	MDC NET
(a) LASALLE 2	1078
WASH. NUC. 2	1103

(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
SUSQUEHANNA 2	03/23/84	1052
DIABLO CANYON 1	04/19/84	1084

POWER GENERATION

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
1. GROSS ELECTRICAL (MWHE)	27,194,141	25,065,994	139,019,633
2. NET ELECTRICAL (MWHE).	25,914,628	23,299,880	132,082,282
3. AVG. UNIT SERVICE FACTOR (%).	58.6	54.4	62.9
4. AVG. UNIT AVAILABILITY FACTOR (%)	58.6	54.4	62.9
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	54.3	50.2	58.8
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	53.0	49.0	57.3
7. FORCED OUTAGE RATE (%).	4.7	10.2	9.1

ACTUAL VS. POTENTIAL ENERGY PRODUCTION

			% OF POTENTIAL PRODUCTION
1.	ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD. . . .	25,914,628 NET	56.1
2.	ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET). . . .	15,996,368 MWHe	34.6
3.	ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	2,192,885 MWHe	4.7
4.	ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,093,311 MWHe	4.5
POTENTIAL ENERGY	PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	46,197,192 MWHe	100.0% TOTAL
5.	ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	686,929 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	29	2,603.8	4.4	2,192,885
2. SCHEDULED OUTAGES DURING REPORT PERIOD. . .	49	21,723.7	37.0	15,996,368
TOTAL	78	24,327.5	41.4	18,189,253

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
	A - Equipment Failure	25	2,645.5
	B - Maintenance or Test	22	3,866.7
	C - Refueling	25	16,138.7
	D - Regulatory Restriction	2	885.4
	E - Operator Training & License Examination	0	0.0
	F - Administrative	0	0.0
	G - Operational Error	3	47.2
	H - Other	1	744.0
	TOTAL	78	24,327.5

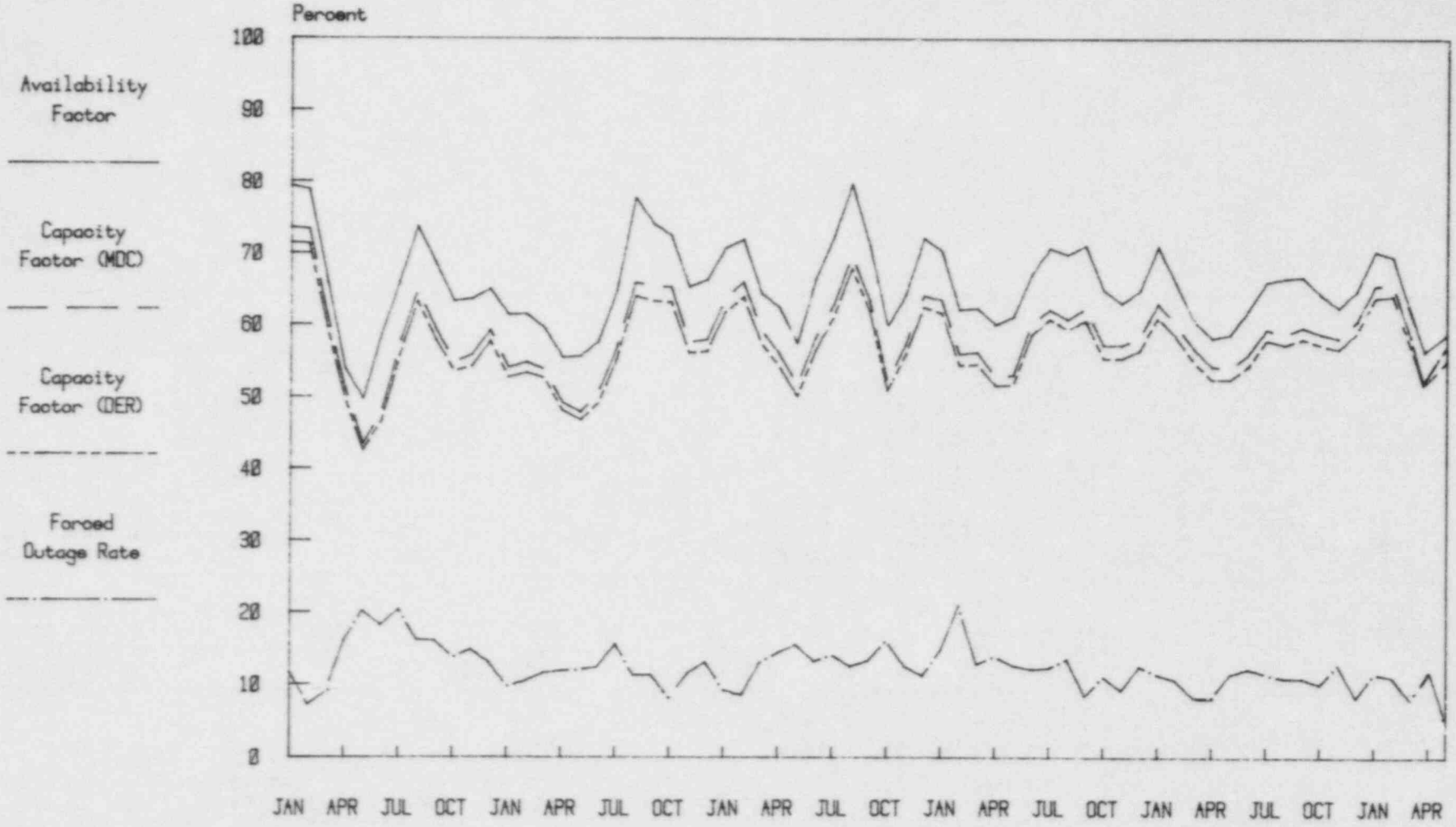
DERATED UNITS	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
BROWNS FERRY 2	*65	640	Self-imposed
FORT ST VRAIN	330	280	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
BROWNS FERRY 3	C	BRUNSWICK 1	B	BRUNSWICK 2	C	CALVERT CLIFFS 1	A
CALVERT CLIFFS 2	C	COOK 2	B	DRESDEN 3	A	DUANE ARNOLD	B
FORT CALHOUN 1	C	FORT ST VRAIN	B	GINNA	A,C	HATCH 2	H
KEWAUNEE	C	MAINE YANKEE	C	MCGUIRE 1	C	MCGUIRE 2	B
MILLSTONE 1	C	MONTICELLO	C	NINE MILE POINT 1	C	NORTH ANNA 1	C
OCONEE 3	C	OYSTER CREEK 1	C	PALISADES	C	PEACH BOTTOM 2	C
PILGRIM 1	C	POINT BEACH 2	B	QUAD CITIES 1	C	QUAD CITIES 2	B
ROBINSON 2	C	SALEM 1	C	SALEM 2	A	SAN ONOFRE 1	B
SAN ONOFRE 3	B	SEQUOYAH 1	A,A	ST LUCIE 1	C	SURRY 1	D
THREE MILE ISLAND 1	D	TROJAN	C	TURKEY POINT 3	B	TURKEY POINT 4	C
YANKEE-ROWE 1	C	ZION 2	C				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 05-31-84



Jan 1979 - May 1984

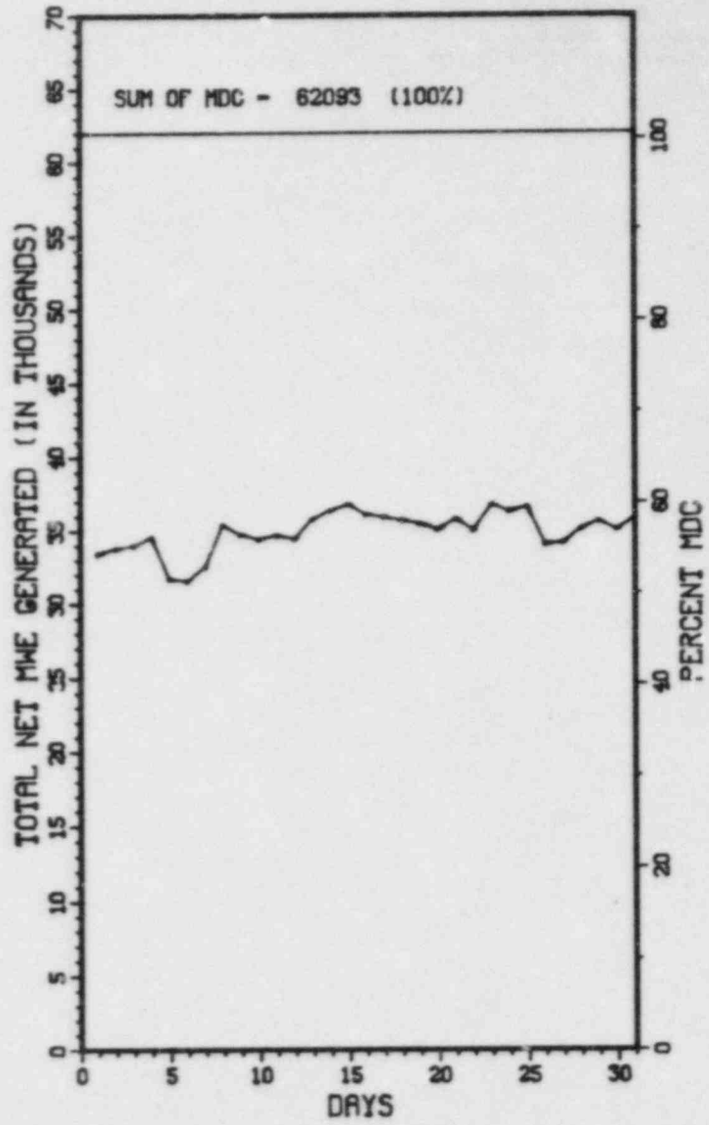
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALLY OPERATING UNITS

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".

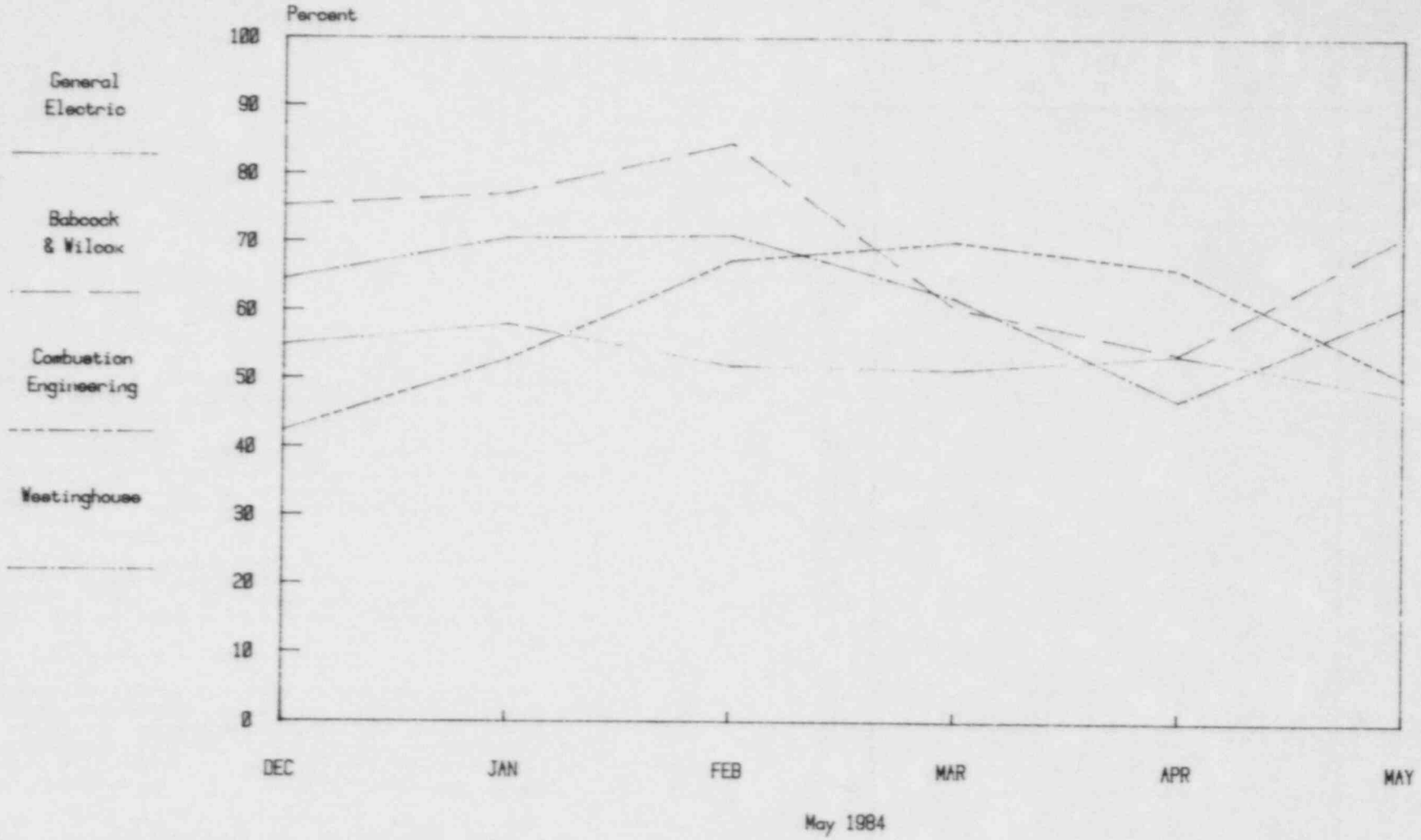
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



MAY 1984

Vendor Average Capacity Factors

As Of 05-31-84



May 1984

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

AVERAGE CAPACITY FACTORS BY VENDORS

GENERAL ELECTRIC	CFMDC		CFMDC		CFMDC		CFMDC	
	96.8	BROWNS FERRY 1	56.6	BROWNS FERRY 2	0.0	BROWNS FERRY 3	79.0	BRUNSWICK 1
	0.0	BRUNSWICK 2	61.4	COOPER STATION	97.6	DRESDEN 2	0.0	DRESDEN 3
	37.5	DUANE ARNOLD	98.1	FITZPATRICK	92.3	HATCH 1	0.0	HATCH 2
	93.6	LASALLE 1	0.0	MILLSTONE 1	0.0	MONTICELLO	0.0	NINE MILE POINT 1
	0.0	OYSTER CREEK 1	0.0	PEACH BOTTOM 2	99.1	PEACH BOTTOM 3	0.0	PILGRIM 1
	0.0	QUAD CITIES 1	69.2	QUAD CITIES 2	98.4	SUSQUEHANNA 1	100.1	VERMONT YANKEE 1

BABCOCK & WILCOX	CFMDC		CFMDC		CFMDC		CFMDC	
	93.8	ARKANSAS 1	94.4	CRYSTAL RIVER 3	83.6	DAVIS-BESSE 1	98.2	OCONEE 1
	98.1	OCONEE 2	8.3	OCONEE 3	85.8	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

COMBUSTION ENGINEERING	CFMDC		CFMDC		CFMDC		CFMDC	
	102.0	ARKANSAS 2	17.6	CALVERT CLIFFS 1	0.0	CALVERT CLIFFS 2	0.0	FORT CALHOUN 1
	0.0	MAINE YANKEE	98.2	MILLSTONE 2	0.0	PALISADES	99.4	SAN ONOFRE 2
	43.5	SAN ONOFRE 3	39.4	ST LUCIE 1	102.6	ST LUCIE 2		

WESTINGHOUSE	CFMDC		CFMDC		CFMDC		CFMDC	
	94.3	BEAVER VALLEY 1	100.6	COOK 1	0.0	COOK 2	93.0	FARLEY 1
	98.9	FARLEY 2	13.2	GINNA	96.9	HADDAM NECK	72.7	INDIAN POINT 2
	90.5	INDIAN POINT 3	70.2	KEWAUNEE	77.1	MCGUIRE 1	83.0	MCGUIRE 2
	35.2	NORTH ANNA 1	87.3	NORTH ANNA 2	101.5	POINT BEACH 1	81.4	POINT BEACH 2
	101.2	PRAIRIE ISLAND 1	102.0	PRAIRIE ISLAND 2	0.0	ROBINSON 2	0.0	SALEM 1
	75.4	SALEM 2	0.0	SAN ONOFRE 1	18.7	SEQUOYAH 1	87.6	SEQUOYAH 2
	82.3	SUMMER 1	78.1	SURRY 1	92.8	SURRY 2	0.0	TROJAN
	61.3	TURKEY POINT 3	0.0	TURKEY POINT 4	0.0	YANKEE-ROWE 1	98.4	ZION 1
	0.0	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.....	6,853,699	12,058,603	3,368,877	3,570,157	18,997,637
MDC NET.....	19,226	26,656	9,009	6,760	42,425
CFMDC.....	47.9	60.8	50.3	71.0	60.2

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

NONE

SECTION 2

OPERATING POWER REACTORS

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

2. Reporting Period: 05/01/84 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	3,647.0	82,842.0
13. Hours Reactor Critical	744.0	3,016.4	55,451.7
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	744.0	2,998.6	54,248.8
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	1,804,318	7,291,231	129,211,528
18. Gross Elec Ener (MWH)	610,545	2,448,235	42,586,600
19. Net Elec Ener (MWH)	583,420	2,343,461	40,601,848
20. Unit Service Factor	100.0	82.2	65.5
21. Unit Avail Factor	100.0	82.2	66.5
22. Unit Cap Factor (MDC Net)	93.8	76.9	58.6
23. Unit Cap Factor (DER Net)	92.3	75.6	57.7
24. Unit Forced Outage Rate	.0	.5	15.8
25. Forced Outage Hours	.0	14.8	10,192.9

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

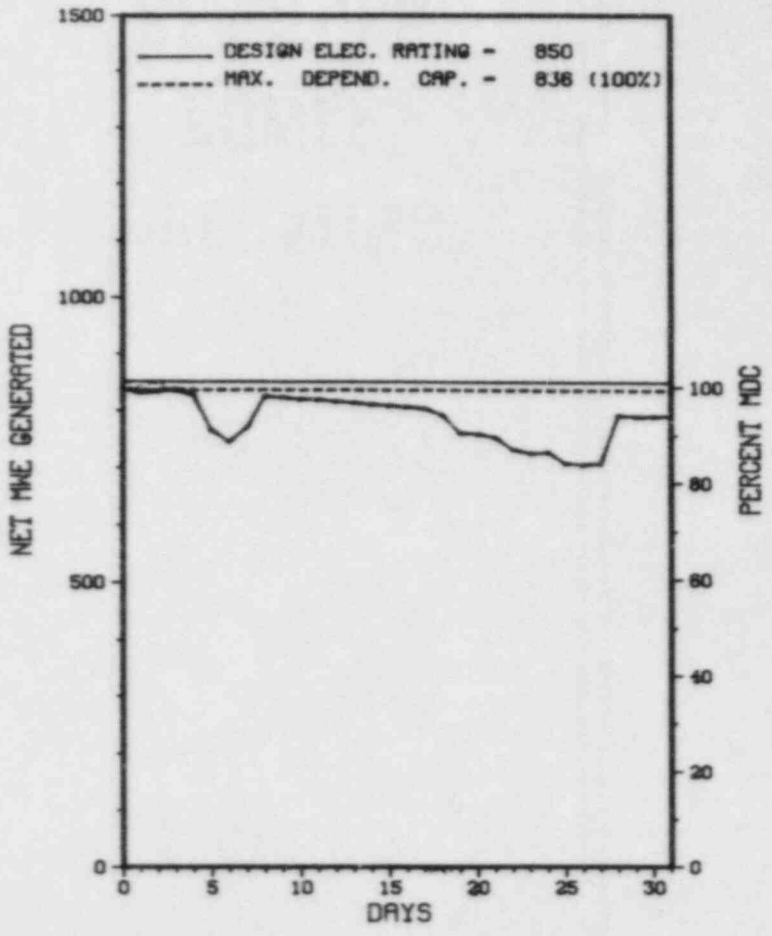
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	05/06/84	F	0.0	H	5		ZZ	ZZZZZZ	UNIT LOAD REDUCTION AT REQUEST OF DISPATCHER. CAUSE: LOSS OF 500 KV TRANSMISSION LINE WHEN A TORNADO HIT A SUBSTATION.

SUMMARY

ARKANSAS 1 OPERATED WITH NO OUTAGES DURING MAY.

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

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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 JANUARY 24-26, 1984 (84-04): ANNOUNCED, REACTIVE INSPECTION OF THE SECURITY ORGANIZATION PERSONNEL AND INSTRUCTION METHODS AS A RESULT OF AN ALLEGED COMPROMISE OF SAFEGUARDS INFORMATION. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 19-22, 1984 (84-08): ROUTINE ANNOUNCED INSPECTION OF THE LICENSEE'S PERFORMANCE AND CAPABILITIES DURING AN EXERCISE OF THE EMERGENCY PLAN AND PROCEDURES. WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 26-APRIL 6, 1984 (84-09): ROUTINE, UNANNOUNCED INSPECTION OF (1) LICENSEE ACTION ON PREVIOUSLY IDENTIFIED VIOLATIONS AND OPEN ITEMS; (2) RADIATION PROTECTION ORGANIZATION; (3) TRAINING AND QUALIFICATIONS; (4) MAINTAINING OCCUPATIONAL EXPOSURES ALARA; (5) EXTERNAL OCCUPATIONAL EXPOSURE CONTROL; (6) INTERNAL EXPOSURE CONTROL; (7) CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, SURVEYS, AND MONITORING; (8) FACILITIES AND EQUIPMENT; AND (9) AUDITS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES).

INSPECTION CONDUCTED MARCH 26-30, 1984 (84-11): ROUTINE, UNANNOUNCED INSPECTION OF THE ARKANSAS NUCLEAR ONE MAINTENANCE PROGRAM. WITHIN THE AREA INSPECTED, TWO VIOLATIONS (FAILURE TO DOCUMENT AND FOLLOW PROCEDURES FOR MAINTENANCE OF MAIN STEAM ISOLATION VALVES, AND FAILURE TO DOCUMENT AND TO FOLLOW PROCEDURES FOR MAINTENANCE OF HIGH PRESSURE COOLANT INJECTION VALVES) WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 1-30, 1984 (84-12): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, AND

INSPECTION SUMMARY

SURVEILLANCE. WITHIN THE AREAS INSPECTED, NO VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

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: APRIL 1-30, 1984

INSPECTION REPORT NO: 50-313/84-12

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 05/01/84 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	3,647.0	36,671.0
13. Hours Reactor Critical	738.5	2,968.7	24,641.4
14. Rx Reserve Shtdwn Hrs	.0	.0	1,430.1
15. Hrs Generator On-Line	731.5	2,822.5	23,772.8
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	2,036,426	7,848,485	59,597,945
18. Gross Elec Ener (MWH)	685,675	2,350,765	19,367,716
19. Net Elec Ener (MWH)	650,971	2,240,620	18,446,960
20. Unit Service Factor	98.3	77.4	64.8
21. Unit Avail Factor	98.3	77.4	65.0
22. Unit Cap Factor (MDC Net)	102.0	71.6	58.6
23. Unit Cap Factor (DER Net)	95.9	67.4	55.2
24. Unit Forced Outage Rate	1.7	2.5	18.7
25. Forced Outage Hours	12.5	73.3	5,451.8

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

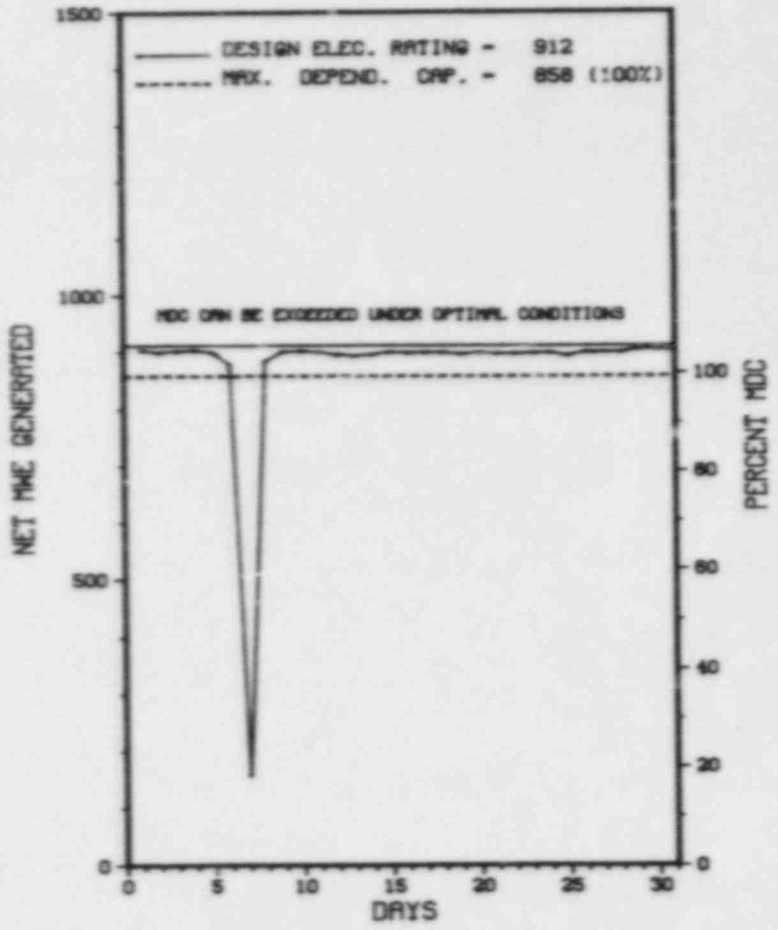
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	05/06/84	F	0.0	H	5		ZZ	ZZZZZZ	UNIT LOAD REDUCTION AT REQUEST OF DISPATCHER. CAUSE: LOSS OF 500 KV TRANSMISSION LINE WHEN A TORNADO STRUCK A SUBSTATION.
84-04	05/07/84	F	12.5	A	3	84-011-00			UNIT TRIPPED DUE TO FEEDWATER CONTROL SYSTEM FAILURE.

****
* SUMMARY *
****

ARKANSAS 2 OPERATED WITH 1 REDUCTION AND 1 OUTAGE DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JANUARY 24-26, 1984 (84-04): ANNOUNCED, REACTIVE INSPECTION OF THE SECURITY ORGANIZATION PERSONNEL AND INSTRUCTION METHODS AS A RESULT OF AN ALLEGED COMPROMISE SAFEGUARDS INFORMATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 19-22, 1984 (84-08): ROUTINE ANNOUNCED INSPECTION OF THE LICENSEE'S PERFORMANCE AND CAPABILITIES DURING AN EXERCISE OF THE EMERGENCY PLAN AND PROCEDURES. WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 26-APRIL 6, 1984 (84-09): ROUTINE, UNANNOUNCED INSPECTION OF (1) LICENSEE ACTION ON PREVIOUSLY IDENTIFIED VIOLATIONS AND OPEN ITEMS; (2) RADIATION PROTECTION ORGANIZATION; (3) TRAINING AND QUALIFICATIONS; (4) MAINTAINING OCCUPATIONAL EXPOSURES ALARA; (5) EXTERNAL OCCUPATIONAL EXPOSURE CONTROL; (6) INTERNAL EXPOSURE CONTROL; (7) CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, SURVEYS, AND MONITORING; (8) FACILITIES AND EQUIPMENT; AND (9) AUDITS. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES).

INSPECTION CONDUCTED MARCH 26-30, 1984 (84-11): ROUTINE, UNANNOUNCED INSPECTION OF THE ARKANSAS NUCLEAR ONE MAINTENANCE PROGRAM. WITHIN THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 1-30, 1984 (84-12): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, AND SURVEILLANCE. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO CONTROL COMBUSTIBLES).

ENFORCEMENT SUMMARY

NONE

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: APRIL 1-30, 1984

INSPECTION REPORT NO: 50-368/84-12

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009	3/1984	4/17/84	DEGRADED RESISTANCE TEMP DETECTOR RESPONSE TIME.
84-010	2/7/84	4/19/84	CPC/COLSS NONCONSERVATIVE FXY CONSTANTS.

1. Docket: 50-334 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	70,871.0
13. Hours Reactor Critical	730.8	3,435.5	34,318.8
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	728.2	3,269.6	33,048.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,812,753	8,254,905	75,844,437
18. Gross Elec Ener (MWH)	605,000	2,692,500	24,121,440
19. Net Elec Ener (MWH)	568,570	2,540,735	22,429,533
20. Unit Service Factor	97.9	89.7	48.9
21. Unit Avail Factor	97.9	89.7	48.9
22. Unit Cap Factor (MDC Net)	94.3	86.0	42.6
23. Unit Cap Factor (DER Net)	91.5	83.4	41.4
24. Unit Forced Outage Rate	2.1	3.5	28.9
25. Forced Outage Hours	15.8	118.8	17,795.9

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

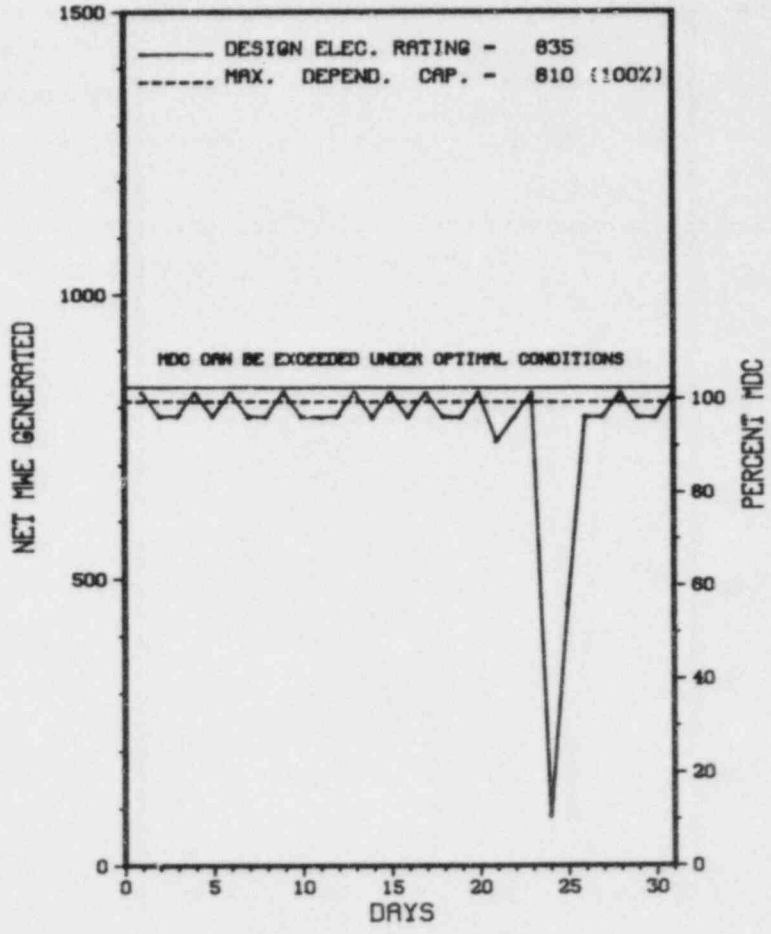
REFUELING & MAINTENANCE: 10/84.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/24/84	F	15.8	A	3	84-004	HA	XXXXXX	AT 0239 HOURS ON THE 24TH, A GENERATOR/TURBINE/REACTOR TRIP OCCURRED. THE CAUSE OF THE TRIP WAS A FAILED TRANSISTOR ON THE TIME LIMITER MODULE OF THE WTA VOLTAGE REGULATOR. THE TRANSITOR WAS REPLACED AND THE REACTOR WAS TAKEN CRITICAL AT 1550 HOURS ON THE SAME DAY. THE MAIN UNIT GENERATOR WAS SYNCHRONIZED TO THE GRID AT 1830 HOURS.

SUMMARY

BEAVER VALLEY 1 OPERATED WITH 1 OUTAGE 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)

****
* 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 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	185,634.0
13. Hours Reactor Critical	716.6	3,270.8	130,981.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	715.8	3,229.5	128,522.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	134,225	613,238	24,099,129
18. Gross Elec Ener (MWH)	43,566	199,368	7,614,977
19. Net Elec Ener (MWH)	41,101	188,091	7,200,303
20. Unit Service Factor	96.2	88.6	69.2
21. Unit Avail Factor	96.2	88.6	69.2
22. Unit Cap Factor (MDC Net)	86.3	80.6	57.8*
23. Unit Cap Factor (DER Net)	76.7	71.6	53.9
24. Unit Forced Outage Rate	3.8	11.4	16.7
25. Forced Outage Hours	28.2	417.5	10,317.8

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

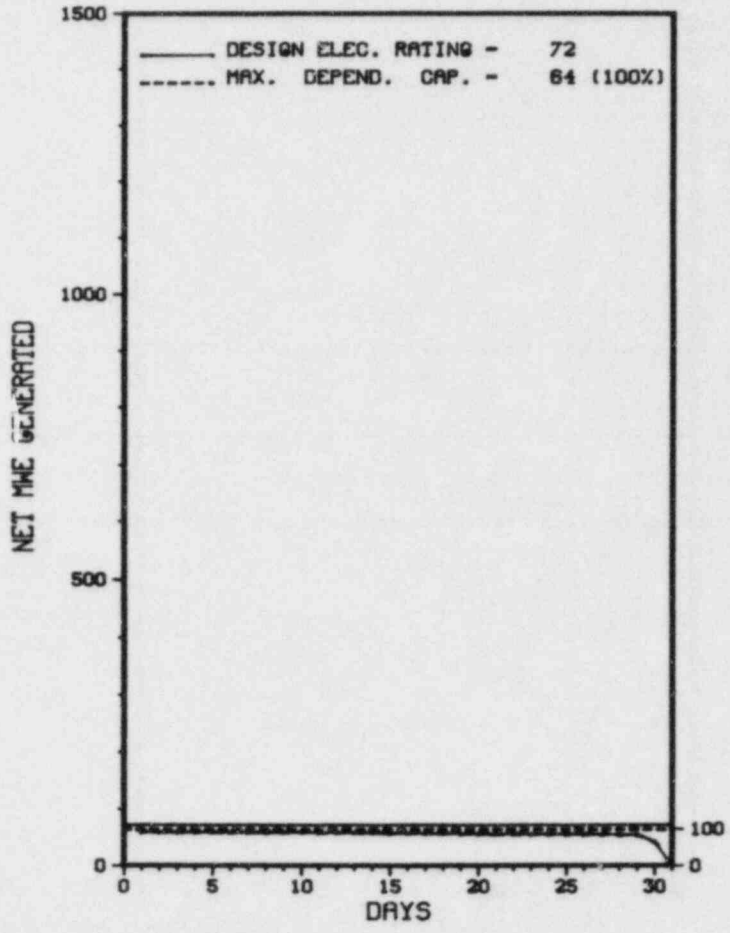
NONE

27. If Currently Shutdown Estimated Startup Date: 07/08/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 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	28.2	A	1		WF		SUSPECTED PIPE BREAK IN A SIX-INCH PIPE FROM THE CONDENSATE STORAGE TANK CAUSED THE PLANT TO SHUTDOWN.

****
* SUMMARY *
****

BIG ROCK POINT OPERATED WITH 1 OUTAGE 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)

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

FACILITY DATA

Report Period MAY 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.....G. WRIGHT

LICENSING PROJ MANAGER.....R. EMCH
DOCKET NUMBER.....50-155

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

PUBLIC DOCUMENT ROOM.....CHARLEVOIX PUBLIC LIBRARY
107 CLINTON STREET
CHARLEVOIX, MICHIGAN 49720

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 17 - APRIL 20, (84-02): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, SURVEILLANCE, LICENSEE EVENT REPORTS, BULLETINS AND REVIEW COMMITTEE ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 100 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE 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:

PLANT SHUT DOWN ON 5/30/84 DUE TO UNDERGROUND WATER LEAK ON LINE TO CONDENSATE STORAGE TANK. WILL GO INTO EIGHT WEEK REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JUNE 4-8, 1984

INSPECTION REPORT NO: 84-06

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
84-01	02/22/84	05/01/84	RDS ISOLATION VALVE FAILURE.

1. Docket: 50-259 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	86,209.0
13. Hours Reactor Critical	744.0	3,405.2	53,211.0
14. Rx Reserve Shtdwn Hrs	.0	225.3	6,009.9
15. Hrs Generator On-Line	744.0	3,318.6	52,036.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,357,182	9,920,114	148,477,793
18. Gross Elec Ener (MWH)	786,510	3,332,590	48,978,210
19. Net Elec Ener (MWH)	767,289	3,248,425	47,573,752
20. Unit Service Factor	100.0	91.0	60.4
21. Unit Avail Factor	100.0	91.0	60.4
22. Unit Cap Factor (MDC Net)	96.8	83.6	51.8
23. Unit Cap Factor (DER Net)	96.8	83.6	51.8
24. Unit Forced Outage Rate	.0	8.2	23.0
25. Forced Outage Hours	.0	296.6	15,521.3

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

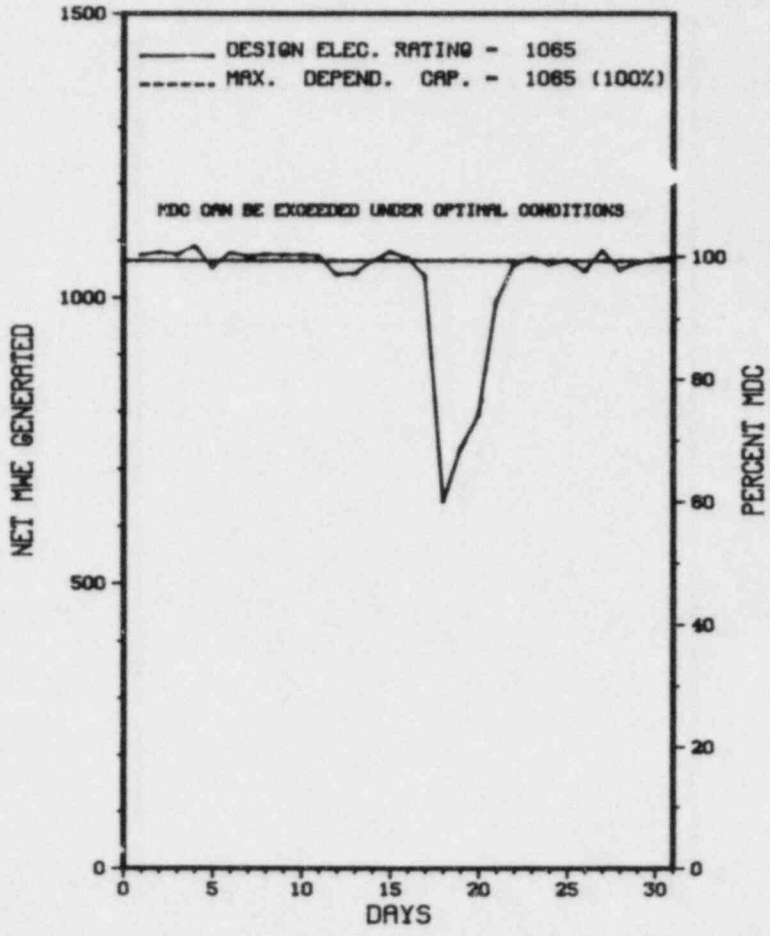
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
281	05/17/84	F	0.0	B	5				DERATED FOR "B" STRING LOW-PRESSURE HEATER MAINTENANCE.

SUMMARY

BROWNS FERRY 1 OPERATED WITH 1 REDUCTION DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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 JANUARY 16-19 (84-02): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN RESPONSE TO THE SHUTDOWN OF UNIT 1 ON JANUARY 6, 1984. IN THE ONE AREA INSPECTED, FOUR APPARENT VIOLATIONS WERE IDENTIFIED (FAILURE TO PERFORM A 10 CFR 50.59 REVIEW ON THE USE OF THE ROD NOTCH OVERRIDE (RONOR) SWITCH FOR SHUTTING DOWN THE REACTOR; AN UNAPPROVED PROCEDURE WAS USED FOR REDUCING REACTOR POWER USING THE RONOR SWITCH; OPERATING THE REACTOR WITH THE ROD SEQUENCE CONTROL SYSTEM (RSCS) INOPERABLE; AND EXCEEDING THE ROD WORTH MINIMIZER (RWM) GROUP LIMITS).

INSPECTION MARCH 26-30 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXPOSURE CONTROL, ALARA, COMPLIANCE PROGRAM, OPEN ITEMS AND TRANSPORTATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN TWO AREAS.

INSPECTION APRIL 16-20 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-19 (84-14): THIS ROUTINE, SPECIAL UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF ELECTRICAL MAINTENANCE WORK, WORK ACTIVITIES AND QUALITY RECORDS, AND LICENSEE IDENTIFIED ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26 - APRIL 25 (84-15): THIS ROUTINE INSPECTION INVOLVED 47 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, PLANT PHYSICAL PROTECTION, MAINTENANCE OBSERVATION, REGULATORY

INSPECTION SUMMARY

PERFORMANCE IMPROVEMENT AND UNIT 1 DRYWELL TEMPERATURE PROBLEMS. OF THE SEVEN AREAS INSPECTED, THERE WERE 7 VIOLATIONS IDENTIFIED. THERE WERE FIVE VIOLATIONS IN THE AREA OF OPERATIONAL SAFETY: ONE VIOLATION WITH TWO EXAMPLES FOR MISALIGNED SYSTEM VALVES ON THE CONTROL AIR COMPRESSOR (UNIT 1) AND DRYWELL DELTA PRESSURE CONTROL AIR COMPRESSOR (UNIT 2); ONE VIOLATION OF TS 6.3.A.1 FOR INCORRECT VALVE CHECKLIST ON THE CONTROL AIR SYSTEM; ONE VIOLATION FOR INADEQUATE TAG REMOVAL ON THE CORE SPRAY SYSTEM; ONE VIOLATION FOR INADEQUATE CONTROL AIR DRAWINGS (FIRST EXAMPLE); AND ONE VIOLATION FOR INCORRECT DRAWING UPDATING TO THE CURRENT REVISION IN THE TECHNICAL SUPPORT CENTER. IN THE AREA OF FIRE PROTECTION THERE WAS ONE NEW VIOLATION AND A SECOND EXAMPLE OF A VIOLATION NOTED IN THE OPERATIONAL SAFETY AREA. ONE VIOLATION FOR INADEQUATE FIRE PROTECTION SURVEILLANCE PROCEDURES AND A SECOND EXAMPLE OF INACCURATE DRAWINGS IN THE FIRE PROTECTION AREA. THERE WERE TWO VIOLATIONS IN THE AREA OF MAINTENANCE OBSERVATION; AND ONE VIOLATION FOR FAILURE TO EXECUTE AN IMPLEMENTED MONORAIL SYSTEM, UNDERHUNG CRANE, FORKLIFT, MOBILE CRANE, AND OVERHEAD HOISTS TESTING PROGRAM.

INSPECTION MAY 1-4 (84-18): INCLUDED REVIEW OF LICENSEE'S CORRECTIVE ACTIONS TO PRIOR FOLLOWUP ITEMS AND VIOLATIONS; 83-26-01 AND 02, 83-31-01, 83-45-01 AND 02, 83-51-01, AND 83-59-01, IN ADDITION, THE INSPECTOR REVIEWED SECURITY ORGANIZATION, AUDIT, BARRIERS, ACCESS CONTROLS, ASSESSMENT AIDS, DETECTION AIDS, AND ALARM STATIONS. THE INSPECTION INVOLVED 8 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING REGULAR SHIFT; 2 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED.

ENFORCEMENT SUMMARY

FAILURE TO PERFORM 10CFR50.59 REVIEW FOR UNREVIEWED SAFETY QUESTION WHEN USE OF RONOR SWITCH FOR SHUTDOWN WAS PROPOSED. FAILURE TO OBTAIN PORC REVIEW AND MANAGEMENT APPROVAL FOR CHANGES TO THE SHUTDOWN PROCEDURE. OPERATION IN STARTUP MODE, CONTROL RODS WERE MOVED, WITH THE RSCS INOPERABLE. FAILURE TO MAINTAIN RWM GROUP INSERTION LIMITS IN STARTUP MODE WITH A LICENSED OPERATOR SUBSTITUTING FOR THE BYPASSED RWM.
(8402 4)

CONTRARY TO THE REQUIREMENTS OF THE CODE FOR INSERVICE INSPECTION SPECIFIED BY 10CFR50.55A, THE LICENSEE'S ULTRASONIC EXAMINATION OF REACTOR VESSEL SUPPORT SKIRT WELDS WAS NOT SATISFACTORY. ADEQUATE EXAMINATION COVERAGE WAS NOT OBTAINED FOR THE 1983 UNIT 1 AND 1982 UNIT 2 EXAMINATIONS, CALIBRATION BLOCK REQUIREMENTS FOR BLOCK THICKNESS AND HOLE SIZE WERE NOT MET FOR THE 1982 UNIT 2 EXAMINATION, AND TRANSFER WAS NOT USED ON THE EXAMINATIONS FOR ANY OF THE THREE UNITS.
(8411 4)

10 CFR 30.41(C) REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OF AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSEE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. CONDITION 29 OF THE STATE OF SOUTH CAROLINA RADIOACTIVE MATERIAL LICENSE NO. 097, ISSUED TO CHEM-NUCLEAR SYSTEMS, INC. STATES THAT WASTES MAY NOT BE RECEIVED FOR DISPOSAL THAT CONTAIN FREE-STANDING WATER IN EXCESS OF ONE-HALF OF ONE PERCENT (0.5%) WASTE VOLUME. CONTRARY TO THE ABOVE, A RESIN LINER CONTAINING IN EXCESS OF ONE ONE-HALF OF ONE PERCENT VOLUME OF FREE-STANDING WATER WAS SHIPPED BY THE LICENSEE TO THE CHEM-NUCLEAR SYSTEMS SITE ON OCTOBER 25, 1983. 10 CFR 50.59(B) REQUIRES THAT THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN THE FACILITY, TO THE EXTENT THAT SUCH CHANGES CONSTITUTE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT. THESE RECORDS SHALL INCLUDED A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAINTAIN A RECORD OF A CHANGE MADE TO THE SOLID RADIOACTIVE WASTE SYSTEM WHICH CONNECTED THE BEAD AND POWDEX RESIN SYSTEMS, NOR WAS A WRITTEN SAFETY EVALUATION PREPARED.
(8412 4)

10 CFR 20.405(A) REQUIRES THAT EACH LICENSEE SHALL MAKE A REPORT IN WRITING WITHIN 30 DAYS TO THE COMMISSION OF EACH EXPOSURE OF AN INDIVIDUAL TO RADIATION IN EXCESS OF THE APPLICABLE LIMITS OF 20.101. 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL ASSIGNED TO WORK IN A LICENSEE'S FACILITY BUT NOT EMPLOYED BY THE LICENSEE, COMPLETES THE WORK ASSIGNMENT IN THE LCIENSEE'S FACILITY, THE LICENSEE SHALL FURNISH THE COMMISSION A REPORT OF THE INDIVIDUAL'S EXPOSURE TO RADIATION INCURRED DURING THE PERIOD OF EMPLOYMENT OR WORK ASSIGNMENT IN THE LICENSEE'S FACILITY. 10 CFR 20.409(B) REQUIRES THAT WHEN A LICENSEE IS REQUIRED PURSUANT

ENFORCEMENT SUMMARY

TO 20.405 OR 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL BE TRANSMITTED AT A TIME NOT LATER THAN THE TRANSMITTAL TO THE COMMISSION, AND SHALL COMPLY WITH THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. CONTRARY TO THE ABOVE, THE REPORTING REQUIREMENTS OF 10 CFR 20.408 AND 20.409(B) WERE NOT MET IN THAT: (A) ON NOVEMBER 15, 1983 THE LCIENSEE REPORTED TO THE COMMISSION THAT AN INDIVIDUAL HAD RECEIVED A WHOLE BODY RADIATION EXPOSURE IN THE THIRD QUARTER OF 1983 IN EXCESS OF THE APPLICABLE 20.101 LIMIT; HOWEVER, THE INDIVIDUAL WAS NOT PROPERLY NOTIFIED. (B) RADIATION EXPOSURE REPORTS FOR INDIVIDUALS NOT EMPLOYED BY THE LICENSEE HAVE NOT BEEN SENT TO THE COMMISSION, NOR TO THE INDIVIDUAL UPON COMPLETION OF THE INDIVIDUAL'S WORK ASSIGNMENT AT THE LICENSEE'S FACILITY.

(8412 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 1-4, 1984 +

INSPECTION REPORT NO: 50-259/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-019/ - -	03/29/84	04/20/84	SURVEILLANCE INSTRUCTION 4.9.A.2.A HAD BEEN REVISED FROM T.S. REQUIREMENT.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 05/01/84 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 ADJUSTMENTS.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	81,120.0
13. Hours Reactor Critical	744.0	3,356.8	53,320.7
14. Rx Reserve Shtdwn Hrs	.0	290.2	14,190.5
15. Hrs Generator On-Line	744.0	3,312.2	51,805.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,456,390	7,943,612	148,088,657
18. Gross Elec Ener (MWH)	461,560	2,574,630	49,171,918
19. Net Elec Ener (MWH)	448,374	2,505,370	47,763,973
20. Unit Service Factor	100.0	90.8	63.9
21. Unit Avail Factor	100.0	90.8	63.9
22. Unit Cap Factor (MDC Net)	56.6	64.5	55.3
23. Unit Cap Factor (DER Net)	56.6	64.5	55.3
24. Unit Forced Outage Rate	.0	6.6	23.8
25. Forced Outage Hours	.0	233.8	16,288.8

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

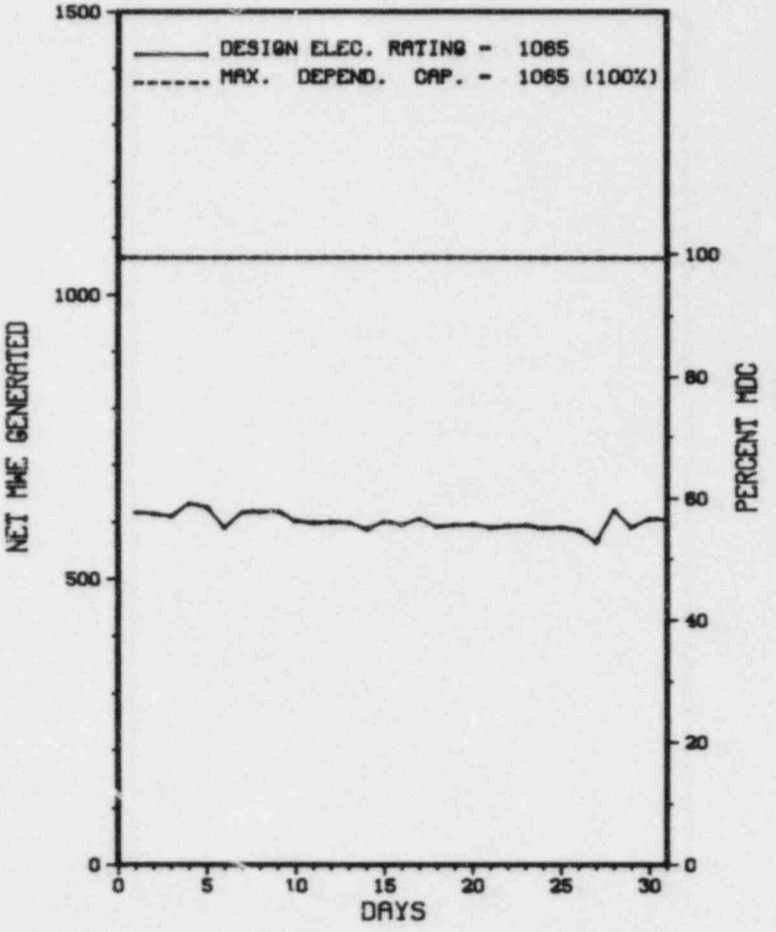
REFUELING & MAINTENANCE - AUGUST 1984.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
292	05/01/84	S	0.0	H	5				DERATED TO EXTEND FUEL CYCLE INTO AUGUST 1984.
293	05/10/84	S	0.0	H	5				DERATED TO EXTEND FUEL CYCLE AND ADMINISTRATIVE HOLD BECAUSE ALL AUTOMATIC DEPRESSURIZATION SYSTEM RELIEF VALVE CABLES ARE ROUTED THROUGH THE SAME CABLE TRAY.

****
* SUMMARY *
****

BROWNS FERRY 2 OPERATED WITH NO OUTAGES AND 2 REDUCTIONS DURING MAY.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & 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 JANUARY 16-19 (84-02): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN RESPONSE TO THE SHUTDOWN OF UNIT 1 ON JANUARY 6, 1984. IN THE ONE AREA INSPECTED, TWO APPARENT VIOLATIONS WERE IDENTIFIED (FAILURE TO PERFORM A 10 CFR 50.59 REVIEW ON THE USE OF THE ROD NOTCH OVERRIDE (RONOR) SWITCH FOR SHUTTING DOWN THE REACTOR; AND AN UNAPPROVED PROCEDURE WAS USED FOR REDUCING REACTOR POWER USING THE RONOR SWITCH).

INSPECTION MARCH 26-30 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXPOSURE CONTROL, ALARA, COMPLIANCE PROGRAM, OPEN ITEMS AND TRANSPORTATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN TWO AREAS.

INSPECTION APRIL 16-20 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-19 (84-14): THIS ROUTINE, SPECIAL UNANNOUNCED INSPECTION INVOLVED 9 INSPECTOR-HOURS ON SITE IN THE AREAS OF ELECTRICAL MAINTENANCE WORK, WORK ACTIVITIES AND QUALITY RECORDS, AND LICENSEE IDENTIFIED ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26 - APRIL 25 (84-15): THIS ROUTINE INSPECTION INVOLVED 46 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, PLANT PHYSICAL PROTECTION, MAINTENANCE OBSERVATION, REGULATORY PERFORMANCE IMPROVEMENT AND UNIT 1 DRYWELL TEMPERATURE PROBLEMS. OF THE SEVEN AREAS INSPECTED, THERE WERE 7 VIOLATIONS

INSPECTION SUMMARY

IDENTIFIED. THERE WERE FOUR VIOLATIONS IN THE AREA OF OPERATIONAL SAFETY: ONE VIOLATION WITH TWO EXAMPLES FOR MISALIGNED SYSTEM VALVES ON THE CONTROL AIR COMPRESSOR AND DRYWELL DELTA PRESSURE CONTROL AIR COMPRESSOR; ONE VIOLATION OF TS 6.3.A.1 FOR INCORRECT VALVE CHECKLIST ON THE CONTROL AIR SYSTEM; ONE VIOLATION FOR INADEQUATE CONTROL AIR DRAWINGS (FIRST EXAMPLE); AND ONE VIOLATION FOR INCORRECT DRAWING UPDATING TO THE CURRENT REVISION IN THE TECHNICAL SUPPORT CENTER. IN THE AREA OF FIRE PROTECTION THERE WAS ONE NEW VIOLATION AND A SECOND EXAMPLE OF A VIOLATION NOTED IN THE OPERATIONAL SAFETY AREA. ONE VIOLATION FOR INADEQUATE FIRE PROTECTION SURVEILLANCE PROCEDURES AND A SECOND EXAMPLE OF INACCURATE DRAWINGS IN THE FIRE PROTECTION AREA. THERE WERE TWO VIOLATIONS IN THE AREA OF MAINTENANCE OBSERVATION; AND ONE VIOLATION FOR FAILURE TO EXECUTE AN IMPLEMENTED MONORAIL SYSTEM, UNDERHUNG CRANE, FORKLIFT, MOBILE CRANE, AND OVERHEAD HOISTS TESTING PROGRAM; ONE VIOLATION FOR FAILURE TO HAVE AN ADEQUATE WORK PLAN OR PROCEDURE FOR FUEL RACK REMOVAL FROM THE UNIT 2 FUEL POOL.

INSPECTION MAY 1-4 (84-18): INCLUDED REVIEW OF LICENSEE'S CORRECTIVE ACTIONS TO PRIOR FOLLOWUP ITEMS AND VIOLATIONS; 83-26-01 AND 02, 83-31-01, 83-45-01 AND 02, 83-51-01, AND 83-59-01, IN ADDITION, THE INSPECTOR REVIEWED SECURITY ORGANIZATION, AUDIT, BARRIERS, ACCESS CONTROLS, ASSESSMENT AIDS, DETECTION AIDS, AND ALARM STATIONS. THE INSPECTION INVOLVED 8 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING REGULAR SHIFT; 2 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED.

ENFORCEMENT SUMMARY

FAILURE TO PERFORM 10CFR50.59 REVIEW FOR UNREVIEWED SAFETY QUESTION WHEN USE OF RONOR SWITCH FOR SHUTDOWN WAS PROPOSED. FAILURE TO OBTAIN PORC REVIEW AND MANAGEMENT APPROVAL FOR CHANGES TO THE SHUTDOWN PROCEDURE.
(8402 4)

CONTRARY TO THE REQUIREMENTS OF THE CODE FOR INSERVICE INSPECTION SPECIFIED BY 10CFR50.55A, THE LICENSEE'S ULTRASONIC EXAMINATION OF REACTOR VESSEL SUPPORT SKIRT WELDS WAS NOT SATISFACTORY. ADEQUATE EXAMINATION COVERAGE WAS NOT OBTAINED FOR THE 1983 UNIT 1 AND 1982 UNIT 2 EXAMINATIONS, CALIBRATION BLOCK REQUIREMENTS FOR BLOCK THICKNESS AND HOLE SIZE WERE NOT MET FOR THE 1982 UNIT 2 EXAMINATION, AND TRANSFER WAS NOT USED ON THE EXAMINATIONS FOR ANY OF THE THREE UNITS.
(8411 4)

10 CFR 30.41(C) REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OF AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSEE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. CONDITION 29 OF THE STATE OF SOUTH CAROLINA RADIOACTIVE MATERIAL LICENSE NO. 097, ISSUED TO CHEM-NUCLEAR SYSTEMS, INC. STATES THAT WASTES MAY NOT BE RECEIVED FOR DISPOSAL THAT CONTAIN FREE-STANDING WATER IN EXCESS OF ONE-HALF OF ONE PERCENT (0.5%) WASTE VOLUME. CONTRARY TO THE ABOVE, A RESIN LINER CONTAINING IN EXCESS OF ONE ONE-HALF OF ONE PERCENT VOLUME OF FREE-STANDING WATER WAS SHIPPED BY THE LICENSEE TO THE CHEM-NUCLEAR SYSTEMS SITE ON OCTOBER 25, 1983. 10 CFR 50.59(B) REQUIRES THAT THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN THE FACILITY, TO THEEXTENT THAT SUCH CHANGES CONSTITUTE CHANGES IN THEFACILITY 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. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAINTAIN A RECORD OF A CHANGE MADE TO THE SOLID RADIOACTIVE WASTE SYSTEM WHICH CONNECTED THE BEAD AND POWDEX RESIN SYSTEMS, NOR WAS A WRITTEN SAFETY EVALUATION PREPARED.
(8412 4)

10 CFR 20.405(A) REQUIRES THAT EACH LICENSEE SHALL MAKE A REPORT IN WRITING WITHIN 30 DAYS TO THE COMMISSION OF EACH EXPOSURE OF AN INDIVIDUAL TO RADIATION IN EXCESS OF THE APPLICABLE LIMITS OF 20.101. 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL ASSIGNED TO WORK IN A LICENSEE'S FACILITY BUT NOT EMPLOYED BY THE LICENSEE, COMPLETES THE WORK ASSIGNMENT IN THE LCIENSEE'S FACILITY, THE LICENSEE SHALL FURNISH THE COMMISSION A REPORT OF THE INDIVIDUAL'S EXPOSURE TO RADIATION INCURRED DURING THE PERIOD OF EMPLOYMENT OR WORK ASSIGNMENT IN THE LICENSEE'S FACILITY. 10 CFR 20.409(B) REQUIRES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.405 OR 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL BE TRANSMITTED AT A TIME NOT LATER THAN THE TRANSMITTAL TO THE COMMISSION, AND SHALL COMPLY WITH THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. CONTRARY TO THE ABOVE, THE REPORTING REQUIREMENTS OF 10 CFR 20.408 AND 20.409(B) WERE

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

ENFORCEMENT SUMMARY

NOT MET IN THAT: (A) ON NOVEMBER 15, 1983 THE LCIENSEE REPORTED TO THE COMMISSION THAT AN INDIVIDUAL HAD RECEIVED A WHOLE BODY RADIATION EXPOSURE IN THE THIRD QUARTER OF 1983 IN EXCESS OF THE APPLICABLE 20.101 LIMIT; HOWEVER, THE INDIVIDUAL WAS NOT PROPERLY NOTIFIED. (B) RADIATION EXPOSURE REPORTS FOR INDIVIDUALS NOT EMPLOYED BY THE LICENSEE HAVE NOT BEEN SENT TO THE COMMISSION, NOR TO THE INDIVIDUAL UPON COMPLETION OF THE INDIVIDUAL'S WORK ASSIGNMENT AT THE LICENSEE'S FACILITY.

(8412 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:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MAY 1-4, 1984 +

INSPECTION REPORT NO: 50-260/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 05/01/84 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	3,647.0	63,575.0
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	66.4
21. Unit Avail Factor	.0	.0	66.4
22. Unit Cap Factor (MDC Net)	.0	.0	59.6
23. Unit Cap Factor (DER Net)	.0	.0	59.6
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):

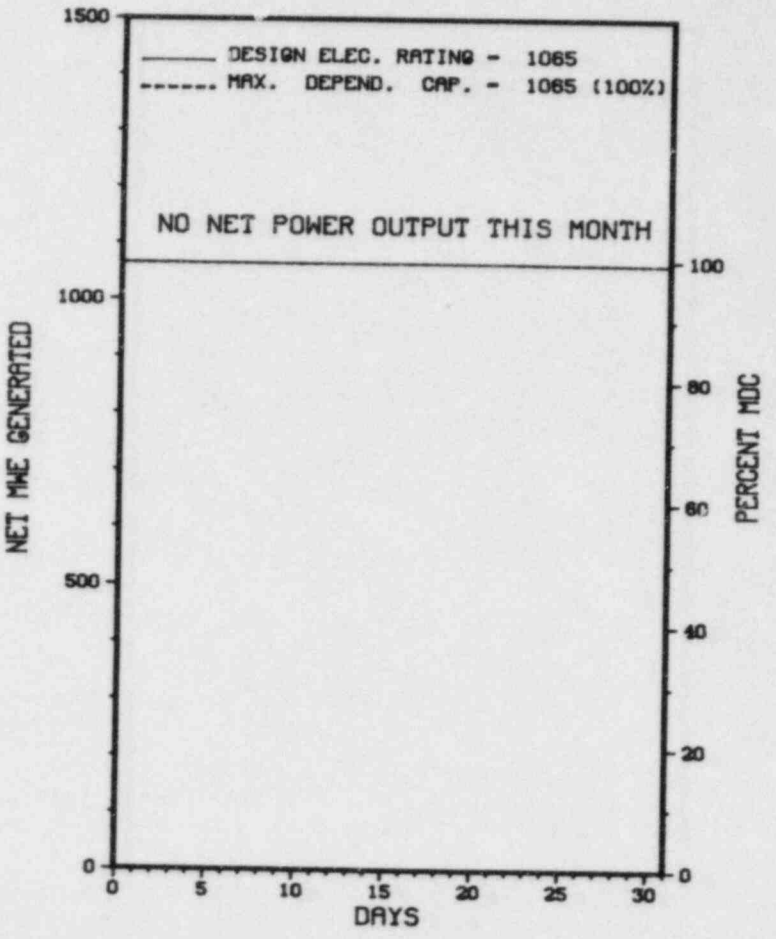
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



MAY 1984

Report Period MAY 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 REFUEL & MAINTENANCE OUTAGE CONTINUES.

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 JANUARY 16-19 (84-02): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN RESPONSE TO THE SHUTDOWN OF UNIT 1 ON JANUARY 6, 1984. IN THE ONE AREA INSPECTED, THREE APPARENT VIOLATIONS WERE IDENTIFIED (FAILURE TO PERFORM A 10 CFR 50.59 REVIEW ON THE USE OF THE ROD NOTCH OVERRIDE (RONOR) SWITCH FOR SHUTTING DOWN THE REACTOR; AN UNAPPROVED PROCEDURE WAS USED FOR REDUCING REACTOR POWER USING THE RONOR SWITCH; AND OPERATING THE REACTOR WITH THE ROD SEQUENCE CONTROL SYSTEM (RSCS) INOPERABLE).

INSPECTION MARCH 26-30 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF EXPOSURE CONTROL, ALARA, COMPLIANCE PROGRAM, OPEN ITEMS AND TRANSPORTATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN TWO AREAS.

INSPECTION APRIL 16-20 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-19 (84-14): THIS ROUTINE, SPECIAL UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF ELECTRICAL MAINTENANCE WORK, WORK ACTIVITIES AND QUALITY RECORDS, AND LICENSEE IDENTIFIED ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 26 - APRIL 25 (84-15): THIS ROUTINE INSPECTION INVOLVED 47 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING OBSERVATION, REPORTABLE OCCURRENCES, PLANT PHYSICAL PROTECTION, MAINTENANCE OBSERVATION, REGULATORY

INSPECTION SUMMARY

PERFORMANCE IMPROVEMENT AND UNIT 1 DRYWELL TEMPERATURE PROBLEMS. OF THE SEVEN AREAS INSPECTED, THERE WERE 6 VIOLATIONS IDENTIFIED. THERE WERE FOUR VIOLATIONS IN THE AREA OF OPERATIONAL SAFETY: ONE VIOLATION OF TS 6.3.A.1 FOR INCORRECT VALVE CHECKLIST ON THE CONTROL AIR SYSTEM; ONE VIOLATION FOR INADEQUATE TAG REMOVAL ON THE CORE SPRAY SYSTEM; ONE VIOLATION FOR INADEQUATE CONTROL AIR DRAWINGS (FIRST EXAMPLE); AND ONE VIOLATION FOR INCORRECT DRAWING UPDATING TO THE CURRENT REVISION IN THE TECHNICAL SUPPORT CENTER. IN THE AREA OF FIRE PROTECTION THERE WAS ONE NEW VIOLATION AND A SECOND EXAMPLE OF A VIOLATION NOTED IN THE OPERATIONAL SAFETY AREA. ONE VIOLATION FOR INADEQUATE FIRE PROTECTION SURVEILLANCE PROCEDURES AND A SECOND EXAMPLE OF INACCURATE DRAWINGS IN THE FIRE PROTECTION AREA. THERE WERE TWO VIOLATIONS IN THE AREA OF MAINTENANCE OBSERVATION; AND ONE VIOLATION FOR FAILURE TO EXECUTE AN IMPLEMENTED MONORAIL SYSTEM, UNDERHUNG CRANE, FORKLIFT, MOBILE CRANE, AND OVERHEAD HOISTS TESTING PROGRAM.

INSPECTION MAY 1-4 (84-18): INCLUDED REVIEW OF LICENSEE'S CORRECTIVE ACTIONS TO PRIOR FOLLOWUP ITEMS AND VIOLATIONS; 83-26-01 AND 02, 83-31-01, 83-45-01 AND 02, 83-51-01, AND 83-59-01, IN ADDITION, THE INSPECTOR REVIEWED SECURITY ORGANIZATION, AUDIT, BARRIERS, ACCESS CONTROLS, ASSESSMENT AIDS, DETECTION AIDS, AND ALARM STATIONS. THE INSPECTION INVOLVED 8 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING REGULAR SHIFT; 2 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED.

ENFORCEMENT SUMMARY

FAILURE TO PERFORM 10CFR50.59 REVIEW FOR UNREVIEWED SAFETY QUESTION WHEN USE OF RONOR SWITCH FOR SHUTDOWN WAS PROPOSED. FAILURE TO OBTAIN PORC REVIEW AND MANAGEMENT APPROVAL FOR CHANGES TO THE SHUTDOWN PROCEDURE. OPERATION IN STARTUP MODE, CONTROL RODS WERE MOVE D WITH THE RSCS INOPERABLE.
(8402 4)

CONTRARY TO THE REQUIREMENTS OF THE CODE FOR INSERVICE INSPECTION SPECIFIED BY 10CFR50.55A, THE LICENSEE'S ULTRASONIC EXAMINATION OF REACTOR VESSEL SUPPORT SKIRT WELDS WAS NOT SATISFACTORY. ADEQUATE EXAMINATION COVERAGE WAS NOT OBTAINED FOR THE 1983 UNIT 1 AND 1982 UNIT 2 EXAMINATIONS, CALIBRATION BLOCK REQUIREMENTS FOR BLOCK THICKNESS AND HOLE SIZE WERE NOT MET FOR THE 1982 UNIT 2 EXAMINATION, AND TRANSFER WAS NOT USED ON THE EXAMINATIONS FOR ANY OF THE THREE UNITS.
(8411 4)

10 CFR 30.41(C) REQUIRES THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A SPECIFIC LICENSEE OF AN AGREEMENT STATE, THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSEE AUTHORIZES THE RECEIPT OF THE TYPE, FORM AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. CONDITION 29 OF THE STATE OF SOUTH CAROLINA RADIOACTIVE MATERIAL LICENSE NO. 097, ISSUED TO CHEM-NUCLEAR SYSTEMS, INC. STATES THAT WASTES MAY NOT BE RECEIVED FOR DISPOSAL THAT CONTAIN FREE-STANDING WATER IN EXCESS OF ONE-HALF OF ONE PERCENT (0.5%) WASTE VOLUME. CONTRARY TO THE ABOVE, A RESIN LINER CONTAINING IN EXCESS OF ONE ONE-HALF OF ONE PERCENT VOLUME OF FREE-STANDING WATER WAS SHIPPED BY THE LICENSEE TO THE CHEM-NUCLEAR SYSTEMS SITE ON OCTOBER 25, 1983. 10 CFR 50.59(B) REQUIRES THAT THE LICENSEE SHALL MAINTAIN RECORDS OF CHANGES IN THE FACILITY, TO THE EXTENT THAT SUCH CHANGES CONSTITUTE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT. THESE RECORDS SHALL INCLUDED A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAINTAIN A RECORD OF A CHANGE MADE TO THE SOLID RADIOACTIVE WASTE SYSTEM WHICH CONNECTED THE BEAD AND POWDEX RESIN SYSTEMS, NOR WAS A WRITTEN SAFETY EVALUATION PREPARED.
(8412 4)

10 CFR 20.405(A) REQUIRES THAT EACH LICENSEE SHALL MAKE A REPORT IN WRITING WITHIN 30 DAYS TO THE COMMISSION OF EACH EXPOSURE OF AN INDIVIDUAL TO RADIATION IN EXCESS OF THE APPLICABLE LIMITS OF 20.101. 10 CFR 20.408(B) REQUIRES THAT WHEN AN INDIVIDUAL ASSIGNED TO WORK IN A LICENSEE'S FACILITY BUT NOT EMPLOYED BY THE LICENSEE, COMPLETES THE WORK ASSIGNMENT IN THE LCIENSEE'S FACILITY, THE LICENSEE SHALL FURNISH THE COMMISSION A REPORT OF THE INDIVIDUAL'S EXPOSURE TO RADIATION INCURRED DURING THE PERIOD OF EMPLOYMENT OR WORK ASSIGNMENT IN THE LICENSEE'S FACILITY. 10 CFR 20.409(B) REQUIRES THAT WHEN A LICENSEE IS REQUIRED PURSUANT TO 20.405 OR 20.408 TO REPORT TO THE COMMISSION ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION, THE LICENSEE SHALL ALSO NOTIFY THE INDIVIDUAL. SUCH NOTICE SHALL BE TRANSMITTED AT A TIME NOT LATER THAN THE TRANSMITTAL TO THE COMMISSION, AND SHALL COMPLY WITH

ENFORCEMENT SUMMARY

THE PROVISIONS OF 19.13(A) OF THIS CHAPTER. CONTRARY TO THE ABOVE, THE REPORTING REQUIREMENTS OF 10 CFR 20.408 AND 20.409(B) WERE NOT MET IN THAT: (A) ON NOVEMBER 15, 1983 THE LCIENSEE REPORTED TO THE COMMISSION THAT AN INDIVIDUAL HAD RECEIVED A WHOLE BODY RADIATION EXPOSURE IN THE THIRD QUARTER OF 1983 IN EXCESS OF THE APPLICABLE 20.101 LIMIT; HOWEVER, THE INDIVIDUAL WAS NOT PROPERLY NOTIFIED. (B) RADIATION EXPOSURE REPORTS FOR INDIVIDUALS NOT EMPLOYED BY THE LICENSEE HAVE NOT BEEN SENT TO THE COMMISSICN, NOR TO THE INDIVIDUAL UPON COMPLETION OF THE INDIVIDUAL'S WORK ASSIGNMENT AT THE LICENSEE'S FACILITY.

(8412 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 1-4, 1984 +

INSPECTION REPORT NO: 50-296/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
79-005/ 01-T	05/06/79	04/27/84	ISOLATION OF UNIT 3 WATER SUPPLY DURING UNIT 2 MAINTENANCE, CAUSED BY A LACK OF ADMINISTRATIVE CONTROL.
84-005/ - -	04/02/84	04/20/84	A LINEAR ROOT INDICATION IN THE HEAT AFFECTED ZONE FOUND ON A 6" PIPE WELD IN REACTOR WATER CLEANUP SYSTEM.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-325 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	63,168.0
13. Hours Reactor Critical	652.4	3,158.1	39,556.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	628.4	3,062.4	37,151.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,425,709	7,146,218	75,573,504
18. Gross Elec Ener (MWH)	479,120	2,391,320	24,938,368
19. Net Elec Ener (MWH)	464,091	2,322,861	23,936,692
20. Unit Service Factor	84.5	84.0	58.8
21. Unit Avail Factor	84.5	84.0	58.8
22. Unit Cap Factor (MDC Net)	79.0	80.6	48.0
23. Unit Cap Factor (DER Net)	76.0	77.6	46.2
24. Unit Forced Outage Rate	15.5	11.8	20.2
25. Forced Outage Hours	115.6	409.4	9,328.6

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

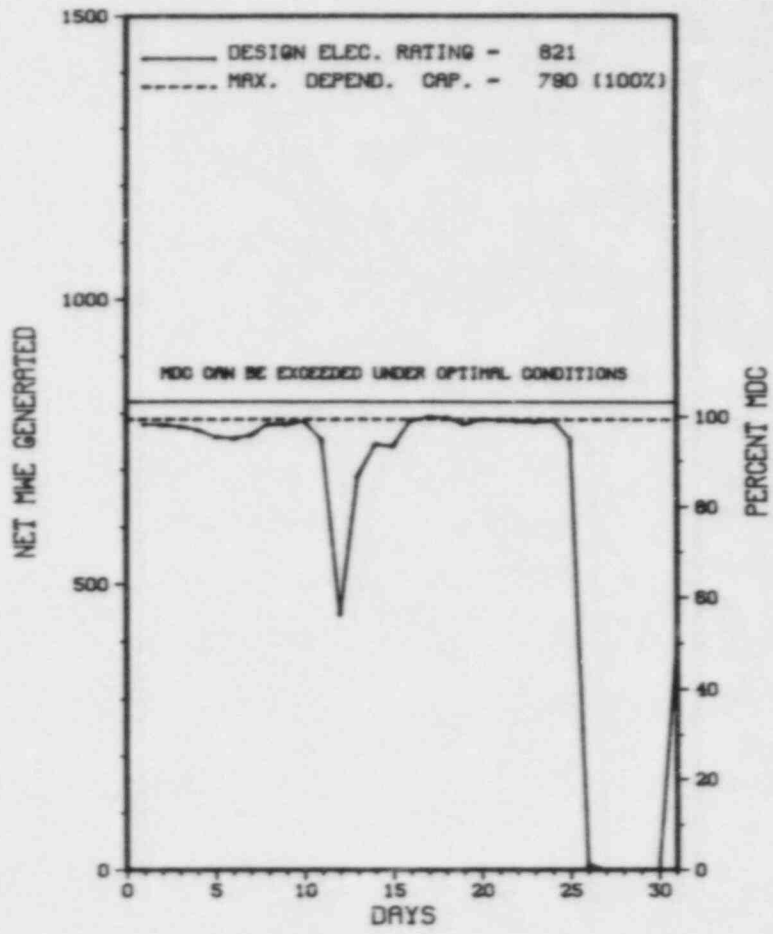
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-033	05/11/84	F	0.0	A	5				REDUCED POWER FOR MAINTENANCE ON 1B REACTOR FEED PUMP AND MD-V17.
84-038	05/26/84	F	115.6	B	2		XX	VESSEL	UNIT SHUTDOWN FOR DRYWELL LEAKAGE MAINTENANCE.

****
* SUMMARY *
****

BRUNSWICK 1 OPERATED ROUTINELY DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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 APRIL 16-20 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INDEPENDENT INSPECTION EFFORT, INSERVICE INSPECTION (ISI) REVIEW OF PROCEDURES, ISI OBSERVATION OF WORK AND WORK ACTIVITIES, IE BULLETINS, AND PREVIOUS ENFORCEMENT ITEMS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 7-9 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 66 INSPECTOR-HOURS ON SITE IN THE APEA OF AH EMERGENCY PREPAREDNESS EXERCISE. 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:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: MAY 7-9, 1984 +

INSPECTION REPORT NO: 50-325/84-11 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-055/ 03L	06/22/82	04/24/84	DWED FLOW INTEGRATOR WAS CONTINUOUSLY INDICATING DWED SUMP FLOW WITH NO DWED PUMPS RUNNING, DUE TO WATER IN CALIBRATOR.
84-006/ - -	03/31/84	04/30/84	UNIT 1 REACTOR SCRAM OCCURRED DUE TO REACTOR LOW LEVEL.
84-007/ - -	03/31/84	04/30/84	UNIT 1 HCI SYSTEM AUTOMATICALLY INITIATED ON DECREASING REACTOR LEVEL FOLLOWING A REACTOR SCRAM, DUE TO A BROKEN WIRE.

1. Docket: 50-324 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	75,192.0
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)	-3,893	1,063,222	26,090,840
20. Unit Service Factor	.0	43.0	57.7
21. Unit Avail Factor	.0	43.0	57.7
22. Unit Cap Factor (MDC Net)	.0	36.9	43.9
23. Unit Cap Factor (DER Net)	.0	35.5	42.3
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):

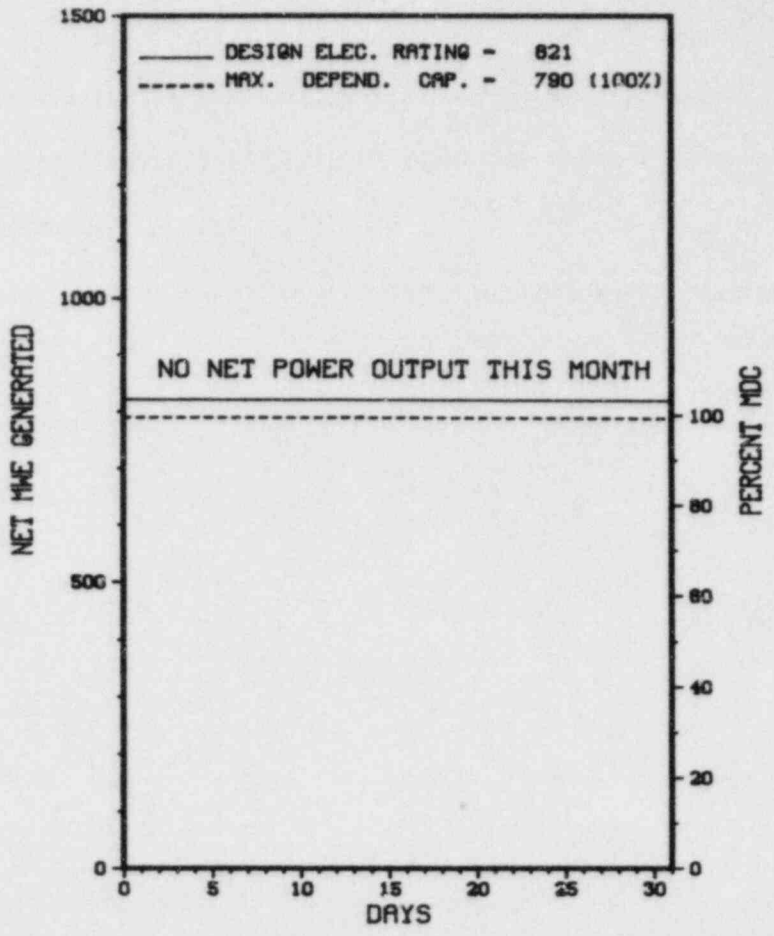
NONE

27. If Currently Shutdown Estimated Startup Date: 10/16/84

BRUNSWICK 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

BRUNSWICK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-020	03/13/84	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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

Report Period MAY 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...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 APRIL 16-20 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INDEPENDENT INSPECTION EFFORT, INSERVICE INSPECTION (ISI) REVIEW OF PROCEDURES, ISI OBSERVATION OF WORK AND WORK ACTIVITIES, IE BULLETINS, AND PREVIOUS ENFORCEMENT ITEMS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 7-9 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 66 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. 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:

REFUEL AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: MAY 7-9, 1984 +

INSPECTION REPORT NO: 50-324/84-11 +

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
NONE.			

1. Docket: 50-317 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	79,476.0
13. Hours Reactor Critical	152.0	2,884.9	62,851.8
14. Rx Reserve Shtdwn Hrs	.0	.0	1,887.9
15. Hrs Generator On-Line	137.0	2,853.1	61,599.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	353,681	7,575,200	151,717,495
18. Gross Elec Ener (MWH)	120,19*	2,588,725	50,016,210
19. Net Elec Ener (MWH)	107,956	2,474,507	47,709,473
20. Unit Service Factor	18.4	78.2	77.5
21. Unit Avail Factor	18.4	78.2	77.5
22. Unit Cap Factor (MDC Net)	17.6	82.2	73.6*
23. Unit Cap Factor (DER Net)	17.2	80.3	71.0
24. Unit Forced Outage Rate	81.6	21.8	8.3
25. Forced Outage Hours	607.0	793.9	5,456.7

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

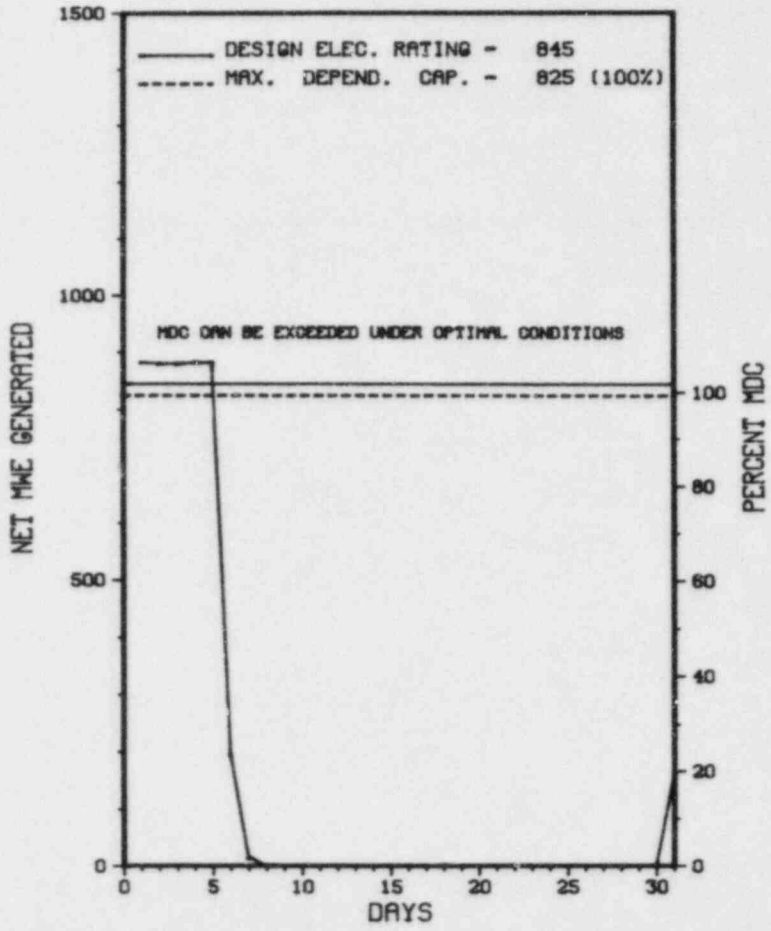
NONE

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

CALVERT CLIFFS 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	05/06/84	F	607.0	A	1	84-005-00	CF	HTEXCH	INSPECT AND REPAIR SALT WATER SYSTEM.

SUMMARY

CALVERT CLIFFS 1 OFERATED WITH 1 SUBSTANTIAL OUTAGE FOR EQUIPMENT FAILURE IN MAY.

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

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

FACILITY DATA

Report Period MAY 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

10 CFR 71.5 PROHIBITS DELIVERY OF LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, UNLESS THE LICENSEE COMPLIES WITH APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION IN 49 CFR, PARTS 170-189. 49 CFR 173.425(B)(3) STATUS THAT EXTERNAL RADIATION LEVELS MUST COMPLY WITH 49 CFR 173.441. 49 CFR 173.441(B)(1)(I) STATES THAT THE RADIATION LEVEL ON THE ACCESSIBLE EXTERNAL SURFACE OF A PACKAGE TRANSPORTED IN A CLOSED TRANSPORT VEHICLE CANNOT EXCEED 1000 MILLIREM PER HOUR. CONTRARY TO THE ABOVE, ON JULY 18, 1983, THE LICENSEE DELIVERED TWO PACKAGES CONTAINING LICENSED MATERIAL TO A CARRIER FOR TRANSPORT IN A CLOSED TRANSPORT VEHICLE, AND THE RADIATION LEVEL ON THE ACCESSIBLE EXTERNAL SURFACE OF EACH PACKAGE EXCEEDED 1000 MILLIREM PER HOUR. THE RADIATION LEVEL ON THE EXTERNAL SURFACE OF PACKAGE NO. 555, CONTAINING APPROXIMATELY 70 MILLICURIES OF LICENSED MATERIAL, WAS 3,500 MILLIREM PER HOUR. THE RADIATION LEVEL ON TLE EXTERNAL SURFACE OF PACKAGE NO. 556, CONTAINING APPROXIMATELY 10 MILLICURIES OF LICENSED MATERIAL, WAS 2,000 MILLIREM PER HOUR. THIS IS A SEVERITY LEVEL III VIOLATION (SUPPLEMENT V). (8328 3)

TECH SPEC 6.8.1.G REQUIRES THAT THE AMOUNT OF OVERTIME WORKED BY PLANT STAFF MEMBERS PERFORMING SAFETY-RELATED FUNCTIONS MUST BE LIMITED IN ACCORDANCE WITH THE NRC POLICY STATEMENT ON WORKING HOURS (GENERIC LETTER NUMBER 82-12). CALVERT CLIFFS INSTRUCTION

ENFORCEMENT SUMMARY

140C (CCI-140C), CHANGE 5, SEPTEMBER 8, 1983, ESTABLISHED TO IMPLEMENT THE NRC POLICY STATEMENT, IDENTIFIES RAD CHEM TECHNICIANS WHO ARE QUALIFIED TO THE RECOMMENDATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) 18.1 IS BEING SUBJECT TO THE POLICY STATEMENT. WITHIN CCI-140C, SECTION XII A.3 REQUIRES, IN PART, THAT INDIVIDUALS SHOULD NOT WORK MORE THAN 72 HOURS IN ANY SEVEN DAY PERIOD, WITHOUT AUTHORIZATION. SECTION XX B PROVIDES THAT AUTHORIZATION TO DEVIATE FROM SECTION XII A.3 SHALL BE APPROVED IN WRITING BY THE PLANT SUPERINTENDENT, OR THE INDIVIDUALS'S GENERAL SUPERVISOR. CONTRARY TO THE ABOVE, FROM SEPTEMBER 27 TRHOUGH OCTOBER 15, 1983, IN EXCESS OF 56 OCCASIONS WERE RECORDED ON WHICH ANSI 18.1 QUALIFIED RAD CHEM TECHNICIANS EXCEEDED THE GUIDELINES OF CCI-140C, SECTION XII A.3 BY WORKING MORE THAN 72 HOURS IN A SEVEN DAY PERIOD TO AS MUCH AS 87 HOURS IN A SEVEN DAY PERIOD, AND NO AUTHORIZATIONS WERE MADE IN ACCORDANCE WITH CCI-140C SECTION XII B BY EITHER THE PLANT SUPERINTENDENT OR THE GENERAL SUPERVISOR-RADIATION SAFETY.
(8329 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: 50-318 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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	3,647.0	62,831.0
13. Hours Reactor Critical	.0	2,652.0	52,579.8
14. Rx Reserve Shtdwn Hrs	.0	.0	958.1
15. Hrs Generator On-Line	.0	2,612.0	51,727.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	6,881,107	128,722,800
18. Gross Elec Ener (MWH)	0	2,263,762	42,333,048
19. Net Elec Ener (MWH)	0	2,164,181	40,367,943
20. Unit Service Factor	.0	71.6	82.3
21. Unit Avail Factor	.0	71.6	82.3
22. Unit Cap Factor (MDC Net)	.0	71.9	78.4*
23. Unit Cap Factor (DER Net)	.0	70.2	76.0
24. Unit Forced Outage Rate	.0	1.6	5.6
25. Forced Outage Hours	.0	42.3	3,087.5

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

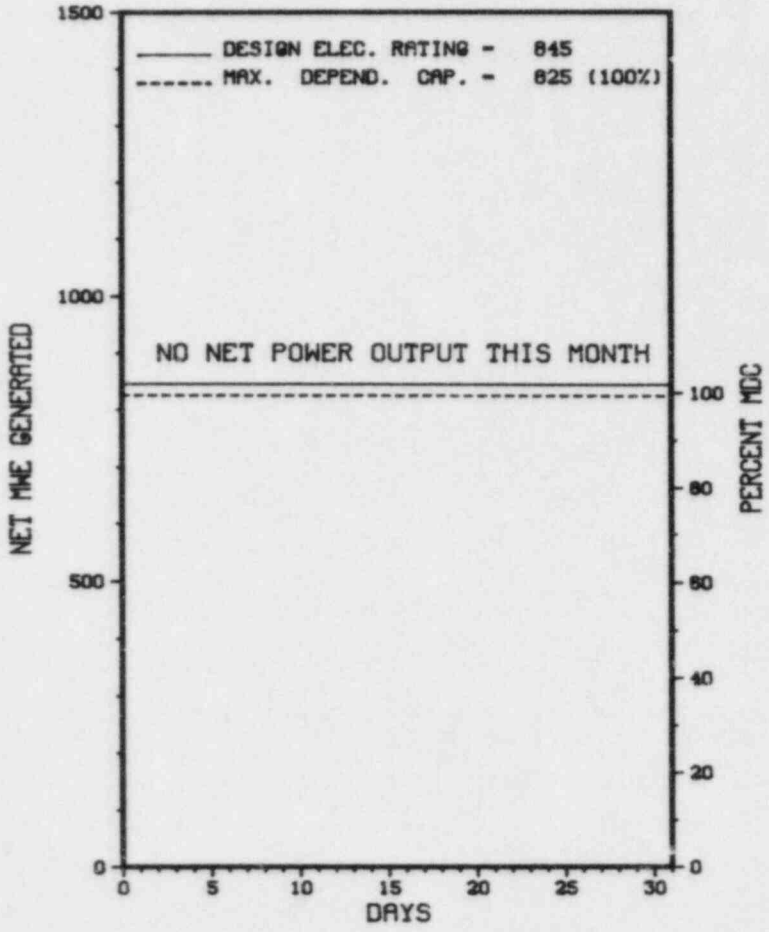
NONE

27. If Currently Shutdown Estimated Startup Date: 07/02/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-04	04/21/84	S	744.0	C	4		RC	FUELXX	CONTINUATION OF REFUELING AND GENERAL INSPECTION.

SUMMARY

CALVERT CLIFFS 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)

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

FACILITY DATA

Report Period MAY 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...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

10 CFR 71.5 PROHIBITS DELIVERY OF LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, UNLESS THE LICENSEE COMPLIES WITH APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION IN 49 CFR, PARTS 170-189. 49 CFR 173.425(B)(3) STATES THAT EXTERNAL RADIATION LEVELS MUST COMPLY WITH 49 CFR 173.441. 49 CFR 173.441(B)(1)(I) STATES THAT THE RADIATION LEVELS ON THE ACCESSIBLE EXTERNAL SURFACE OF A PACKAGE TRANSPORTED IN A CLOSED TRANSPORT VEHICLE CANNOT EXCEED 1000 MILLIREM PER HOUR. CONTRARY TO THE ABOVE, ON JULY 18, 1983, THE LICENSEE DELIVERED TWO PACKAGES, CONTAINING LICENSED MATERIAL, TO A CARRIER FOR TRANSPORT IN A CLOSED TRANSPORT VEHICLE, AND THE RADIATION LEVEL ON THE ACCESSIBLE EXTERNAL SURFACE OF EACH PACKAGE EXCEEDED 1000 MILLIREM PER HOUR. THE RADIATION LEVEL ON THE EXTERNAL SURFACE OF PACKAGE NO. 555, CONTAINING APPROXIMATELY 70 MILLICURIES OF LICENSED MATERIAL, WAS 3,500 MILLIREM PER HOUR. THE RADIATION LEVEL ON THE EXTERNAL SURFACE OF PACKAGE NO. 556, CONTAINING APPROXIMATELY 10 MILLICURIES OF LICENSED MATERIAL, WAS 2,000 MILLIREM PER HOUR. THIS IS A SEVERITY LEVEL III VIOLATION (SUPPLEMENT V). (8328 3)

TECH SPEC 6.8.1.G REQUIRES THAT THE AMOUNT OF OVERTIME WORKED BY PLANT STAFF MEMBERS PERFORMING SAFETY-RELATED FUNCTIONS MUST BE LIMITED IN ACCORDANCE WITH THE NRC POLICY STATEMENT ON WORKING HOURS (GENERIC LETTER NUMBER 82-12). CALVERT CLIFFS INSTRUCTION

ENFORCEMENT SUMMARY

140C (CCI-140C), CHANGE 5, SEPTEMBER 8, 1983, ESTABLISHED TO IMPLEMENT THE NRC POLICY STATEMENT, IDENTIFIES RAD CHEM TECHNICIANS WHO ARE QUALIFIED TO THE RECOMMENDATIONS OF THE ANSI 18.1 AS BEING SUBJECT TO THE POLICY STATEMENT. WITHIN CCI-140C, SECTION XII A.3 REQUIRES, IN PART, THAT INDIVIDUALS SHOULD NOT WORK MORE THAN 72 HOURS IN ANY SEVEN DAY PERIOD, WITHOUT AUTHORIZATION. SECTION XX B PROVIDES THAT AUTHORIZATION TO DEVIATE FROM SECTION XII A.3 SHALL BE APPROVED IN WRITING BY THE PLANT SUPERINTENDENT, OR THE INDIVIDUAL'S GENERAL SUPERVISOR. CONTRARY TO THE ABOVE, FROM SEPTEMBER 27 THROUGH OCTOBER 15, 1983, IN EXCESS OF 56 OCCASIONS WERE RECORDED ON WHICH ANSI 18.1 QUALIFIED RAD CHEM TECHNICIANS EXCEEDED THE GUIDELINES OF CCI-140C, SECTION XII A.3 BY WORKING MORE THAN 72 HOURS IN A SEVEN DAY PERIOD TO AS MUCH AS 87 HOURS IN A SEVEN DAY PERIOD, AND NO AUTHORIZATIONS WERE MADE IN ACCORDANCE WITH CCI-140C SECTION XII B BY EITHER THE PLANT SUPERINTENDENT OR THE GENERAL SUPERVISOR-RADIATION SAFETY. (8329 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: 50-315 OPERATING STATUS
2. Reporting Period: 05/01/84 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

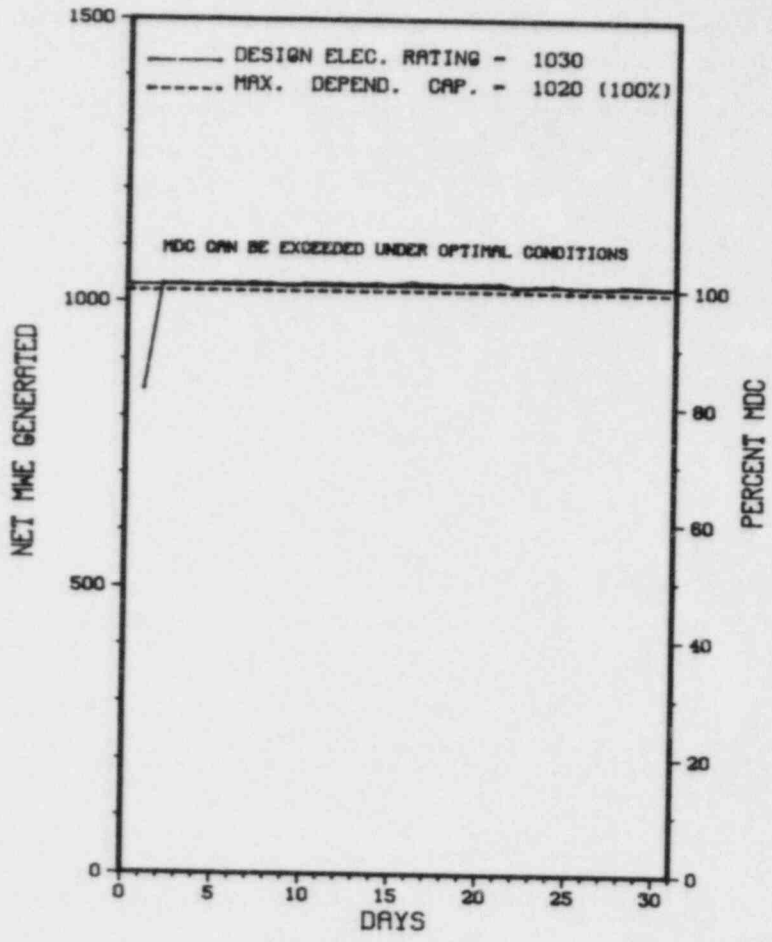
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	82,535.0
13. Hours Reactor Critical	744.0	3,400.9	61,019.1
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	744.0	3,377.2	59,720.9
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	2,398,744	10,217,092	174,298,706
18. Gross Elec Ener (MWH)	791,180	3,361,280	57,287,570
19. Net Elec Ener (MWH)	763,734	3,236,512	55,116,852
20. Unit Service Factor	100.0	92.6	74.2
21. Unit Avail Factor	100.0	92.6	74.2
22. Unit Cap Factor (MDC Net)	100.6	87.0	67.2
23. Unit Cap Factor (DER Net)	99.7	86.2	64.4
24. Unit Forced Outage Rate	.0	7.4	7.8
25. Forced Outage Hours	.0	269.8	4,350.6

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
SURVEILLANCE & MAINTENANCE OUTAGE: 08/24/84
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

COOK 1

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

SUMMARY

COOK 1 OPERATED AT OR NEAR 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)

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

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...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 MARCH 13, THROUGH APRIL 30, (84-06): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE SURVEILLANCE; LICENSEE EVENT REPORTS; TMI TASK ACTION ITEMS; PLANT NUCLEAR REVIEW COMMITTEE; REFUELING ACTIVITIES; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 338 INSPECTOR-HOURS BY SEVEN NRC INSPECTORS INCLUDING 78 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN EACH OF THE REMAINING AREAS.

INSPECTION ON APRIL 17-20, (84-07): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE UNIT 2 REFUELING AND MAINTENANCE OUTAGE INCLUDING: AUDITS AND APPRAISALS, CHANGES, PLANNING AND PREPARATION, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATIONS, ALARA, AND PROCEDURES. ALSO REVIEWED WERE THE STATUS OF THE ALPHA SURVEY PROGRAM, THE CORRECTIVE ACTION REGARDING EVALUATION OF 40 MPC-HOUR EXPOSURE, AND THE STATUS OF FACIAL HAIR POLICY FOR NRC PERSONNEL. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTOR(S). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 23-27, (84-09): INCLUDED A REVIEW OF SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL PACKAGES; ACCESS CONTROL VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALARM STATIONS; COMMUNICATIONS; AND PREVIOUS ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 84 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 20 OF THE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS

INSPECTION SUMMARY

WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. SECURITY NONCOMPLIANCES NOTED IN THE PREVIOUS INSPECTION WERE CLOSED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: JUNE 4-8, 1984

INSPECTION REPORT NO: 84-08

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02	04/18/84	05/01/84	PROCEDURAL ERROR WITH EMERGENCY CORE COOLING SURVEILLANCE PROCEDURE.
84-03	04/07/84	05/07/84	FAILURE TO MAINTAIN FIRE WATCH.
84-04	04/09/84	05/09/84	AUX. FEED PUMP TURBINE FAILED TO TRIP.

1. Docket: 50-316 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	56,231.0
13. Hours Reactor Critical	.0	1,636.8	39,422.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,628.0	38,428.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	5,405,184	123,858,152
18. Gross Elec Ener (MWH)	0	1,793,180	40,019,610
19. Net Elec Ener (MWH)	0	1,731,606	38,584,959
20. Unit Service Factor	.0	44.6	71.3
21. Unit Avail Factor	.0	44.6	71.3
22. Unit Cap Factor (MDC Net)	.0	44.8	68.2
23. Unit Cap Factor (DER Net)	.0	43.2	66.9
24. Unit Forced Outage Rate	.0	1.9	13.4
25. Forced Outage Hours	.0	32.1	5,883.0

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

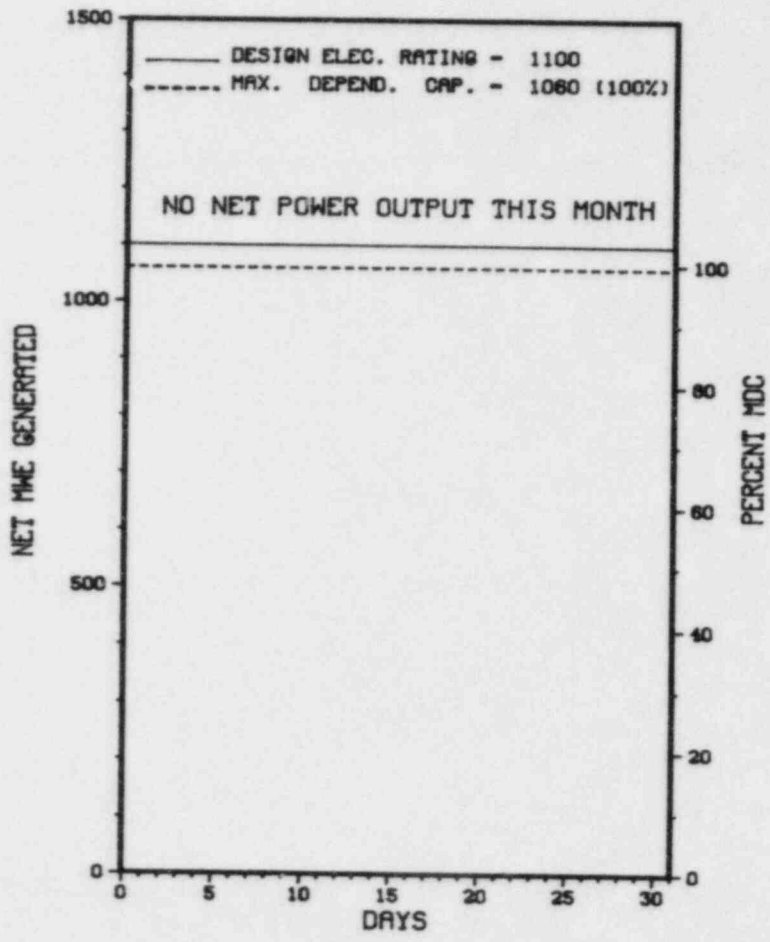
NONE

27. If Currently Shutdown Estimated Startup Date: 06/28/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



MAY 1984

Report Period MAY 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	744.0	B	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 840310 FOR SCHEDULED CYCLE IV-V REFUELING/MAINTENANCE OUTAGE. REFUELING ACTIVITIES HAVE BEEN COMPLETED AND PREPARATIONS FOR THE CONTAINMENT INTEGRATED LEAK RATE TEST ARE PRESENTLY IN PROGRESS.

SUMMARY

COOK 2 HAS COMPLETED REFUELING AND IS PRESENTLY COMPLETING A 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)

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

FACILITY DATA

Report Period MAY 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...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 MARCH 13, THROUGH APRIL 30, (84-06): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE SURVEILLANCE; LICENSEE EVENT REPORTS; TMI TASK ACTION ITEMS; PLANT NUCLEAR REVIEW COMMITTEE; REFUELING ACTIVITIES; AND MANAGEMENT MEETING - REGULATORY PERFORMANCE IMPROVEMENT PROGRAM (RPIP). THE INSPECTION INVOLVED A TOTAL OF 338 INSPECTOR-HOURS BY SEVEN NRC INSPECTORS INCLUDING 78 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN EACH OF THE REMAINING AREAS.

INSPECTION ON MARCH 27-30, APRIL 25-27, (84-07): REVIEW OF THE PROGRAM EXAMINATION PROCEDURES, PERSONNEL AND EQUIPMENT CERTIFICATIONS, OBSERVATION OF EXAMINATIONS, AND REVIEW OF DATA COLLECTED AND DOCUMENTATION FOR THE CURRENT INSERVICE INSPECTION ACTIVITIES. THIS INSPECTION INVOLVED A TOTAL OF 43 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON APRIL 17-20, (84-08): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE UNIT 2 REFUELING AND MAINTENANCE OUTAGE INCLUDING: AUDITS AND APPRAISALS, CHANGES, PLANNING AND PREPARATION, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATIONS, ALARA, AND PROCEDURES. ALSO REVIEWED WERE THE STATUS OF THE ALPHA SURVEY PROGRAM, THE CORRECTIVE ACTION REGARDING EVALUATION OF 40 MPC-HOUR EXPOSURE, AND THE STATUS OF FACIAL HAIR POLICY FOR NRC PERSONNEL. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTOR(S). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 23-27, (84-10): INCLUDED A REVIEW OF SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE;

INSPECTION SUMMARY

SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL PACKAGES; ACCESS CONTROL VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS - VITAL AREA; ALARM STATIONS; COMMUNICATIONS; AND PREVIOUS ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 84 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 20 OF THE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION. SECURITY NONCOMPLIANCES NOTED IN THE PREVIOUS INSPECTION WERE CLOSED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUT DOWN ON 3/10/84 TO BEGIN A 90 DAY REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MAY 29 - JULY 15, 1984

INSPECTION REPORT NO: 84-13

REPORTS FROM LICENSEE

COOK 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	03/31/84	04/30/84	CONTAINMENT TYPE B & C LEAK TESTS.
84-06	04/14/84	05/01/84	CONTAINMENT PURGE ISOLATION.
84-07	04/11/84	05/09/84	CONTAINMENT PURGE ISOLATION.
84-08	04/19/84	05/18/84	CONTAINMENT PURGE ISOLATION.
84-09/	04/10/84	05/18/84	IMPROPERLY ISOLATED CARDOX FIRE PROTECTION SYSTEM.
84-10	04/29/84	05/29/84	ESF VENTILATION ACTUATION.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-298 OPERATING STATUS

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: P. L. BALLINGER (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	3,647.0	86,952.0
13. Hours Reactor Critical	744.0	3,424.0	70,427.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,382.8	69,301.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,125,384	6,297,231	136,810,389
18. Gross Elec Ener (MWH)	364,510	2,103,381	43,509,736
19. Net Elec Ener (MWH)	348,876	2,014,430	41,931,089
20. Unit Service Factor	100.0	92.8	79.7
21. Unit Avail Factor	100.0	92.8	79.7
22. Unit Cap Factor (MDC Net)	61.4	72.3	63.1
23. Unit Cap Factor (DER Net)	60.3	71.0	62.0
24. Unit Forced Outage Rate	.0	2.4	3.7
25. Forced Outage Hours	.0	84.9	2,042.2

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

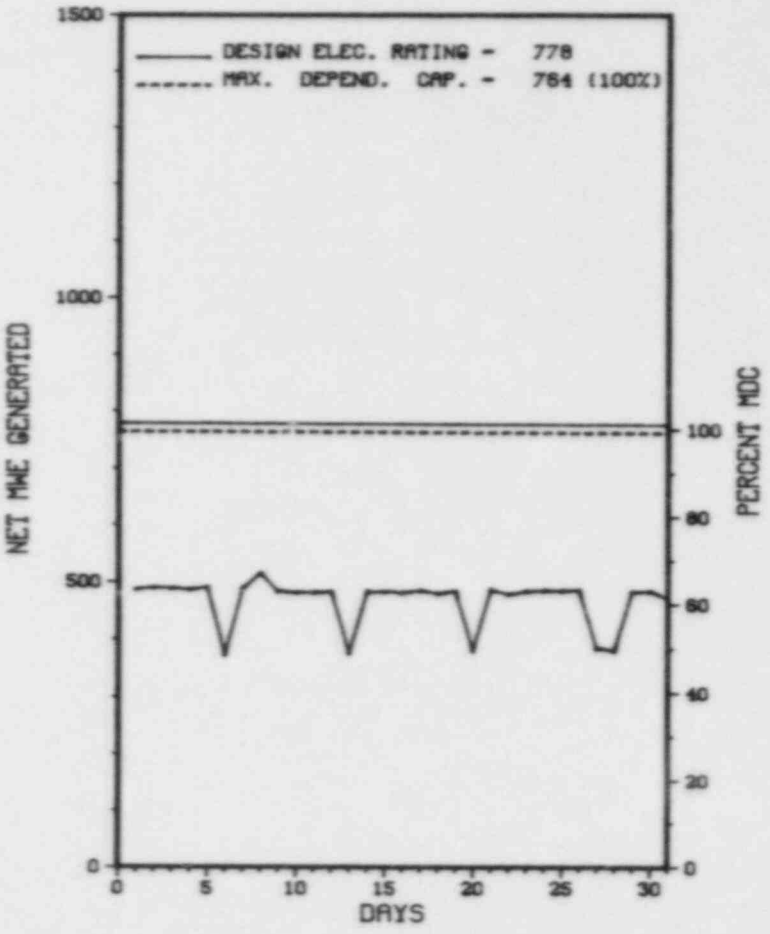
REFUELING & MAINTENANCE, 9/24/84, 7 MOS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



MAY 1984

Report Period MAY 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 DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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. SYSVESTER
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 MARCH 1-31,1984 (84-04): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, LICENSEE EVENT FOLLOWUP, AND INDEPENDENT INSPECTION EFFORT. ONE VIOLATION WAS IDENTIFIED (FAILURE TO ACCURATELY PERFORM A PART OF TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE TEST 6.2.4.1).

INSPECTION CONDUCTED APRIL 2-6, 1984 (84-06): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIOACTIVE WASTE(RADWASTE) SYSTEMS INCLUDING LIQUID AND GASEOUS EFFLUENT RELEASES, RECORDS AND REPORTS OF RADIOACTIVE EFFLUENTS, PROCEDURES FOR CONTROLLING EFFLUENT RELEASES, TESTING OF AIR CLEANING SYSTEMS, REACTOR COOLANT WATER QUALITY, SOLID RADWASTE PROGRAM, TRAINING OF RADWASTE OPERATIONS PERSONNEL, AND AUDITS PERFORMED BY THE LICENSEE. TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO BARRICADE ACCESS POINT TO A HIGH RADIATION AREA; FAILURE TO ISSUE A SPECIAL WORK PERMIT FOR WORK CONDUCTED IN A HIGH RADIATION AREA).

INSPECTION CONDUCTED APRIL 16-20, 1984 (84-07): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S TRANSPORTATION AND SOLID RADIOACTIVE (RADWASTE) ACTIVITIES INCLUDING: MANAGEMENT CONTROLS, TRAINING, AUDIT PROGRAM, QUALITY ASSURANCE (QA), PROCUREMENT AND SELECTION OF PACKAGES, PREPARATION OF PACKAGES FOR SHIPMENT, DELIVERY OF COMPLETED PACKAGES TO CARRIER, RECEIPT OF PACKAGES, PERIODIC MAINTENANCE OF PACKAGES, RECORDS AND REPORTS, AND 10 CFR PARTS 20 AND 61 REQUIREMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO ACCURATELY PERFORM, INTERPRET, AND REVIEW CNS TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE TEST 6.2.4.1 (8404 4)

A. HIGH RADIATION AREA CONTROL TECHNICAL SPECIFICATION 6.3.4.A REQUIRES THAT EACH HIGH RADIATION AREA (100 MREM/HR OR GREATER) SHALL BE BARRICADED AND CONSPICUOUSLY POSTED AS A HIGH RADIATION AREA AND ENTRANCE THERETO SHALL BE CONTROLLED BY REQUIRING NOTIFICATION AND PERMISSION OF THE SHIFT SUPERVISOR. CONTRARY TO THE ABOVE: 1. AN ACCESS POINT TO A HIGH RADIATION AREA IN THE RADIOACTIVE WASTE SOLIDIFICATION/PROCESSING AREA WAS NOT BARRICADED ON APRIL 4, 1984. 2. TWO STATION EMPLOYEES WORKING IN THE RADIOACTIVE WASTE SOLDIFICATION AREA ON APRIL 4, 1984, FAILED TO OBTAIN THE SHIFT SUPERVISOR'S PERMISSION FOR SEVERAL ENTRIES (APPROXIMATELY SEVEN) INTO HIGH RADIATION AREAS. B. RADIATION PROTECTION PROCEDURE COMPLIANCE TECHNICAL SPECIFICATION 6.3.4 REQUIRES THAT RADIATION CONTROL PROCEDURES TO BE MAINTAINED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20. STATION HEALTH PHYSICS, PROCEDURE 9.1.2.2, REQUIRES THAT PERSONNEL ENTRANCE INTO A HIGH RADIATION AREA SHALL REQUIRE A SPECIAL WORK PERMIT. ALSO, HEALTH PHYSICS PROCEDURE 9.1.1.4 REQUIRES THE ISSUANCE OF A SPECIAL WORK PERMIT FOR CONTROL OF ACCESS AND WORK IN A HIGH RADIATION AREA. CONTRARY TO THE ABOVE, ROUTINE WORK OPERATIONS WERE CONDUCTED ON APRIL 4, 1984, IN A HIGH RADIATION AREA IN THE RADIOACTIVE WASTE SOLIDIFICATION PROCESSING AREA, BY STATION PERSONNEL WITHOUT ISSUANCE OF A SPECIAL WORK PERMIT. (8406 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

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

INSPECTION REPORT NO: 50-298/8407

REPORTS FROM LICENSEE

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
L84-005	4/9/84	5/7/84	PRIMARY COOLANT PIPE WELD FAILURE
L84-006	4/18/84	5/15/84	OFF GAS STACK RELEASE NOT MONITORED
L84-007	4/19/84	5/18/84	INOPERABLE STANDBY GAS TREATMENT SYSTEM

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-302 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	63,287.0
13. Hours Reactor Critical	744.0	3,341.1	40,911.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,275.5
15. Hrs Generator On-Line	744.0	3,302.6	39,921.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,765,685	7,904,908	89,869,243
18. Gross Elec Ener (MWH)	605,474	2,742,081	30,668,817
19. Net Elec Ener (MWH)	576,770	2,614,083	29,131,166
20. Unit Service Factor	100.0	90.6	63.1
21. Unit Avail Factor	100.0	90.6	63.1
22. Unit Cap Factor (MDC Net)	94.4	87.3	56.1
23. Unit Cap Factor (DER Net)	94.0	86.9	55.8
24. Unit Forced Outage Rate	.0	2.2	22.6
25. Forced Outage Hours	.0	73.9	11,689.2

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

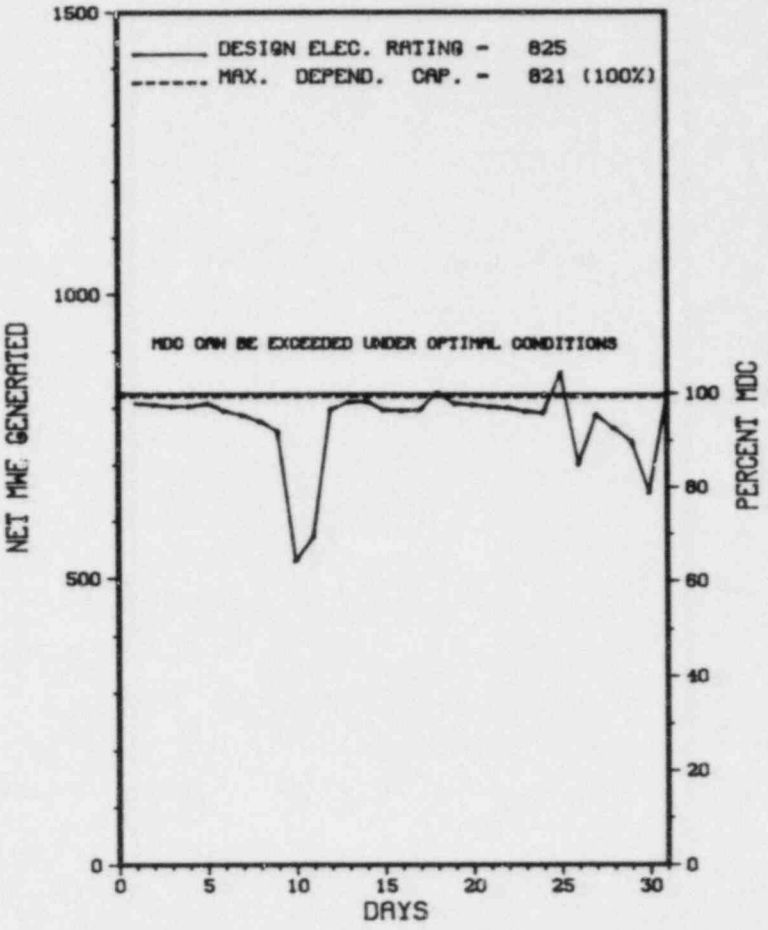
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

CRYSTAL RIVER 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-19	05/04/84	F	0.0	B	5		CH	INSTRU	REDUCED POWER TO CONTROL FEEDWATER OSCILLATIONS DURING CONTROL ROD PERFORMANCE TESTING.
84-20	05/07/84	F	0.0	B	5		CH	INSTRU	REDUCED POWER TO CONTROL FEEDWATER OSCILLATIONS DURING CONTROL ROD PEPFORMANCE TESTING.
84-21	05/09/84	S	0.0	B	5		HC	HTEXCH	REDUCED POWER TO CLEAN CONDENSER TUBES.
84-22	05/09/84	S	0.0	B	5		CD	IP'STRU	REDUCED POWER TO PERFORM MAIN STEAM THROTTLE VALVE TESTING.
84-23	05/29/84	S	0.0	B	5		HC	HTEXCH	REDUCED POWER TO CLEAN CONDENSER WATERBOXES.

SUMMARY

CRYSTAL RIVER 3 OPERATED WITH 5 REDUCTIONS AND NO OUTAGES DURING MAY.

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)

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

FACILITY DATA

Report Period MAY 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.....
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 MAY 31 - JUNE 1 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 89 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS AND PUMP AND VALVE TESTING. A VIOLATION WAS IDENTIFIED - THE LICENSEE DID NOT MAINTAIN THE PUMP AND VALVE SUMMARY STATUS LISTS OF TESTS REQUIRED BY THE APPLICABLE CODE IDENTIFIED IN THE TECHNICAL SPECIFICATION.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33. REGULATORY GUIDE 1.33, APPENDIX "A" STATES IN PART THAT PROCEDURES WILL BE REVIEWED AND APPROVED. CONTRARY TO THE ABOVE, EMERGENCY PLAN IMPLEMENTING PROCEDURE EM-307 WHICH WAS REVIEWED ON DECEMBER 19, 1983, AND APPROVED DECEMBER 30, 1983 CONFLICTED WITH OPERATING PROCEDURE OP-402, IN THAT CERTAIN VALVE ALIGNMENTS REQUIRED BY BOTH PROCEDURES WERE CONTRADICTORY. THIS RESULTED IN THE POST ACCIDENT SAMPLING SYSTEM BEING INOPERABLE WITH REGARDS TO RETURNING A SAMPLE TO CONTAINMENT IN ACCORDANCE WITH THE PROCEDURE. THIS IS A FAILURE TO PERFORM AN ADEQUATE REVIEW OF PROCEDURES.
(8407 4)

CONTRARY TO TECHNICAL SPECIFICATION 4.7.7.1.C.4 THE CONTROL ROOM EMERGENCY VENTILATION FLOW RATE WAS NOT MEASURED WHILE IN THE

ENFORCEMENT SUMMARY

EMERGENCY MODE. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.C, SURVEILLANCE PROCEDURE SP-317 WAS NOT ADHERED TO. CONTRARY TO 10CFR PART 50, APPENDIX B, CRITERION 12 AS IMPLEMENTED BY THE LICENSEE'S QUALITY PROGRAM SECTION 1.7.1.12, INSTRUMENTATION USED TO MEASURE TO MEASURE AND MONITOR A SAFETY RELATED SYSTEM WAS NOT CALIBRATED. (8409 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: MAY 31 - JUNE 1, 1984 +

INSPECTION REPORT NO: 50-302/84-14 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007/ - -	04/11/84	04/26/84	THE RECORDER CEASED TO FUNCTION. A PIN IN GEAR MECHANISM FOR CHART DRIVE WAS MISSING.

1. Docket: 50-346 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	51,168.0
13. Hours Reactor Critical	697.5	3,082.8	30,585.2
14. Rx Reserve Shtdwn Hrs	.0	134.8	4,014.1
15. Hrs Generator On-Line	693.9	3,046.1	29,197.9
16. Unit Reserve Shtdwn Hrs	.0	.0	1,732.7
17. Gross Therm Ener (MWH)	1,760,996	7,852,300	68,896,114
18. Gross Elec Ener (MWH)	576,183	2,584,199	22,876,392
19. Net Elec Ener (MWH)	543,727	2,433,290	21,431,989
20. Unit Service Factor	93.3	83.5	57.1
21. Unit Avail Factor	93.3	83.5	60.4
22. Unit Cap Factor (MDC Net)	83.6	76.3	47.9
23. Unit Cap Factor (DER Net)	80.7	73.6	46.2
24. Unit Forced Outage Rate	6.7	16.5	18.3
25. Forced Outage Hours	50.1	600.9	7,184.9

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

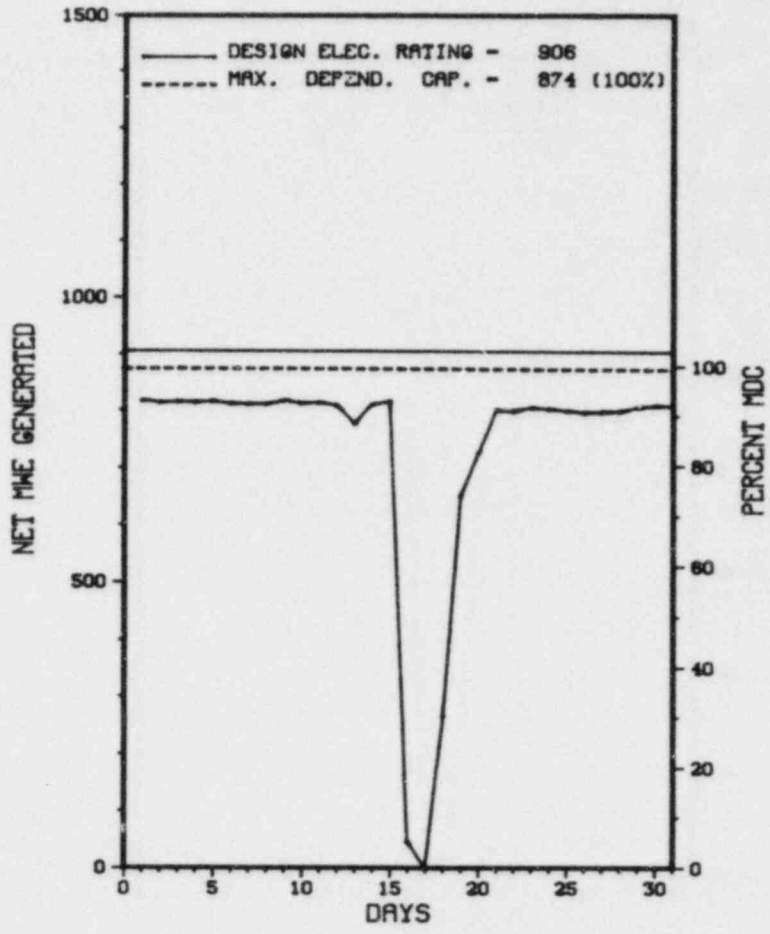
REFUELING OUTAGE: 9/1/84 THROUGH 11/9/84

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

DAVIS-BESSE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	05/15/84	F	50.1	A	1	84-06	CJ	VALVEX	A UNIT SHUTDOWN WAS INITIATED DUE TO REACTOR COOLANT SYSTEM LEAKAGE IN CONTAINMENT.

SUMMARY

DAVIS-BESSE OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE.

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

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

FACILITY DATA

Report Period MAY 1984

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 3-6 AND 9-13, (84-07): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS ON PREVIOUS INSPECTION FINDINGS; RECEIPT, STORAGE, AND CONTROL OF EQUIPMENT AND MATERIALS; LICENSEE EVENT REPORT REVIEW AND FOLLOWUP; AND 10 CFR 21 INSPECTION. THE INSPECTION INVOLVED 55 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FOUR AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF RECEIPT, STORAGE, AND CONTROL OF EQUIPMENT AND MATERIALS.

INSPECTION ON APRIL 16-19 AND MAY 1, (84-08): ROUTINE, ANNOUNCED INSPECTION OF THE OPERATIONAL STATUS OF NUREG-0737 ITEMS, INCLUDING ITEMS II.B.3. (REACTOR COOLANT AND CONTAINMENT ATMOSPHERE SAMPLERS), II.F.1.1. (NOBLE GAS EFFLUENT MONITOR), AND II.F.1.2. (IODINE AND PARTICULATE EFFLUENT SAMPLERS); TRAINING ADDRESSING AND ABOVE ITEMS PROVIDED TO CHEMISTRY AND HEALTH PHYSICS (C&HP) PERSONNEL; AND SELECTED I&E INFORMATION NOTICES AND OPEN ITEMS. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS ORE DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972. APPENDIX "A" OF REGULATORY GUIDE

ENFORCEMENT SUMMARY

1.33, NOVEMBER, 1972 LISTS UNDER SECTION 1, ADMINISTRATIVE PROCEDURES, ITEM H ENTITLED "LOG ENTRIES, RECORD RETENTION, AND REVIEW PROCEDURES." ADMINISTRATIVE PROCEDURE, AD 1838.02, "PERFORMANCE OF SURVEILLANCE AND PERIODIC TESTS," SECTION 4.2 STATES ONCE A MALFUNCTION HAS BEEN IDENTIFIED TO THE SHIFT SUPERVISOR..."THE TEST MAY BE SUSPENDED BY THE SHIFT SUPERVISOR UNTIL THE MALFUNCTIONS ARE CLEARED, OR IT MAY BE COMPLETED WITH THE TEST PERSONNEL MAKING THE ADJUSTMENT. THE SHIFT SUPERVISOR SHALL INDICATE THE SITUATION IN HIS LOG AND ON THE TEST DEFICIENCY LIST. IF THE SHIFT SUPERVISOR DETERMINES THAT THE DEFICIENCY IS MINOR AND DOES NOT AFFECT THE OPERABILITY OF EQUIPMENT, THE DEFICIENCY SHALL BE NOTED ON THE TEST DEFICIENCY LIST AND THE TEST CONTINUED TO COMPLETION." AD 1838.02 SECTION 6.12 STATES THAT AFTER THE SHIFT SUPERVISOR REVIEWS THE TEST RESULTS, HE SHALL SIGN THE DATA COVER SHEET INDICATING TECHNICAL SPECIFICATIONS REQUIREMENTS HAVE BEEN MET.... "AT THIS POINT UNRESOLVED TEST DEFICIENCIES MAY EXIST AS LONG AS THEY DO NOT AFFECT TECHNICAL SPECIFICATION REQUIREMENTS OR EQUIPMENT OPERABILITY." AD 1838.02 SECTION 5 AND ENCLOSURE 1 REQUIRES TEST COMPLETION BEFORE SUBMITTAL TO THE SHIFT SUPERVISOR FOR REVIEW. CONTRARY TO THE ABOVE, ON FEBRUARY 6, 1984 DURING THE PERFORMANCE OF ST 5031.01, THE SHIFT SUPERVISOR ENCOUNTERED A DEFICIENCY AFFECTING EQUIPMENT OPERABILITY (THE SAFETY FEATURES ACTUATION SEQUENCE) BUT DID NOT SUSPEND THE TEST OR MAKE ADJUSTMENTS ALLOWING THE TEST TO CONTINUE; ST 5031.01 WAS SUBMITTED TO THE SHIFT SUPERVISOR PRIOR TO TEST COMPLETION (THE ACCEPTANCE CRITERIA HAD NOT BEEN SIGNED BY THE DESIGNATED REVIEWER); AND THE SHIFT SUPERVISOR SIGNED THE DATA COVER SHEET WITH AN UNRESOLVED TEST DEFICIENCY THAT AFFECTED OUTSTANDING TECHNICAL SPECIFICATION REQUIREMENTS. 10 CFR 50, APPENDIX B, CRITERION V STATES IN PART: "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS..." CONTRARY TO THE ABOVE, ON FEBRUARY 9, 1984 INSTRUMENT AND CONTROL TECHNICIANS WERE USING AN UNCONTROLLED DRAWING IN THE REPAIR OF CORE FLOOD TANK LEVEL INDICATOR 3A1. 10 CFR 50 APPENDIX B CRITERION III STATES IN PART: "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS, AS DEFINED IN 10 CFR 50.2 AND AS SPECIFIED IN THE LICENSE APPLICATION, FOR THOSE STRUCTURES, SYSTEMS AND COMPONENTS TO WHICH THIS APPENDIX APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS." CONTRARY TO THE ABOVE, THE ORIGINAL INSTALLATION OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM WAS NOT PROPERLY TRANSLATED INTO DRAWING M-027A. DRAWING M-027A IS FIGURE 9.4-1 IN THE USAR AND FSAR. SPECIFICALLY, THE DUCTWORK ASSOCIATED WITH ISOLATION DAMPERS HV-5301 F AND HV-5311 F IS SHOWN GOING TO THE TURBINE BUILDING LAVATORY WHEN THIS DUCTWORK REALLY GOES TO THE CONTROL ROOM LAVATORY. ALSO, THE DUCTWORK ASSOCIATED WITH ISOLATION DAMPERS HV-5301 G AND HV-5311 G IS SHOWN GOING TO THE CONTROL ROOM LAVATORY WHEN THIS DUCTWORK REALLY GOES TO THE TURBINE BUILDING LAVATORY. 10 CFR 50 APPENDIX B CRITERION VI STATES IN PART: "MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF...PROCEDURES...INCLUDING CHANGES THERETO, WHICH PRESCRIBE ALL ACTIVITIES AFFECTING QUALITY. THESE MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE REVIEWED FOR ADEQUACY..." CONTRARY TO THE ABOVE, INADEQUATE REVIEW OF CHANGES TO PROCEDURES AD 1838.03, OPERATION AND CONTROL OF CAPPED VALVES, AND MP 1503.04, FUEL TRANSFER TUBE COVER PLATE REMOVAL AND REPLACEMENT, RESULTED IN DRAIN VALVES SF 68 AND SF 69 BEING LEFT OPEN AND THEIR LINES UNCAPPED POTENTIALLY JEOPARDIZING CONTAINMENT INTEGRITY. TECHNICAL SPECIFICATION 6.5.1.6.E STATES: THE STATION REVIEW BOARD SHALL BE RESPONSIBLE FOR INVESTIGATION OF ALL VIOLATIONS OF THE TECHNICAL SPECIFICATIONS INCLUDING PREPARATION AND FORWARDING OF REPORTS COVERING EVALUATION AND RECOMMENDATIONS TO PREVENT RECURRENCE TO THE VICE-PRESIDENT-NUCLEAR AND TO THE COMPANY NUCLEAR REVIEW BOARD. CONTRARY TO THE ABOVE, COMPLETED AUDIT FINDING REPORTS 1051-1, 977-2, 959-7, 959-8, 1001-1, 1001-4, 1001-5, 1001-6, 1072-1, 842-1, 906-1, 1069-1 AND 1069-2 WERE NOT REVIEWED BY THE STATION REVIEW BOARD. THIS IS A REPEAT ITEM OF NONCOMPLIANCE.
(8401 4)

10 CFR 50, APPENDIX B, CRITERION XVII STATES, IN PART: "SUFFICIENT RECORDS SHALL BE MAINTAINED TO FURNISH EVIDENCE OF ACTIVITIES AFFECTING QUALITY. THE RECORDS SHALL INCLUDE AT LEAST THE FOLLOWING:...THE RESULTS OF INSPECTIONS.... RECORDS SHALL BE IDENTIFIABLE AND RETRIEVABLE.... THE TOLEDO EDISON COMPANY (TEDCO) NUCLEAR QUALITY ASSURANCE MANUAL, CRITERION 7, PARAGRAPH 7.2.3, STATES: "SOURCE VERIFICATION, SUPPLIER-FURNISHED DOCUMENTATION SUCH AS CMTRS AND CODE DATA FORMS, AND POST-INSTALLATION TESTING AS DESCRIBED IN ANSI N45.2.2 AS ENDORSED BY NRC REGULATORY GUIDE 1.38 MAY BE USED BY QUALITY ENGINEERING TO SUPPLEMENT THE RECEIPT INSPECTION OF MATERIALS AND ITEMS. SUPPLIER-FURNISHED DOCUMENTATION SHALL BE ACCEPTED BY QUALITY ENGINEERING PRIOR TO ACCEPTANCE OF THE MATERIAL. CMTRS SHALL BE REVIEWED FOR COMPLIANCE WITH ASME SECTIONS II AND III." CONTRARY TO THE ABOVE REQUIREMENTS, WELD FILLER MATERIALS WHICH HAD BEEN RETURNED TO TEDCO BY ITT GRINNELL (A FORMER TEDCO CONTRACTOR) WERE IN STOCK IN THE WAREHOUSE IDENTIFIED BY A GREEN "Q-ACCEPT" TAG SIGNIFYING A RECENT ACCEPTABLE RECEIPT INSPECTION. HOWEVER, THERE WAS NEITHER A PURCHASE ORDER NOR AN ACCEPTABLE RECEIPT INSPECTION CHECKLIST ON FILE WITH RECORDS MANAGEMENT. THERE WAS NO EVIDENCE THAT THE CERTIFIED MATERIAL TEST REPORT FROM THE MANUFACTURER HAD BEEN ACCEPTED BY TEDCO QUALITY ENGINEERING PRIOR TO ACCEPTANCE OF THE MATERIAL.
(8407 5)

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.

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

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-04	03/21/84	04/27/84	FIRE DOORS NOT CONFORMING TO NFPA 80, "CODE FOR FIRE DOORS".

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-237 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	123,167.0
13. Hours Reactor Critical	744.0	3,647.0	95,872.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,625.1	91,526.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,828,880	8,673,686	185,411,282
18. Gross Elec Ener (MWH)	591,669	2,827,193	59,330,360
19. Net Elec Ener (MWH)	560,443	2,688,779	56,086,223
20. Unit Service Factor	100.0	99.4	74.3
21. Unit Avail Factor	100.0	99.4	74.3
22. Unit Cap Factor (MDC Net)	97.6	95.5	59.0
23. Unit Cap Factor (DER Net)	94.9	92.9	57.4
24. Unit Forced Outage Rate	.0	.6	11.5
25. Forced Outage Hours	.0	21.9	4,442.1

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

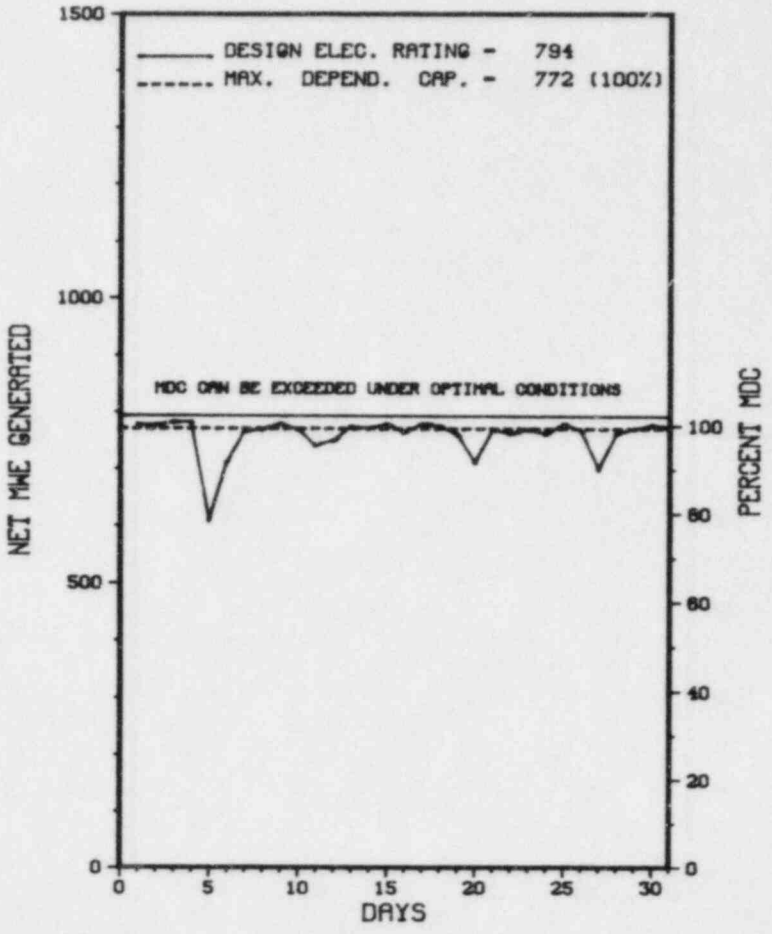
SNUBBER INSPEC: 06/16/84; REFUELING: 09/03/84

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



MAY 1984

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

DRESDEN 2 OPERATED AT FULL POWER 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)

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

FACILITY DATA

Report Period MAY 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

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V AS IMPLEMENTED BY CE-1-A, COMMONWEALTH EDISON COMPANY, TOPICAL REPORT, QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS AND THE QUALITY ASSURANCE MANUAL, QUALITY PROCEDURE 5-51 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, ON FEBRUARY 29, 1984, THE RESIDENT INSPECTORS OBSERVED NUMEROUS EXAMPLES OF FAILURE TO FOLLOW PROCEDURES OR LACK OF ADEQUATE PROCEDURES TO PROTECT SAFETY RELATED EQUIPMENT FROM POSSIBLE MISSILE DAMAGE. SIXTEEN COMPRESSED GAS CYLINDERS WERE NOTED TO BE IMPROPERLY RESTRAINED. THESE CYLINDERS WERE LOCATED IN BOTH UNIT 2 AND UNIT 3 THROUGHOUT THE PLANT.
(8403 4)

THE LICENSEE FAILED TO ADEQUATELY CONTROL ACCESS TO A PROTECTED AREA AND FAILED TO ADEQUATELY IMPLEMENT A COMPENSATORY MEASURE. THE LICENSEE FAILED TO REPORT TO THE NRC A SECURITY EVENT IN A TIMELY MANNER.
(8404 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

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

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 05/01/84 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	3,647.0	112,752.0
13. Hours Reactor Critical	.0	326.1	83,161.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	79,862.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	159,963,004
18. Gross Elec Ener (MWH)	0	0	51,952,909
19. Net Elec Ener (MWH)	-6,445	-22,401	49,208,182
20. Unit Service Factor	.0	.0	70.8
21. Unit Avail Factor	.0	.0	70.8
22. Unit Cap Factor (MDC Net)	.0	.0	56.5
23. Unit Cap Factor (DER Net)	.0	.0	55.0
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,Data,Duration):

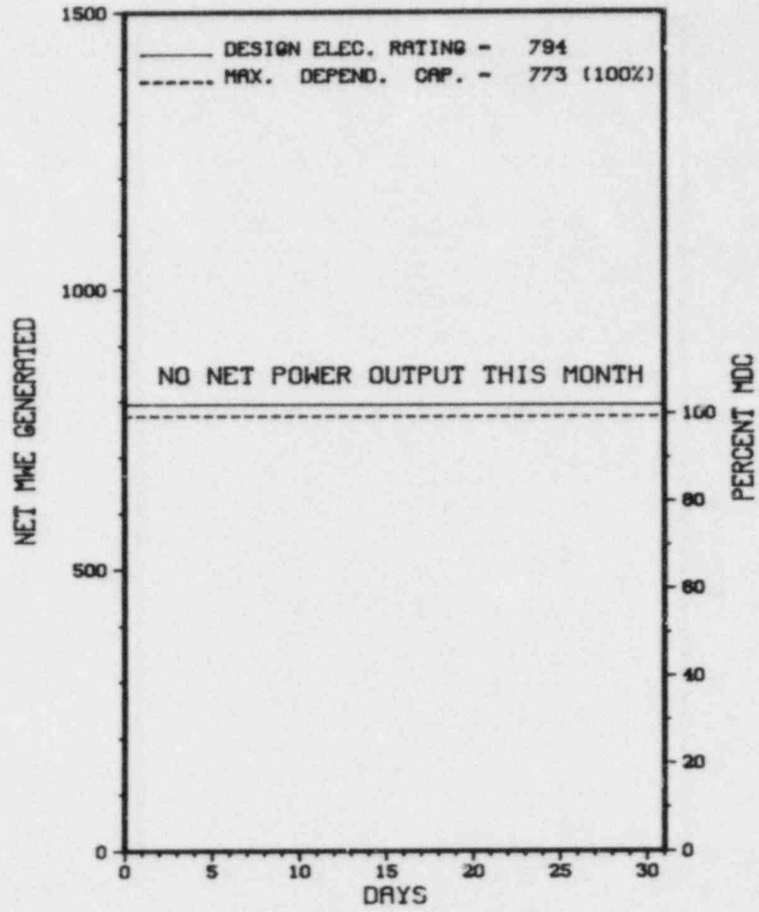
NONE

27. If Currently Shutdown Estimated Startup Date: 07/24/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



MAY 1984

Report Period MAY 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	744.0	A	4				MAIN TURBINE REPAIR CONTINUES.

SUMMARY

DRESDEN 3 REMAINS SHUTDOWN IN A CONTINUING MAIN TURBINE 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)

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

FACILITY DATA

Report Period MAY 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, 1971

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V AS IMPLEMENTED BY CE-1-A, COMMONWEALTH EDISON COMPANY, TOPICAL REPORT, QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS AND THE QUALITY ASSURANCE MANUAL, QUALITY PROCEDURE 5-51 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, ON FEBRUARY 29, 1984, THE RESIDENT INSPECTORS OBSERVED NUMEROUS EXAMPLES OF FAILURE TO FOLLOW PROCEDURES OR LACK OF ADEQUATE PROCEDURES TO PROTECT SAFETY RELATED EQUIPMENT FROM POSSIBLE MISSILE DAMAGE. SIXTEEN COMPRESSED GAS CYLINDERS WERE NOTED TO BE IMPROPERLY RESTRAINED. THESE CYLINDERS WERE LOCATED IN BOTH UNIT 2 AND UNIT 3 THROUGHOUT THE PLANT. 10 CFR 50, APPENDIX B, CRITERION V AS IMPLEMENTED BY CE-1-A, COMMONWEALTH EDISON COMPANY, TOPICAL REPORT, QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS AND THE QUALITY ASSURANCE MANUAL, QUALITY PROCEDURE 5-51 REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE RADIATION CONTROL STANDARD PROHIBITING EATING, SMOKING, DRINKING, CHEWING, ETC. IN CONTROLLED AREAS WAS NOT FOLLOWED. THIS WAS EVIDENCED BY THE RESIDENT INSPECTORS ON FEBRUARY 29, 1984, WHEN THEY OBSERVED A NUMBER OF CIGARETTE BUTTS AND A CANDY WRAPPER SCATTERED ON THE FLOOR OF THE UNIT 3 REACTOR BUILDING (A CONTROLLED AREA). A BUCKET WITH AT LEAST EIGHT CIGARETTE BUTTS AND A GUM WRAPPER WAS ALSO OBSERVED IN THE SAME AREA.

ENFORCEMENT SUMMARY

(8402 4)

THE LICENSEE FAILED TO ADEQUATELY CONTROL ACCESS TO A PROTECTED AREA AND FAILED TO ADEQUATELY IMPLEMENT A COMPENSATORY MEASURE.
THE LICENSEE FAILED TO REPORT TO THE NRC A SECURITY EVENT IN A TIMELY MANNER.
(8403 3)

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.

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

INSPECTION REPORT NO: 84-09

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	04/05/84	04/26/84	BREAKING PRIMARY CONTAINMENT.
84-04	04/25/84	05/22/84	REACTOR SCRAM.

1. Docket: 50-331 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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

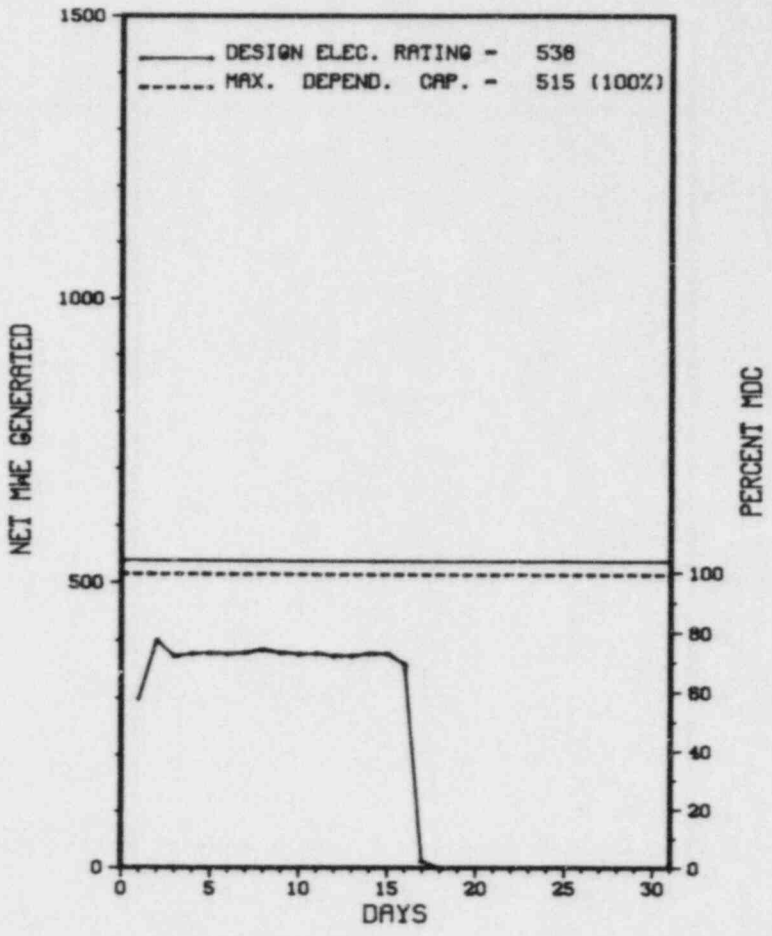
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	81,791.0
13. Hours Reactor Critical	390.2	2,732.6	58,667.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	388.8	2,689.0	57,131.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	451,809	3,975,369	71,723,931
18. Gross Elec Ener (MWH)	153,525	1,352,150	24,046,207
19. Net Elec Ener (MWH)	143,669	1,275,134	22,511,504
20. Unit Service Factor	52.3	73.7	69.9
21. Unit Avail Factor	52.3	73.7	69.9
22. Unit Cap Factor (MDC Net)	37.5	67.9	53.4
23. Unit Cap Factor (DER Net)	35.9	65.0	51.2
24. Unit Forced Outage Rate	.0	18.3	17.3
25. Forced Outage Hours	.0	602.8	11,937.1

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 06/15/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

DUANE ARNOLD

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	05/17/84	S	355.2	B	1	84-016			"C" INBOARD MSIV PISTON/MAIN DISC SEPARATION. VALVE REPARIED.

SUMMARY

DUANE ARNOLD OPERATED ROUTINELY, SHUTTING DOWN ON MAY 17TH FOR A 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)

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

FACILITY DATA

Report Period MAY 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 9-13, (84-05): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; ACTIVATION OF THE DAEC EMERGENCY PLAN; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION MAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES; DOSE CALCULATION AND ASSESSMENT; PUBLIC INFORMATION PROGRAM; LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 167 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. OF THE TWELVE AREAS INSPECTED, ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO TRAIN TWO OPERATIONS SHIFT SUPERVISORS IN EMERGENCY PREPAREDNESS).

INSPECTION ON MAY 7-10, (84-06): INCLUDED A REVIEW OF SECURITY ORGANIZATION - PERSONNEL; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - VEHICLES; COMMUNICATIONS; GUARD FORCE TRAINING AND QUALIFICATION PLAN; SAFEGUARDS INFORMATION; AND LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 34 INSPECTOR -HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. CORRECTIVE ACTIONS FOR VIOLATIONS AND AREAS OF CONCERN IDENTIFIED IN THE PREVIOUS INSPECTION (50-331/83-19) APPEARED ADEQUATE TO PREVENT RECURRENCE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT SHUT DOWN ON 5/17/84 TO INVESTIGATE AND REPAIR THE 'C' INBOARD MAIN STEAM ISOLATION VALVE.

LAST IE SITE INSPECTION DATE: JUNE 1- JULY 25, 1984

INSPECTION REPORT NO: 84-08

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
84-06	01/26/84	05/15/84	H & V DAMPER ACTUATORS DOCUMENTATION DEFICIENCIES.
84-13	04/13/84	05/11/84	SHUTDOWN DUE TO INCREASED UNIDENTIFIED DRYWELL LEAKAGE.
84-14	04/16/84	05/16/84	UNPLANNED RWCU ISOLATION.
84-15	04/30/84	05/30/84	REACTOR SCRAM ON IRM'S UPSCALE.
84-17	05/04/84	06/03/84	UNPLANNED HPCI AUTO-INITIATION.

1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DENNIS HERRIN (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): 845

8. Maximum Dependable Capacity (Net MWe): 804

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

NONE

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	3,647.0	56,975.0
13. Hours Reactor Critical	744.0	1,868.8	36,992.0
14. Rx Reserve Shtdwn Hrs	.0	.0	3,650.7
15. Hrs Generator On-Line	744.0	1,784.0	35,887.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,807,741	4,292,583	90,394,107
18. Gross Elec Ener (MWH)	587,158	1,373,922	28,615,786
19. Net Elec Ener (MWH)	556,294	1,277,692	26,978,754
20. Unit Service Factor	100.0	48.9	63.0
21. Unit Avail Factor	100.0	48.9	63.0
22. Unit Cap Factor (MDC Net)	93.0	43.6	59.6*
23. Unit Cap Factor (DER Net)	90.2	42.3	57.1
24. Unit Forced Outage Rate	.0	4.3	14.9
25. Forced Outage Hours	.0	79.5	6,246.0

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

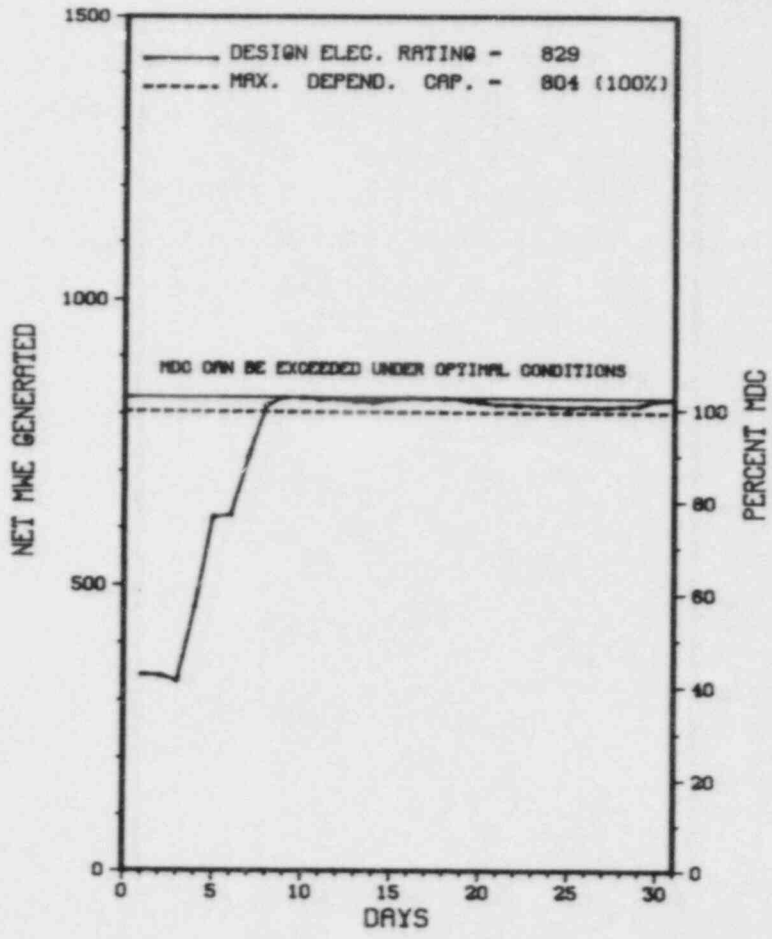
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 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 WITH NO REPORTED REDUCTIONS OR OUTAGES DURING MAY.

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)

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

FACILITY DATA

Report Period MAY 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 APRIL 16-18 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF FEEDWATER REDUCER REPLACEMENT (UNIT 1), INSPECTOR FOLLOWUP ITEMS (UNIT 1), AND IE BULLETINS (UNIT 1 AND 2). OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; ONE APPARENT VIOLATION WAS FOUND ONE AREA (VIOLATION-FAILURE TO ACCOMPLISH SPECIAL PROCESSES IN ACCORDANCE WITH APPLICABLE CRITERIA).

INSPECTION APRIL 23-27 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREA OF POST-REFUELING, STARTUP TESTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 30 - MAY 3 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID WASTE SYSTEMS, RADIOLOGICAL EFFLUENT ACCOUNTABILITY, AND REACTOR COOLANT AND SECONDARY WATER REQUIREMENTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 30 - MAY 4 (84-14): THIS ROUTINE INSPECTION ENTAILED 19 INSPECTOR-HOURS (FOUR INSPECTOR HOURS ON BACKSHIFTS) ON SITE IN THE AREAS OF RESPIRATORY PROTECTION, RADIOACTIVE WASTE AND TRANSPORTATION, POSTING AND LABELING INTERNAL AUDITS AND INSPECTOR FOLLOW-UP ITEMS. ONE VIOLATION WAS IDENTIFIED - IMPROPER USE OF RESPIRATOR PROTECTION FACTORS.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APPENDIX B, CRITERION IX, SPECIAL PROCESSES (WELDING AND NDE OF REPLACEMENT FEEDWATER REDUCERS) WAS NOT CONTROLLED AND ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE CRITERIA IN THAT: (1) PT INSPECTION OF PWHT T/C REMOVAL AREAS WAS NOT DOCUMENTED AS REQUIRED BY PARAGRAPH 11.1 OF NES PROC. 80A6456. (2) WELD HISTORY RECORDS FOR WELDS A1, B1, AND B2 DID NOT DOCUMENT THE WPS USED FOR REPAIR WELDING AS REQUIRED BY PARAGRAPH 7 OF NNI PROC. SI-QA-6. (3) A PT EXAMINER WHO HAD PERFORMED INSPECTIONS HAD NOT REQUALIFIED/CERTIFIED WITHIN THE 3 YEAR LIMIT REQUIRED BY PARAGRAPH 10 OF NES PROC. 80A9068. (8411 5)

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 OPERATIONS.

LAST IE SITE INSPECTION DATE: APRIL 30 - MAY 4, 1984 +

INSPECTION REPORT NO: 50-348/84-14 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-010/ - -	04/06/84	05/04/84	ADEQUATE LOCAL LEAK RATE TESTING NOT PERFORMED, CAUSED BY THE USE OF AN IMPROPER TEST CONNECTION DUE TO PROCEDURAL INADEQUACY.

1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DENNIS HERRIN (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): 855

8. Maximum Dependable Capacity (Net MWe): 814

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

NONE

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	3,647.0	24,888.0
13. Hours Reactor Critical	744.0	3,600.0	22,136.8
14. Rx Reserve Shtdwn Hrs	.0	.0	138.4
15. Hrs Generator On-Line	744.0	3,551.7	21,850.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,950,480	9,249,066	56,159,758
18. Gross Elec Ener (MWH)	628,538	3,012,880	17,999,728
19. Net Elec Ener (MWH)	598,816	2,867,560	17,067,586
20. Unit Service Factor	100.0	97.4	87.8
21. Unit Avail Factor	100.0	97.4	87.8
22. Unit Cap Factor (MDC Net)	98.9	96.6	84.2
23. Unit Cap Factor (DER Net)	97.1	94.8	82.7
24. Unit Forced Outage Rate	.0	2.6	4.9
25. Forced Outage Hours	.0	95.3	1,127.1

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

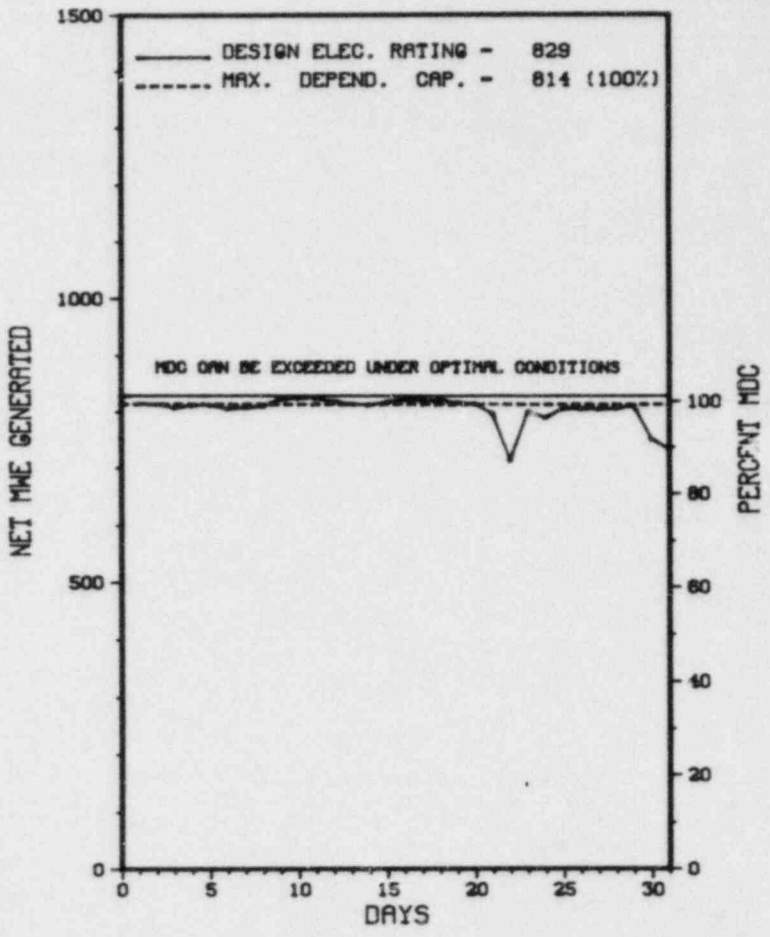
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



MAY 1984

Report Period MAY 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 OR NEAR FULL POWER 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)

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

FACILITY DATA

Report Period MAY 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...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 APRIL 16-18 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREA OF IE BULLETINS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 23-27 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREA OF POST-REFUELING, STARTUP TESTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 30 - MAY 3 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR -HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID WASTE SYSTEMS, RADIOLOGICAL EFFLUENT ACCOUNTABILITY, AND REACTOR COOLANT AND SECONDARY WATER REQUIREMENTS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION APRIL 30 - MAY 4 (84-14): THIS ROUTINE INSPECTION ENTAILED 19 INSPECTOR-HOURS (FOUR INSPECTOR HOURS ON BACKSHIFTS) ON SITE IN THE AREAS OF RESPIRATORY PROTECTION, RADIOACTIVE WASTE AND TRANSPORTATION, POSTING AND LABELING INTERNAL AUDITS AND INSPECTOR FOLLOW-UP ITEMS. ONE VIOLATION WAS IDENTIFIED - IMPROPER USE OF RESPIRATOR PROTECTION FACTORS.

ENFORCEMENT SUMMARY

NONE

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: APRIL 30 - MAY 4, 1984 +

INSPECTION REPORT NO: 50-364/84-14 +

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
84-005/ - -	04/09/84	05/04/84	REACTOR TRIPPED DUE TO LO LEVEL IN 2A STEAM GENERATOR, CAUSED BY OPERATOR ERROR.

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

2. Reporting Period: 05/01/84 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 = 88

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	3,647.0	77,544.0
13. Hours Reactor Critical	744.0	3,337.3	55,866.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,264.6	54,464.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,806,000	7,557,672	115,294,258
18. Gross Elec Ener (MWH)	610,160	2,538,630	39,195,950
19. Net Elec Ener (MWH)	590,970	2,457,105	37,955,745
20. Unit Service Factor	100.0	89.5	70.2
21. Unit Avail Factor	100.0	89.5	70.2
22. Unit Cap Factor (MDC Net)	98.1	83.2	63.9*
23. Unit Cap Factor (DER Net)	96.7	82.1	59.6
24. Unit Forced Outage Rate	.0	3.1	14.0
25. Forced Outage Hours	.0	103.4	8,986.6

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

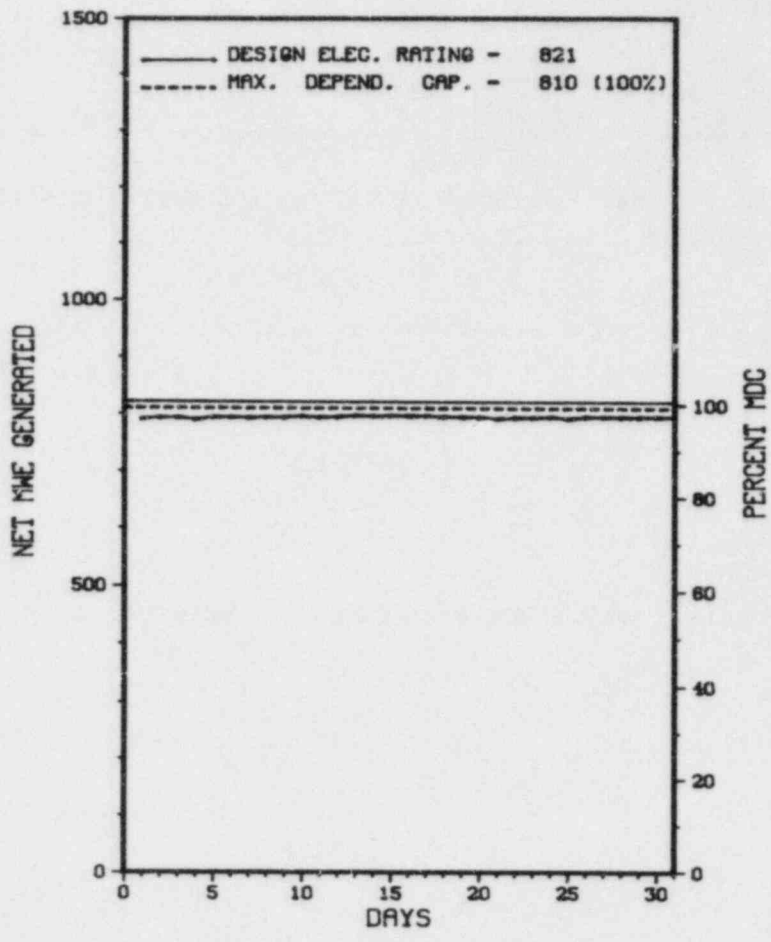
06/22/84-PHOTO DRYWELL & STEAM TUNNEL SUPPORTS

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* FITZPATRICK *
****

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

****
* SUMMARY *
****

THE FITZPATRICK PLANT OPERATED AT NEAR FULL POWER FOR THIS ENTIRE REPORTING 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)

****
* FITZPATRICK *
****

FACILITY DATA

Report Period MAY 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

CONTRARY TO TECHNICAL SPECIFICATION 6.9.A.4.2.B, THE LICENSEE FAILED TO SUBMIT A LICENSEE EVENT REPORT AFTER DISCOVERING THAT SAFETY RELATED SNUBBER NO. H10-475 WAS INOPERABLE BECAUSE IT'S BASE PLATE HAD BEEN PULLED AWAY FROM THE WALL. (8327 4)

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: 50-285 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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): 461
8. Maximum Dependable Capacity (Net MWe): 438
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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	3,647.0	93,648.0
13. Hours Reactor Critical	.0	1,490.2	72,104.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	.0	1,489.5	70,842.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	2,152,797	88,912,511
18. Gross Elec Ener (MWH)	0	690,258	29,319,682
19. Net Elec Ener (MWH)	0	656,538	27,736,398
20. Unit Service Factor	.0	40.8	75.6
21. Unit Avail Factor	.0	40.8	75.6
22. Unit Cap Factor (MDC Net)	.0	41.1	64.6*
23. Unit Cap Factor (DER Net)	.0	37.7	62.0
24. Unit Forced Outage Rate	.0	.0	3.5
25. Forced Outage Hours	.0	.0	1,39[illegible].4

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

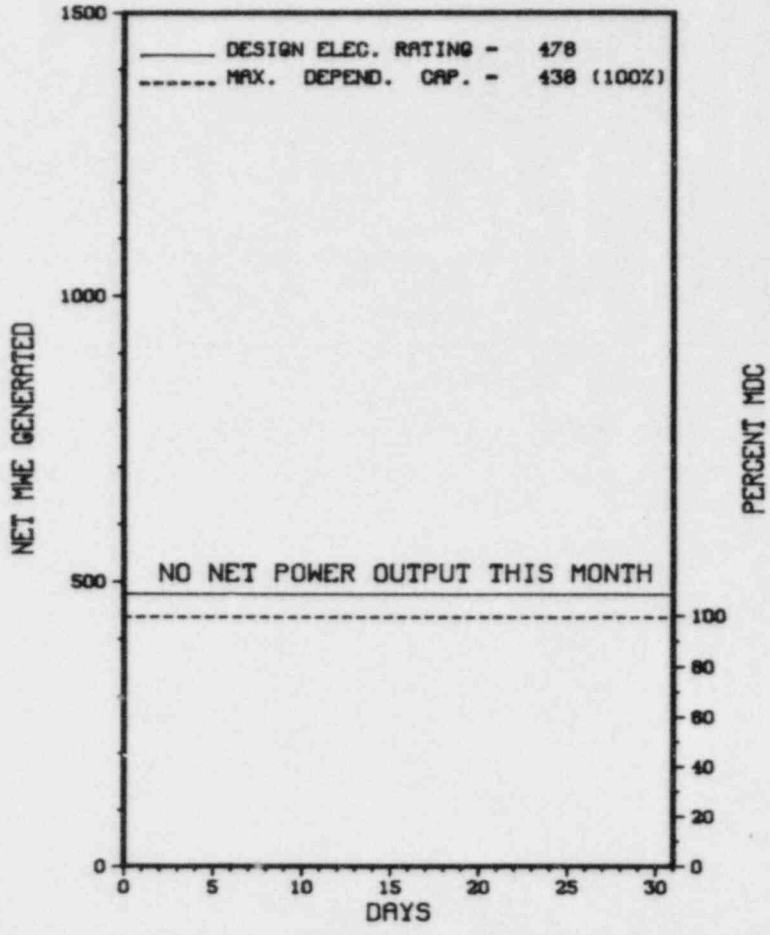
NONE

27. If Currently Shutdown Estimated Startup Date: 06/24/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 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	744.0	C	4		XX	XXXXXX	1984 REFUELING OUTAGE CONTINUES.

SUMMARY

FORT CALHOUN 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)

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

FACILITY DATA

Report Period MAY 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 MARCH 5-9, 1984 (84-05): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, DETECTION AIDS - PROTECTED AREA (PA), DETECTION AIDS - VITAL AREA (VA), AND COMMUNICATIONS. WITHIN THE 5 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 27-30, 1984 (84-06): ROUTINE, UNANNOUNCED INSPECTION OF SELECTED PORTIONS OF THE FORT CALHOUN STATION EMERGENCY RESPONSE PROGRAM. WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION CONDUCTED MARCH 26-30, 1984 (84-08): ROUTINE UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM DURING A REFUELING OUTAGE WHICH INCLUDED: ADVANCED PLANNING, TRAINING, EXTERNAL AND INTERNAL EXPOSURE CONTROL, POSTING AND CONTROL, SURVEYS, RADIOACTIVE AND CONTAMINATED MATERIAL CONTROL, AND ALARA PROGRAMS. WITHIN THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 1-30, 1984 (84-11): ROUTINE ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, OUTAGE ACTIVITIES, AND FOLLOWUP OF LICENSEE EVENT REPORTS. WITHIN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ON MAY 16, 1984, A TUBE FAILURE WAS EXPERIENCED IN STEAM GENERATOR RC-2B.

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

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF TECHNICAL SPECIFICATION 5.8.1, THE LICENSEE FAILED TO TERMINATE A CONTAINMENT PURGE WHEN THE OBSERVED X/Q READING WAS GREATER THAN THE LIMITING X/Q FOR THE ESTABLISHED FLOW RATE. (8407 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE

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

INSPECTION REPORT NO: 50-285/84-11

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 05/01/84 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 B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	43,128.0
13. Hours Reactor Critical	327.6	795.6	26,622.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	446.6	18,250.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	7,584	248,403	9,618,155
18. Gross Elec Ener (MWH)	0	77,412	3,230,862
19. Net Elec Ener (MWH)	-3,660	61,264	2,932,794
20. Unit Service Factor	.0	12.2	42.3
21. Unit Avail Factor	.0	12.2	42.3
22. Unit Cap Factor (MDC Net)	.0	5.1	20.6
23. Unit Cap Factor (DER Net)	.0	5.1	20.6
24. Unit Forced Outage Rate	.0	1.5	39.0
25. Forced Outage Hours	.0	6.9	11,683.9

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

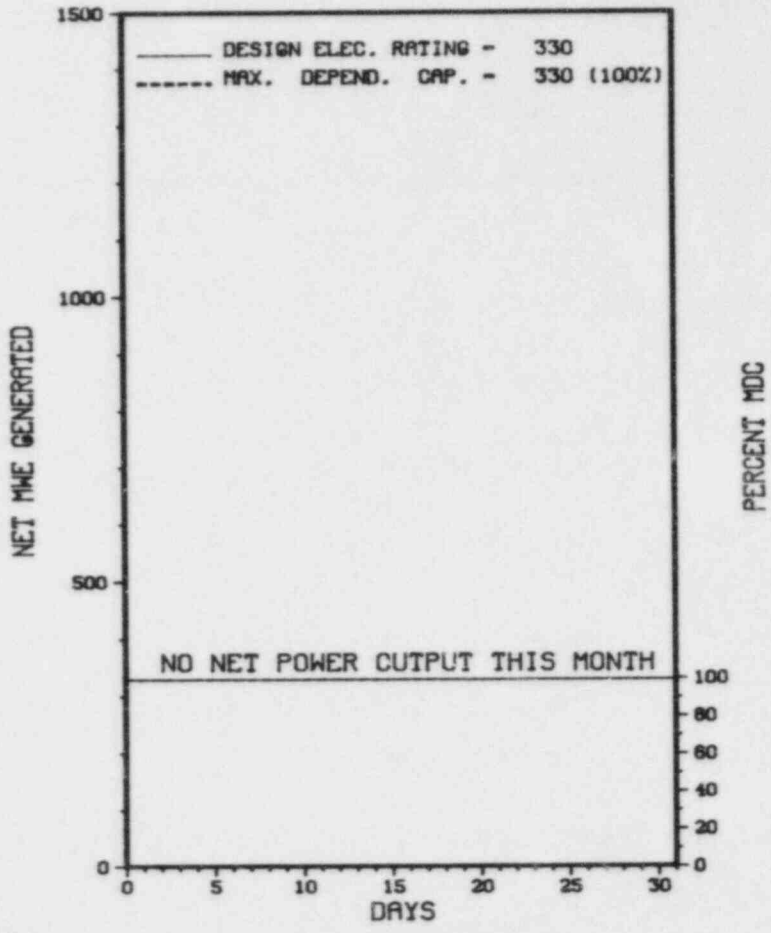
NONE

27. If Currently Shutdown Estimated Startup Date: 06/13/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

FORT ST VRAIN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-002	01/19/84	S	744.0	B	4		ZZZ	ZZZZZZ	PRIMARY AND SECONDARY COOLANT CLEANUP FOLLOWING SHUTDOWN.

SUMMARY

FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING 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)

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

FACILITY DATA

Report Period MAY 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 JANUARY 1-FEBRUARY 29, 1984 (84-01): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, PREPARATION FOR REFUELING, REFUELING ACTIVITIES, RESERVE SHUTDOWN, REVIEW OF PERIODIC AND SPECIAL REPORTS, AND IE BULLETIN FOLLOWUP. WITHIN THE NINE AREAS INSPECTED THREE VIOLATIONS, ONE OPEN ITEM, AND ONE UNRESOLVED ITEM WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 21-24, 1984 (84-05): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY PLAN AND IMPLEMENTING PROCEDURES, SECURITY ORGANIZATION RESPONSE AND SECURITY ORGANIZATION PERSONNEL. WITHIN THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED FEBRUARY 27-MARCH 2, 1984 (84-06): ROUTINE,UNANNOUNCED INSPECTION OF SELECTED PORTIONS OF THE FSV EMERGENCY RESPONSE PROGRAM. WITHIN THE EMERGENCY RESPONSE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 5-9, 1984 (84-08): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION OPERATIONS DURING REFUELING INCLUDING: ORGANIZATION AND MANAGEMENT CONTROL, TRAINING AND QUALIFICATIONS, EXPOSURE CONTROL (EXTERNAL AND INTERNAL), MATERIAL CONTROL SURVEYS, FACILITIES AND EQUIPMENT, ALARM PROGRAM, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. WITHIN THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED APRIL 2-12, 1984 (84-09): ROUTINE, UNANNOUNCED INSPECTION OF PHYSICAL BARRIERS-PROTECTED AREAS, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AID, ACCESS CONTROL-PERSONNEL, ACCESS CONTROL-PACKAGES, ACCESS CONTROL-VEHICLES, COMMUNICATIONS,

INSPECTION SUMMARY

AND INDEPEDENT INSPECTION EFFORT. WITHIN THE EIGHT AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MARCH 1-31,1984 (84-10): ROUTINE INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPRATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, CORE SAFETY LIMIT, REGION PEAKING FACTOR, REVIEW OF PERIODIC AND SPECIAL REPORTS, IE BULLETIN FOLLOWUP, AND LICENSEE EVENT FOLLOWUP. WITHIN THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS 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 FOLLOWUP. WITHIN THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. FIVE OPEN ITEMS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE LICENSEE'S ESTABLISHED QA PROGRAM, THE NRC INSPECTOR DETERMINED THAT THE QA/QC INSPECTOR HAD FAILED TO DOCUMENT NONCONFORMING RESERVE SHUTDOWN MATERIAL AND HAD FAILED TO ACCUMULATE THE QA PURCHASE ORDER RECORD FILE AS REQUIED. CONTRARY TO ADMINISTRATIVE PROCEDURE Q-7, THE NRC INSPECTOR DETERMINED THAT THE REQUIRED RECEIPT INSPECTION HAD NOT BEEN PERFORMED RESULTING IN THE RECEIPT AND INSTALLATION OF UNCONTROLLED NONCONFORMING SAFETY-RELATED SWITCHGEAR.
(8401 4)

CONTRARY TO THE LICENSEE'S ADMINISTRATIVE PROCEDURES, THE NRC INSPECTOR DETERMINED THAT MAINTENANCE QUALITY CONTROL HAD NOT BEEN REVIEWING ALL NEW/REVISED MAINTENANCE PROCEDURES AS REQUIRED.
(8401 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

CURRENTLY AT 15% POWER. POWER INCREASE AS PRIMARY AND SECONDARY CHEMISTRY ALLOWS. THIRD REFUELING OUTAGE COMPLETED MAY 16, 1984, WITH REACTOR CRITICALITY AT 2:50 P.M. MDT

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

INSPECTION REPORT NO: 50-267/84-13

REPORTS FROM LICENSEE

FORT ST VRAIN

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004	3/27/84	4/26/84	ON MARCH 27, 1984, IT WAS DETERMINED THAT SURVEILLANCE TEST REQUIREMENTS FOR SR 5.2.23 WERE NOT PERFORMED IN CONJUCTION WITH SURVEILLANCETEST SR 5.2.7A-A AS REQUIRED, DUE TO PROCEDURAL INADEQUACY.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-244 OPERATING STATUS
2. Reporting Period: 05/01/84 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	3,647.0	127,223.0
13. Hours Reactor Critical	237.1	1,727.2	95,326.6
14. Rx Reserve Shtdwn Hrs	40.7	40.7	1,672.2
15. Hrs Generator On-Line	185.5	1,675.1	93,186.4
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	160,440	2,367,864	128,625,233
18. Gross Elec Ener (MWH)	50,384	783,872	41,948,243
19. Net Elec Ener (MWH)	46,105	743,735	39,769,979
20. Unit Service Factor	24.9	45.9	73.2
21. Unit Avail Factor	24.9	45.9	73.3
22. Unit Cap Factor (MDC Net)	13.2	43.4	68.2*
23. Unit Cap Factor (DER Net)	13.2	43.4	68.2*
24. Unit Forced Outage Rate	23.6	3.3	7.7
25. Forced Outage Hours	57.3	57.3	3,859.4

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

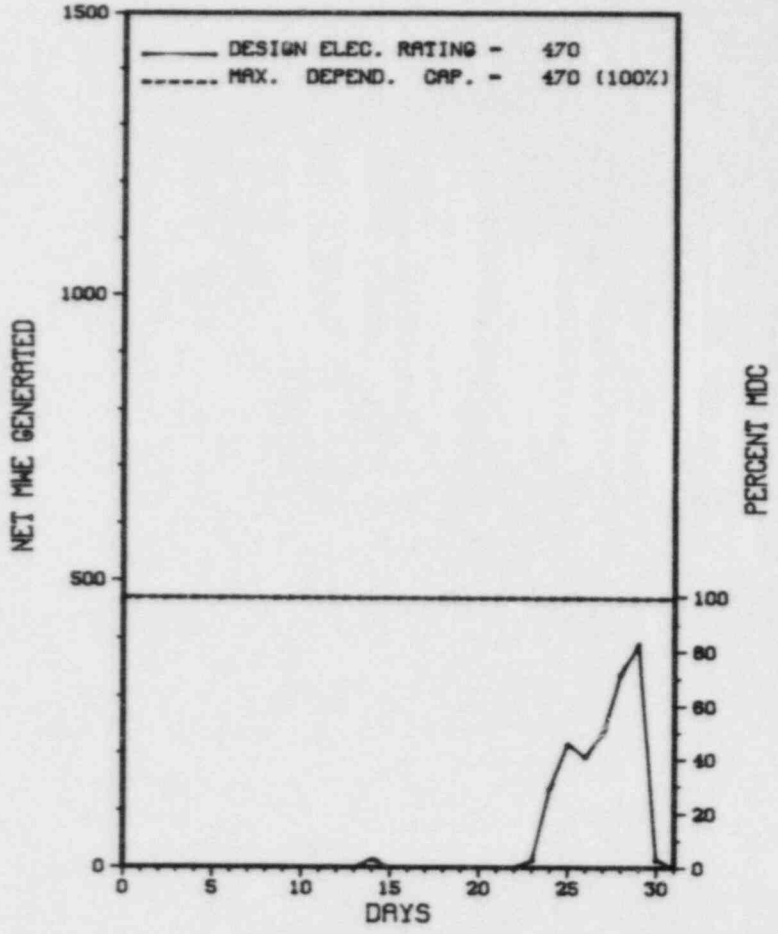
NONE

27. If Currently Shutdown Estimated Startup Date: 06/15/84

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

GINNA

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/03/84	S	286.7	C	4		RC	FUELXX	REFUELING CONCLUDES.
84-1	05/14/84	S	207.8	A	1				SECONDARY CHEMISTRY OUT OF SPECS, CREVICE CLEANING AND SLUDGE LANCING ON S/G A&B, AND CONDENSER TUBE LEAK.
84-2	05/23/84	S	6.7	B	1				T-18C OVERSPEED TEST.
84-3	05/30/84	F	57.3	A	3				AIR COOLER GASKET POOR COMPRESSION. SHIMMED AIR COOLER TO PROVIDE PROPER ALIGNMENT AND SEALANT ON BOTH SIDES OF GASKET.

SUMMARY

GINNA RETURNED ONLINE FROM REFUELING ON 5/23 & OPER W/3 ADDT'L OUTAGES DURING 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)

****
* GINNA *
****

FACILITY DATA

Report Period MAY 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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1 AND ADMINISTRATIVE PROCEDURE (A)-301, ON JULY 15, 1983 A STATION MODIFICATION, POST ACCIDENT SAMPLING SYSTEM (PASS), WAS PLACED IN SERVICE AND CONSIDERED OPERABLE WITHOUT REVIEWING THE SM PROCEDURE TO ENSURE IT HAD BEEN COMPLETED AS NECESSARY FOR THE MODIFICATION TO PERFORM ITS INTENDED FUNCTION. FURTHER, ACCEPTABLE INSPECTION AND TEST RESULTS WERE NOT VERIFIED, IN THAT OPEN ITEMS RESULTING FROM WALKDOWN INSPECTIONS AND FIELD CHANGES; SURVEILLANCE AND NONCONFORMANCE REPORTS; AND QC FUNCTIONAL TESTING CONCERNS, WERE NOT ADEQUATELY EVALUATED WITH REGARD TO OPERABILITY PRIOR TO PLACING THE PASS IN SERVICE.
(8323 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION X, THE GINNA STATION QUALITY ASSURANCE MANUAL, ADMINISTRATIVE PROCEDURE (A)-203, AND BELL-SCHNEIDER PLANT PROCEDURES MANUAL 3.7: QC SURVEILLANCE OF MATERIAL STORAGE PERFORMED IN THE PROJECT QUALITY ASSURANCE STORAGE AREA WAS DETERMINED TO BE INADEQUATE, IN THAT ON OCTOBER 18, 1983: -- ACCESS TO THE STORAGE AREA WAS NOT CONTROLLED; -- POOR CLEANLINESS AND HOUSEKEEPING PRACTICES EXISTED; -- SEVERAL PREFABRICATED PIPING ASSEMBLIES WERE NOT CAPPED OR OTHERWISE

ENFORCEMENT SUMMARY

SEALED; AND, -- APPROXIMATELY TWELVE, 3-WAY SOLENOID VALVES REQUISITIONED FROM STOCK AND NOT USED WERE NOT RETURNED TO STOCK, BUT WERE LEFT FOR SEVERAL MONTHS UNCAPPED WITH "ACCEPT" TAGS ATTACHED IN THE ADJACENT FABRICATING AREA.

CONTRARY TO TECHNICAL SPECIFICATION 6.8.3, TECHNICAL SPECIFICATION 6.8.1 AND ADMINISTRATIVE PROCEDURE (A)-503, AS OF NOVEMBER 18, 1983 THE FOLLOWING EXAMPLES OF FAILURE TO PROPERLY ADHERE TO AN ADMINISTRATIVE PROCEDURE WERE IDENTIFIED: -- STATION MODIFICATION PROCEDURE (SM)-2606.5D, PRE-OPERATIONAL TEST-PASS WASTE EVACUATING COMPRESSOR, REVISION 0, DECEMBER 3, 1982, PERFORMED JANUARY 14-15, 1983 CONTAINED NUMEROUS EXAMPLES WHERE PORTIONS OF STEPS WERE CROSSED OUT OR MARKED "NOT APPLICABLE" WITHOUT A PROCEDURE CHANGE BEING INITIATED AND APPROVED. -- SEPARATE PAGES FROM SM-2606.1, MECHANICAL INSTALLATION OF THE POST ACCIDENT SAMPLING SYSTEM, REVISION 0 AND 1 WERE COMBINED INTO ONE PROCEDURE INSTEAD OF COMPLETELY FILLING OUT AND SIGNING OFF EACH PROCEDURE SEPARATELY. SIMILARLY, SEPARATE PAGES FROM SM-2606.1A, STEAM GENERATORS 1A AND 1B BLOWDOWN SAMPLING LINE INSTALLATION, REVISION 0 AND 1 WERE ALSO COMBINED.
(8323 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-213 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	143,903.0
13. Hours Reactor Critical	744.0	3,647.0	124,848.4
14. Rx Reserve Shtdwn Hrs	.0	.0	1,200.5
15. Hrs Generator On-Line	744.0	3,647.0	119,554.3
16. Unit Reserve Shtdwn Hrs	.0	.0	373.7
17. Gross Therm Ener (MWH)	1,325,577	6,584,167	207,956,727
18. Gross Elec Ener (MWH)	430,313	2,179,631	68,292,874
19. Net Elec Ener (MWH)	410,164	2,080,538	64,981,239
20. Unit Service Factor	100.0	100.0	83.1
21. Unit Avail Factor	100.0	100.0	83.3
22. Unit Cap Factor (MDC Net)	96.9	100.3	83.0*
23. Unit Cap Factor (DER Net)	94.7	98.0	77.2*
24. Unit Forced Outage Rate	.0	.0	6.0
25. Forced Outage Hours	.0	.0	1,158.0

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

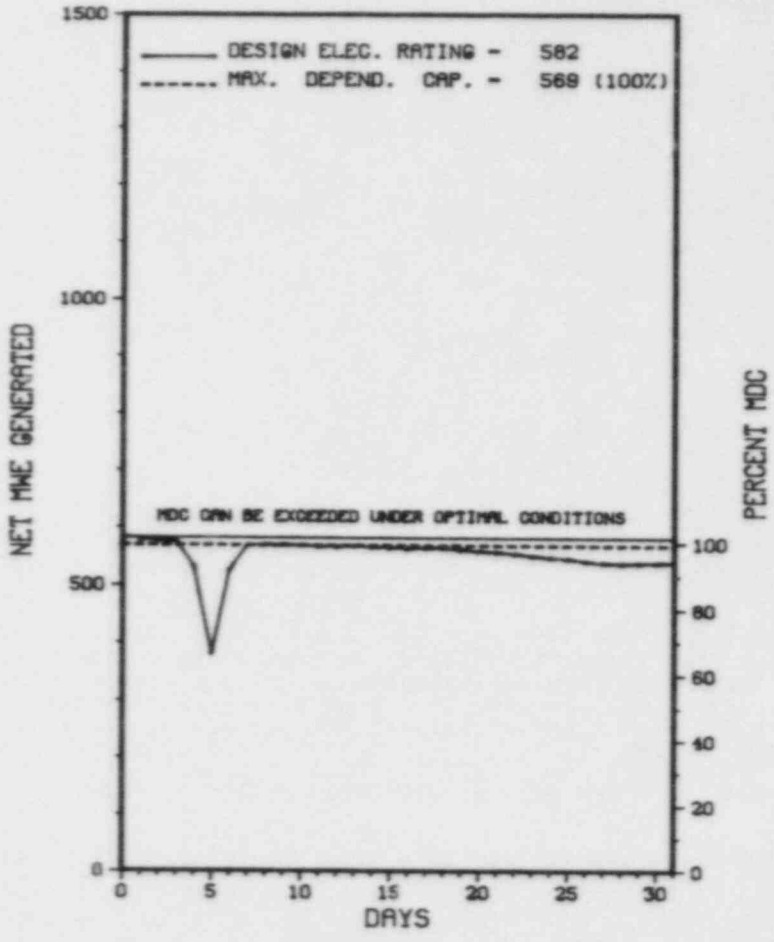
REFUELING: 07-27-84, 10 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-2	05/05/84	S	0.0	B	5		HJ	PIPEXX	6" DRAIN LINE FROM MSR TO HEATER DRAINS TANK DEVELOPED A LEAK. REDUCED POWER TO 65% TO REPAIR LEAK.

****
* SUMMARY *
****

HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER WITH 1 REDUCTION DURING MAY.

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)

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

FACILITY DATA

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

PUBLIC DOCUMENT ROOM.....RUSSELL LIBRARY
119 BROAD STREET
MIDDLETOWN, CONNECTITCUT 06457

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: M. G. MCBAY (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	3,647.0	73,775.0
13. Hours Reactor Critical	744.0	2,978.5	52,484.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,882.4	49,275.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,729,944	6,618,412	103,753,527
18. Gross Elec Ener (MWH)	540,540	2,108,720	33,557,700
19. Net Elec Ener (MWH)	516,503	2,009,819	31,860,310
20. Unit Service Factor	100.0	79.0	66.8
21. Unit Avail Factor	100.0	79.0	66.8
22. Unit Cap Factor (MDC Net)	92.3	73.3	57.4
23. Unit Cap Factor (DER Net)	89.3	70.9	55.6
24. Unit Forced Outage Rate	.0	19.1	16.2
25. Forced Outage Hours	.0	680.0	9,289.9

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

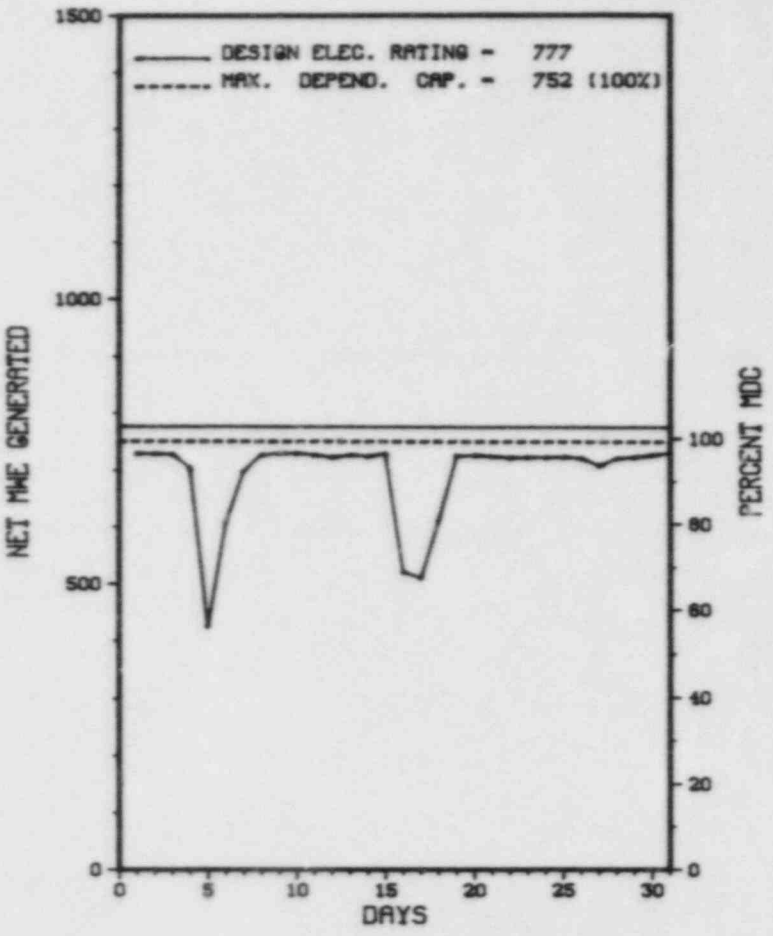
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

HATCH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-33	05/01/84	F	0.0	A	5		HA	TURBIN	13TH STAGE BUCKETS ON LOW-PRESSURE TURBINE WERE DAMAGED AND ARE OUT FOR THE DURATION OF MAY.
84-34	05/04/84	F	0.0	B	5		CD	VALVEX	MSIV CLOSURE TIME TESTING (HNP-1-3111).
84-35	05/04/84	F	0.0	H	5		RB	CONROD	LOAD REDUCTION TO APPROX. 30% FOR ROD SEQUENCE EXCHANGE.
84-36	05/11/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING.
84-37	05/16/84	F	0.0	A	5		CH	HEATER	REDUCED LOAD TO REPAIR FEEDWATER LEAKS & RAMPED BACK UP TO 80%.
84-38	05/17/84	F	0.0	A	5		HF	PUMPXX	REDUCED LOAD FROM 80% TO 50 TO REMOVE 1A CIRCULATING WATER PUMP.
84-39	05/27/84	S	0.0	B	5		RC	CONROD	CONTROL ROD EXERCISE IN PROGRESS (HNP-1-3939).
84-40	05/27/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TEST.

SUMMARY

HATCH 1 OPERATED WITH 8 REDUCTIONS AND NO OUTAGES DURING MAY.

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)

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

FACILITY DATA

Report Period MAY 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...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 MAY 1-4 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREA OF IE BULLETINS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-20 (84-15): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION AND MANAGEMENT; EXTERNAL EXPOSURE; CONTROL OF RADIOACTIVE MATERIALS, ALARA; SOLID WASTES AND TRANSPORTATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 21 - MAY 20 (84-16): THIS INSPECTION INVOLVED 64 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.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: APRIL 21 - MAY 20, 1984 +

INSPECTION REPORT NO: 50-321/84-16 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004/ - -	03/27/84	04/25/84	SCRAM DISCHARGE VOLUME HI-HI LEVEL THERMAL LEVEL SENSORS HAD NOT BEEN FUNCTIONALLY TESTED AT REQUIRED FREQUENCY.

1. Docket: 50-366 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: M. G. MCBAY (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): 806
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	3,647.0	41,544.0
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)	-2,179	224,252	17,642,494
20. Unit Service Factor	.0	8.5	63.2
21. Unit Avail Factor	.0	8.5	63.2
22. Unit Cap Factor (MDC Net)	.0	8.2	56.8
23. Unit Cap Factor (DER Net)	.0	7.8	54.2
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):

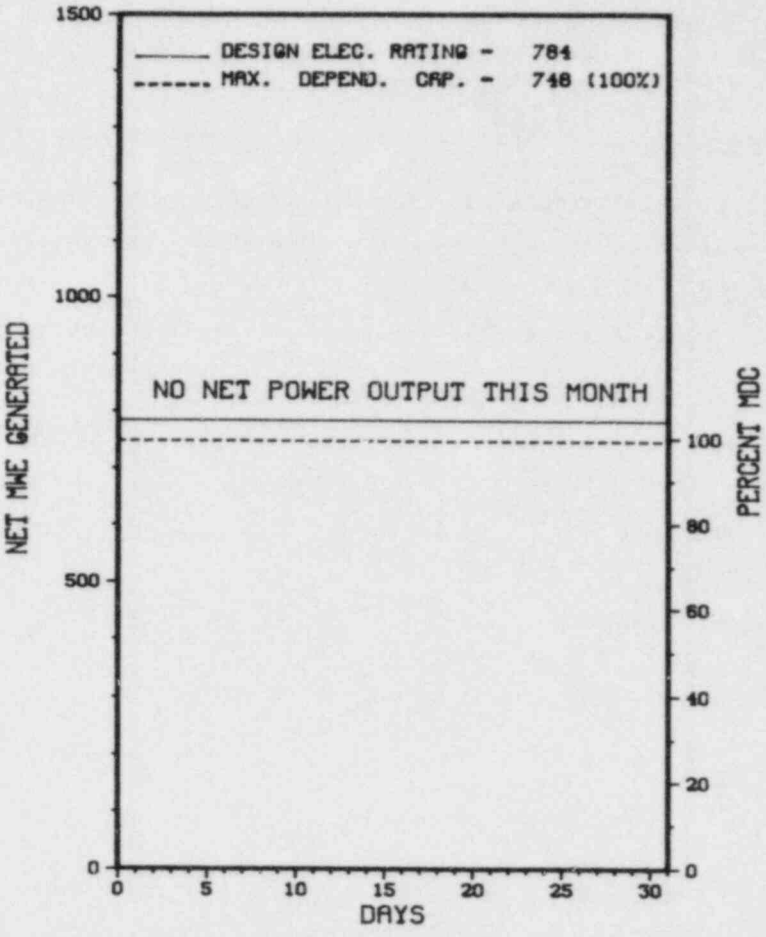
NONE

27. If Currently Shutdown Estimated Startup Date: 06/11/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



MAY 1984

Report Period MAY 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

HATCH 2 REMAINS SHUTDOWN IN A CONTINUING REPAIR 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)

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

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...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 MAY 1-4 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF RECIRC PIPING REPLACEMENT; IE BULLETINS; AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-20 (84-15): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF ORGANIZATION AND MANAGEMENT; EXTERNAL EXPOSURE; CONTROL OF RADIOACTIVE MATERIALS, ALARA; SOLID WASTES AND TRANSPORTATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 21 - MAY 20 (84-16): THIS INSPECTION INVOLVED 65 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.

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: APRIL 21 - MAY 20, 1984 +

INSPECTION REPORT NO: 50-366/84-16 +

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
84-008/ - -	03/27/84	04/25/84	TURBINE BUILDING AREA TEMPERATURE FT&C" PROCEDURE WAS INADEQUATE.

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

2. Reporting Period: 05/01/84 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	3,647.0	86,952.0
13. Hours Reactor Critical	744.0	3,204.4	59,152.0
14. Rx Reserve Shtdwn Hrs	.0	.0	2,119.1
15. Hrs Generator On-Line	744.0	3,180.5	57,376.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,584,326	8,184,039	149,224,538
18. Gross Elec Ener (MWH)	481,550	2,566,640	46,224,216
19. Net Elec Ener (MWH)	459,115	1,860,351	43,487,443
20. Unit Service Factor	100.0	87.2	66.0
21. Unit Avail Factor	100.0	87.2	66.0
22. Unit Cap Factor (MDC Net)	72.7	59.5	59.0*
23. Unit Cap Factor (DER Net)	70.7	58.4	57.3
24. Unit Forced Outage Rate	.0	12.8	9.6
25. Forced Outage Hours	.0	466.5	5,842.7

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

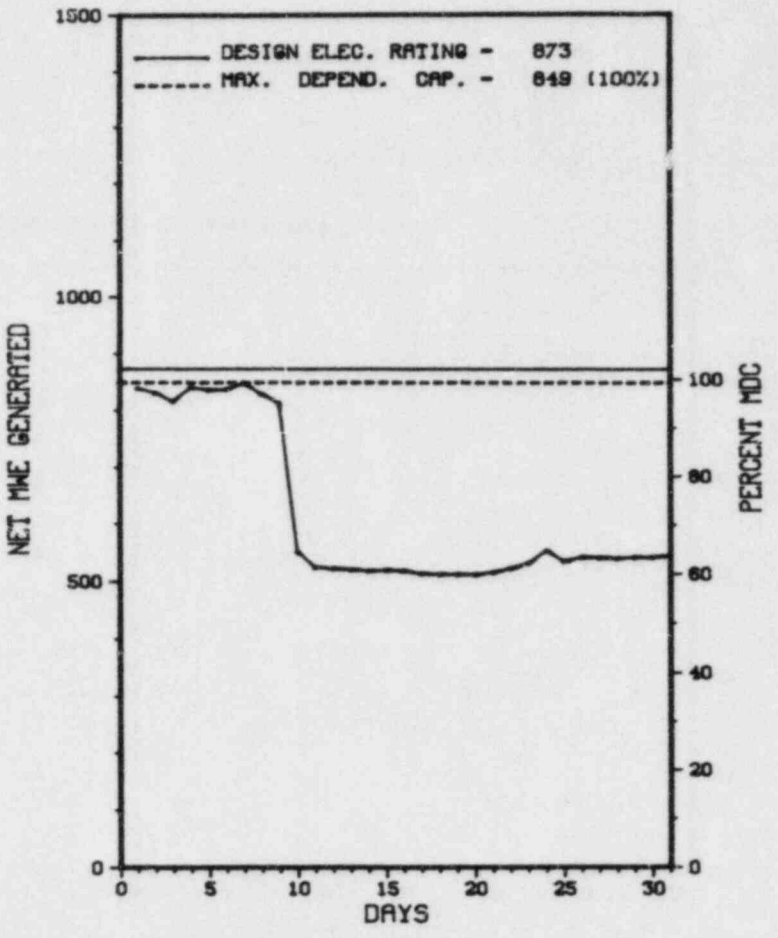
10 YEAR INSPECTION & REFUELING: 06/02/84

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	05/09/84	S	0.0	H	5		ZZ	ZZZZZZ	FUEL MANAGEMENT LOAD REDUCTION PRIOR TO CYCLE 6/7 REFUELING.

SUMMARY

INDIAN POINT 2 OPERATED ROUTINELY DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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...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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

AS A RESULT OF THE INSPECTION CONDUCTED ON OCTOBER 5-7 AND 11-14, 1983, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY (10CFR2, APPENDIX C), THE FOLLOWING VIOLATION WAS IDENTIFIED: 10CFR50, APPENDIX B, CRITERION X; THE CONSOLIDATED EDISON UPDATED FSAR QUALITY ASSURANCE PROGRAM DESCRIPTION, DATED MAY 6, 1983 (REV. 1); AND, ANSI N18.7-1976, ADMINISTRATIVE CONTROLS AND QUALITY ASSURANCE FOR THE OPERATIONAL PHASE OF NUCLEAR POWER PLANTS, REQUIRE THAT INSPECTION AND PERFORMANCE TESTING ACTIVITIES ON SAFETY-RELATED SYSTEMS BE INSPECTED AND TESTED. CONTRARY TO THE ABOVE, INSPECTIONS OF MORE IMPORTANT MAINTENANCE ACTIVITIES WERE NOT PERFORMED ROUTINELY IN THAT ONLY THREE OF APPROXIMATELY 40 MAINTENANCE WORK PACKAGES SAMPLED FOR REVIEW CONTAINED OBJECTIVE EVIDENCE OF INDEPENDENT INSPECTION OF ANY WORK ACTIVITIES. THE FOLLOWING EXAMPLES OF MAINTENANCE WORK REQUESTS (MWR'S) LACKING ANY INSPECTION OF ASSOCIATED WORK ACTIVITIES IS PROVIDED. -- MWR'S 06835 AND 06833, RPS BREAKER REPAIRS; -- MRW 07004, REPLACE BORIC ACID TRANSFER SEAL; -- MWR 07713, TESTING OF WESTINGHOUSE DB 50 ES BREAKERS; -- MWR 08501, REMOVE AND REPLACE CHARCOAL FILTERS, ADJUST DAMPERS; -- MWR'S 08932 AND 08045, REPLACE CHARGING PUMP SEALS. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8322 4)

ENFORCEMENT SUMMARY

10 CFR 20.204(C)(2)(III) WHICH REQUIRES, IN PART, THAT (1) POSITIVE CONTROL BE PROVIDED WHEN ACCESS IS REQUIRED TO A HIGH RADIATION AREA (MORE THAN 100 MILLIREM IN ONE HOUR COULD BE RECEIVED BY A MAJOR PORTION OF THE BODY) OR (2) PROVISIONS, ON 1/31/84 ABOUT 3 PM, AN OPEN EQUIPMENT HATCH ACCESS TO THE UNIT 1 VAPOR CONTAINER FROM THE 70' ELEVATION OF THE CONTROL AND SERVICE BUILDING WAS UNGUARDED AND NOT UNDER POSITIVE CONTROL NOR LOCKED. THE UNIT 1 VAPOR CONTAINER HAS AREAS WHICH ARE ACCESSIBLE AND WHICH HAVE RADIATION AREAS UP TO 2,500 MILLIREM PER HOUR.
(8404 4)

TECHNICAL SPECIFICATION 6.8 REQUIRES, IN PART, TTHAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 OF ANSI N18.7-1972. ANSI N18.7-1972 REQUIRES, IN PART THAT CHANGES TO PROCEDURES BE DISTRIBUTED TO AND USED BY THE PERSONNEL PERFORMING THE PRESCRIBED ACTIVITY. CONTRARY TO THE ABOVE, CHANGES TO HEALTH PHYSICS INSTRUCTION NO. 2.28, "INSTRUCTIONS TO H.P. TECHNICIANS ASSIGNED TO V.C. CONTROL POINT", WERE MADE EFFECTIVE 2/16/84. THE LICENSEE FAILED TO ASSURE THAT ALL HEALTH PHYSICS TECHNICIANS REQUIRED TO PERFORM THE PRESCRIBED ACTIVITY WERE NOTIFIED OF THE CHANGE. PROCEDURES FOR READING/ACKNOWLEDGEMENT, POSTING AND DISTRIBUTION OF THE CHANGES HAD NOT BEEN COMPLETED ON 2/27/84.

(8407 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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: 05/01/84 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	3,647.0	67,968.0
13. Hours Reactor Critical	720.3	2,928.7	37,353.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	691.0	2,801.1	35,943.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,041,716	7,787,296	92,157,132
18. Gross Elec Ener (MWH)	674,880	2,550,685	28,917,296
19. Net Elec Ener (MWH)	649,716	2,453,201	27,697,379
20. Unit Service Factor	92.9	76.8	52.9
21. Unit Avail Factor	92.9	76.8	52.9
22. Unit Cap Factor (MDC Net)	90.5	69.7	42.2
23. Unit Cap Factor (DER Net)	90.5	69.7	42.2
24. Unit Forced Outage Rate	2.6	22.3	23.5
25. Forced Outage Hours	18.6	805.4	11,002.2

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

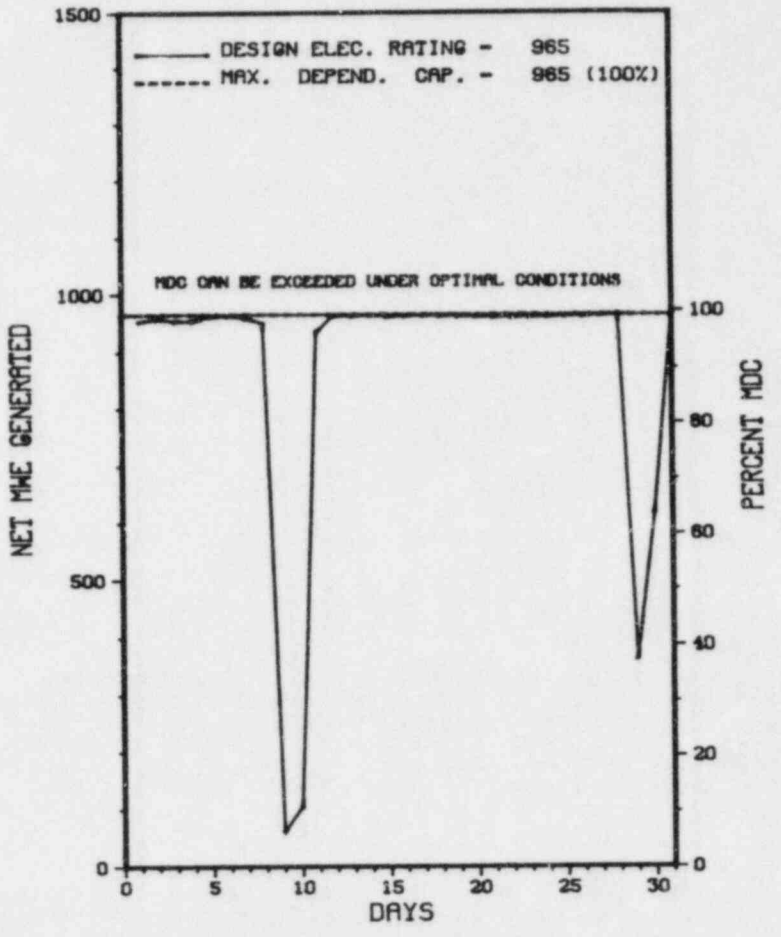
MID CYCLE MAINTENANCE OUTAGE: OCTOBER 1984

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
06	05/09/84	S	34.4	B	1		ZZ	ZZZZZZ	MANUAL SHUTDOWN TO REPAIR CROSSUNDER PIPING MAIN STEAM LEAK.
07	05/09/84	F	18.6	A	3	84-007-00	CD	INSTRU	UNIT TRIP DUE TO THE CLOSURE OF #33 MAIN STEAM ISOLATION VALVE.

SUMMARY

INDIAN POINT 3 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING MAY.

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

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

FACILITY DATA

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

PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
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.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-305 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	87,312.0
13. Hours Reactor Critical	614.0	2,437.7	73,617.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	575.3	2,398.8	72,211.3
16. Unit Reserve Shtdwn Hrs	.0	.0	10 0
17. Gross Therm Ener (MWH)	837,414	3,735,603	112,706,689
18. Gross Elec Ener (MWH)	276,900	1,229,200	37,087,300
19. Net Elec Ener (MWH)	262,749	1,171,272	35,303,308
20. Unit Service Factor	77.3	65.8	82.7
21. Unit Avail Factor	77.3	65.8	82.7
22. Unit Cap Factor (MDC Net)	70.2	63.8	77.7*
23. Unit Cap Factor (DER Net)	66.0	60.0	75.6
24. Unit Forced Outage Rate	1.4	.3	3.8
25. Forced Outage Hours	8.3	8.3	2,738.0

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

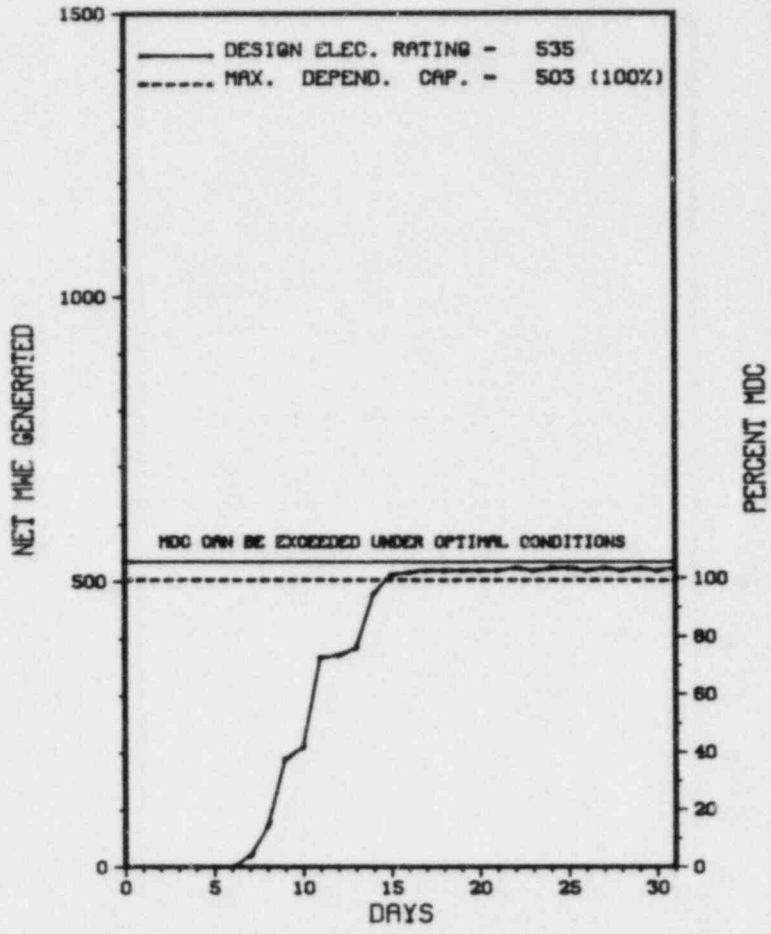
NONE

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

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* KEWAUNEE *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/16/84	S	157.6	C	4		ZZ	ZZZZZZ	CONTINUED CYCLE IX-X REFUELING OUTAGE. THE OUTAGE CONCLUDED ON 5/7/84 AT 1337 HOURS.
3	05/07/84	F	3.3	B	3	84-09	IA	TURBIN	WHILE PERFORMING TURBINE TRIP MECHANISM TESTS, AN ACTUAL REACTOR/TURBINE TRIP WAS INITIATED DURING TESTING OF THE THRUST BEARING TRIP DUE TO AN INCORRECTLY WIRED AUTO STOP TRIP PRESSURE SWITCH.
4	05/07/84	F	5.0	G	3	84-10	CH	ZZZZZZ	A REACTOR/TURBINE TRIP OCCURRED ON LOW-LOW STEAM GENERATOR LEVEL DURING UNIT STARTUP WHILE TRANSFERRING FROM MANUAL TO AUTOMATIC FEEDWATER REGULATION VALVE CONTROL.
5	05/08/84	S	2.8	B	1		HA	TURBIN	A SHORT OUTAGE WAS TAKEN TO PERFORM TURBINE OVERSPEED TRIP TESTS.

****
* SUMMARY *
****

KEWAUNEE RETURNED ONLINE FROM REFUELING ON MAY 7TH AND OPERATED WITH 3 ADDITIONAL OUTAGES DURING THE REMAINDER OF 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)

****
* KEWAUNEE *
****

FACILITY DATA

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 1200
GREEN BAY, WISCONSIN 54305

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.....D. NEIGHBORS
DOCKET NUMBER.....50-305

LICENSE & DATE ISSUANCE....DPR-43, DECEMBER 21, 1973

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF WISCONSIN
LIBRARY LEARNING CENTER
2420 NICOLET DRIVE
GREEN BAY, WISCONSIN 54301

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 16 - APRIL 15, (84-02): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE SURVEILLANCE; INDEPENDENT INSPECTION; LICENSEE EVENT REPORTS; IE BULLETINS, PREPARATION FOR REFUELING; AND ONSITE FOLLOWUP OF SIGNIFICANT EVENTS. THE INSPECTION INVOLVED A TOTAL OF 159 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 STATES, "WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972." ANSI N18.7-1972, SECTION 5.3 STATES, IN PART, "NUCLEAR POWER PLANTS SHALL BE OPERATED IN ACCORDANCE WITH WRITTEN PROCEDURES." SURVEILLANCE PROCEDURE (SP) 08-185, "CHARCOAL FILTER HEAT DETECTOR TEST", SECTION 6.1, STATES, "HAVE OPERATIONS PLACE THE FOLLOWING ITEMS IN THE INDICATED POSITION AND TAG, FOR EACH UNIT TO BE ISOLATED. REMOVE ONLY ONE SYSTEM FROM SERVICE AT A TIME." CONTRARY TO THE ABOVE, ON MARCH 13, 1984, MAINTENANCE PERSONNEL REQUESTED THAT SHIELD BUILDING VENTILATION (SBV) TRAIN "B" BE REMOVED FROM SERVICE AND TAGGED FOR PERFORMANCE OF SP 08-185. FOLLOWING THE RELEASE OF SBV TRAIN "B" FOR TESTING, THE MAINTENANCE PERSONNEL PERFORMED SP 08-185 TESTING ON TRAIN "A". PERFORMANCE OF SPECIFIC STEPS OF THE SP WILL PLACE THE UNIT BEING TESTED OUT OF SERVICE. PERFORMANCE OF

ENFORCEMENT SUMMARY

THE ABOVE ACTIONS RESULTED IN BOTH TRAINS OF THE SBVS BEING OUT OF SERVICE FOR APPROXIMATELY ONE HOUR, CONTRARY TO THE PROCEDURAL REQUIREMENTS OF SP 08-185.
(8402 4)

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. ADMINISTRATIVE CONTROL DIRECTIVE (ACD) 13.2 REQUIRES THAT PLANT STAFF AND CONTRACTOR PERSONNEL BE GIVEN RESPIRATORY PROTECTION TRAINING IN ACCORDANCE WITH ANSI Z88.2-1980. CONTRARY TO THE ABOVE, ACCORDING TO LICENSEE AND CONTRACTOR PERSONNEL, THE TRAINING SPECIFIED IN ANSI Z88.2-1980 WAS NOT CONSISTENTLY GIVEN TO CONTRACTOR PERSONNEL WHO WORE RESPIRATORS.
(8403 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SCHEDULED REFUELING OUTAGE COMPLETED 5/8/84. THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 7-11, 1984

INSPECTION REPORT NO: 84-06

REPORTS FROM LICENSEE

KEWAUNEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	04/01/84	05/01/84	ROD CLUSTER CONTROL ASSEMBLY CLADDING WEAR.
84-04	04/09/84	05/09/84	INADVERTENT ACTUATION OF 1B SHIELD BLDG VENT. RECIRCULATION FAN.
84-05	04/10/84	05/10/84	INADVERTENT RELAY ACTUATION.
84-06	04/16/84	05/16/84	REDUNDANT CONTAINMENT. ISO. VALVES WITH EXCESSIVE LEAKAGE.
84-07	04/20/84	05/18/84	INADVERTENT START OF BOTH DIESEL GENERATORS.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-409 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	127,826.0
13. Hours Reactor Critical	632.1	3,212.1	83,956.5
14. Rx Reserve Shtdwn Hrs	.0	.0	478.0
15. Hrs Generator On-Line	608.2	3,043.7	77,880.0
16. Unit Reserve Shtdwn Hrs	.0	.0	79.0
17. Gross Therm Ener (MWH)	87,141	465,025	10,747,329
18. Gross Elec Ener (MWH)	27,506	149,183	3,206,411
19. Net Elec Ener (MWH)	25,851	141,005	2,968,240
20. Unit Service Factor	81.7	83.5	60.9
21. Unit Avail Factor	81.7	83.5	61.0
22. Unit Cap Factor (MDC Net)	72.4	80.5	48.4
23. Unit Cap Factor (DER Net)	69.5	77.3	46.4
24. Unit Forced Outage Rate	18.3	11.5	9.6
25. Forced Outage Hours	135.8	397.1	7,240.4

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

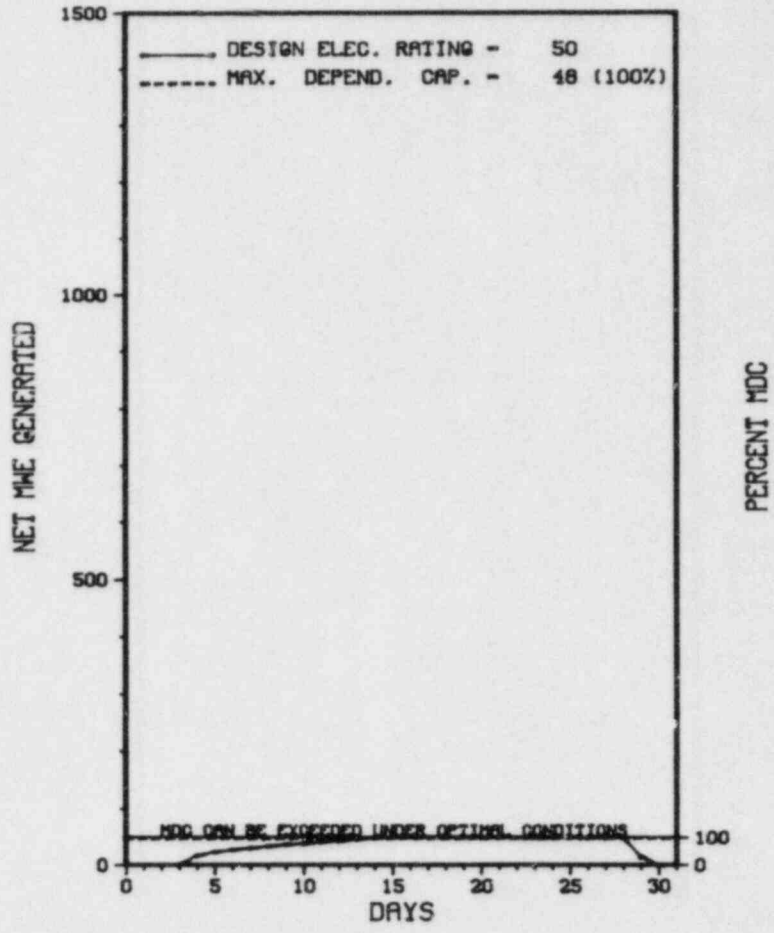
REFUELING, OCTOBER 10, 1984, REFUELING

27. If Currently Shutdown Estimated Startup Date: 06/06/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

LA CROSSE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	04/24/84	F	70.8	A	4		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN IN ORDER TO REWORK AN UPPER CONTROL ROD DRIVE MECHANISM SEAL.
84-04	05/29/84	F	65.0	A	3	84-07	CB	MECFUN	THE REACTOR AUTOMATICALLY SHUTDOWN DUE TO A HIGH POWER/FLOW SIGNAL CAUSED BY A NUCLEAR INSTRUMENTATION SPIKE FOLLOWING A DECREASE IN FORCED CIRCULATION FLOW. MAINTENANCE WAS PERFORMED ON THE 1A FORCED CIRCULATION PUMP.

SUMMARY

LA CROSSE OPERATED WITH 2 OUTAGES DUE TO EQUIPMENT FAILURE DURING MAY.

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

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

FACILITY DATA

Report Period MAY 1984

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

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT SHUT DOWN ON 5/28/84 DUE TO PUMP SPEED CONTROL PROBLEMS ON MAIN CIRCULATING WATER PUMP.

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

INSPECTION REPORT NO: 84-08

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
84-04	04/06/84	04/25/84	PERSONNEL AIRLOCK TYPE B TEST FAILURE.
84-05	04/03/84	05/01/84	UNSEALED FIRE BARRIER PENETRATIONS.
84-06	04/19/84	05/16/84	SCRAM DUE TO HI POWER/FLOW SIGNAL.

1. Docket: 50-373 OPERATING STATUS
2. Reporting Period: 05/01/84 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	3,647.0	3,647.0
13. Hours Reactor Critical	736.3	2,594.4	2,594.4
14. Rx Reserve Shtdwn Hrs	7.7	1,019.7	1,019.7
15. Hrs Generator On-Line	736.3	2,456.6	2,456.6
16. Unit Reserve Shtdwn Hrs	.0	1.0	1.0
17. Gross Therm Ener (MWH)	2,120,699	12,903,958	12,903,958
18. Gross Elec Ener (MWH)	777,907	2,229,872	2,229,872
19. Net Elec Ener (MWH)	750,769	2,119,305	2,119,305
20. Unit Service Factor	99.0	67.4	67.4
21. Unit Avail Factor	99.0	67.4	67.4
22. Unit Cap Factor (MDC Net)	93.6	53.9	53.9
23. Unit Cap Factor (DER Net)	93.6	53.9	53.9
24. Unit Forced Outage Rate	1.0	27.4	27.4
25. Forced Outage Hours	7.7	926.5	926.5

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

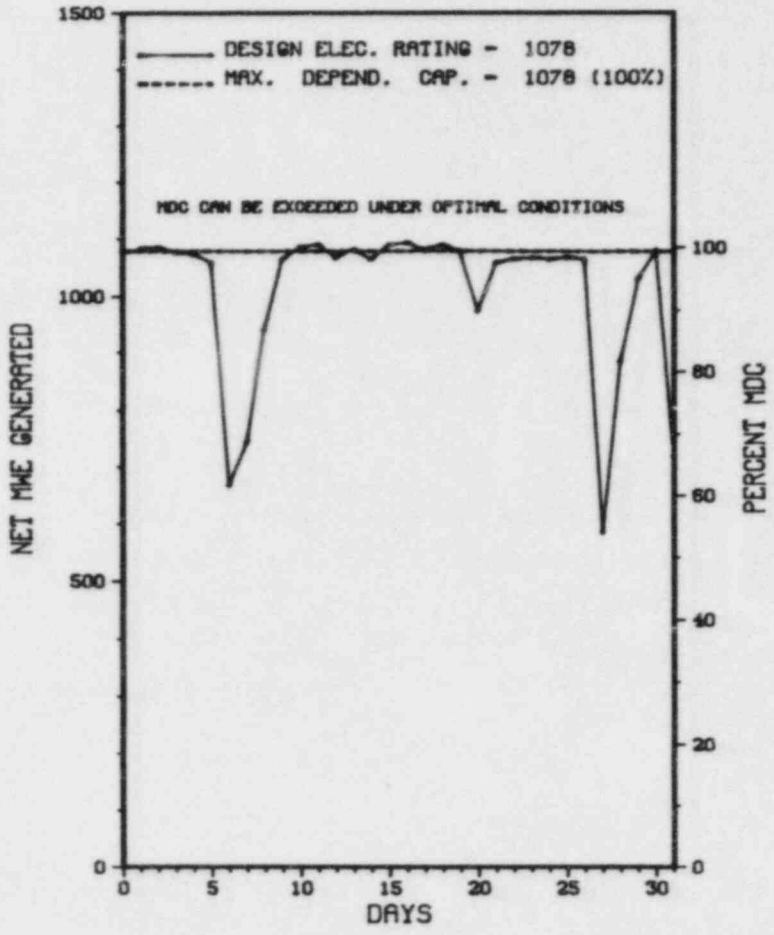
NONE

27. If Currently Shutdown Estimated Startup Date: 06/03/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	05/31/84	F	7.7	A	3				LOSS OF CONDENSER VACUUM AS A RESULT OF BLOWN SJAE & S.P.E. LOOP SEALS. RESULTED IN TURBINE TRIP & REACTOR SCRAM. PROCEDURE REVISIONS IN PROGRESS TO ENSURE LOOP SEALS REMAIN FILLED.

SUMMARY

LASALLE 1 OPERATED ROUTINELY, SHUTTING DOWN ON MAY 31ST FOR EQUIPMENT 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 (LER) File (NUREG-0161)
			9-Other	

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

FACILITY DATA

Report Period MAY 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.....W. GULDEMOND

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 MARCH 25 THROUGH APRIL 13, (84-10): ROUTINE, UNNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OOERATIONAL SAFETY; ONSITE FOLLOWUP OF OPERATING EVENTS; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION, PERIODIC AND SPECIAL REPORTS; STARTUP TESTING; MAINTENANCE; IE BULLETINS; AND PROCEDURES. THE INSPECTION INVOLVED A TOTAL OF 151 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; TWO EXAMPLES OF ONE ITEM OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREAS.

INSPECTION ON APRIL 4, (84-11): METALLURGICAL EXAMINATION OF CRACKS IN FLYWHEELS FROM TWO DIESEL ENGINES. THE INSPECTION INVOLVED A TOTAL OF 8 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR REPAIRS.

LAST IE SITE INSPECTION DATE: MAY 17, 1984

INSPECTION REPORT NO: 84-15

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-17	03/08/84	05/25/84	FAILURE OF CONTROL ROOM VENT. AMMONIA-CHLORINE DETECTION SYSTEM.
84-22	04/14/84	05/10/84	[illegible] SCRAM ON LOW RPV LEVEL.
84-23	04/15/84	05/10/84	REACTOR WATER CLEAN-UP DIFFERENTIAL FLOW ISOLATION.
84-24	04/23/84	05/15/84	ELECTRICAL CABLE PENETRATIONS INOP.

1. Docket: 50-374 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: ARAS R. LINTAKAS
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	989.9	989.9
13. Hours Reactor Critical	588.7	724.1	724.1
14. Rx Reserve Shtdwn Hrs	155.3	265.8	265.8
15. Hrs Generator On-Line	473.7	581.1	581.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	444,715	588,187	588,187
18. Gross Elec Ener (MWH)	110,201	126,884	126,884
19. Net Elec Ener (MWH)	98,877	113,093	113,093
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	121.1	231.8	231.8

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

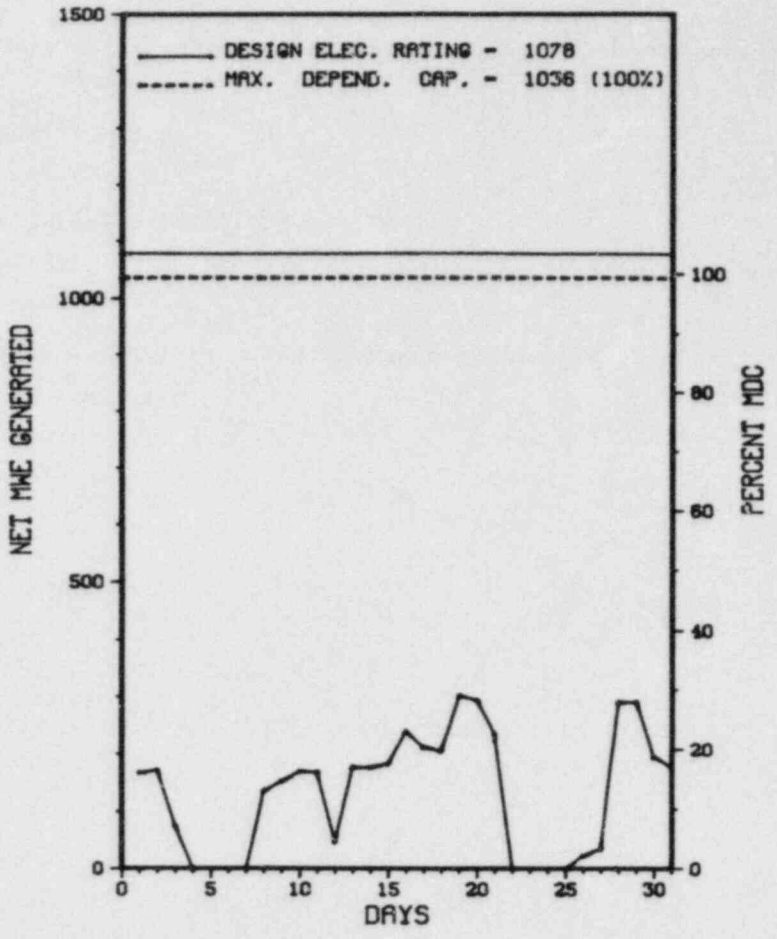
NONE

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

****
* LASALLE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	05/02/84	S	0.3	B	3				TURBINE TRIP DURING STARTUP TESTING.
10	05/03/84	S	114.6	B	2				PERFORMED MINOR MAINTENANCE WORK.
11	05/12/84	S	16.4	B	3				TURBINE TRIP.
12	05/17/84	S	0.7	B	3				TURBINE TRIP.
13	05/21/84	F	120.6	A	3				REACTOR SCRAM FOLLOWING TURBINE TRIP FROM MAIN TRANSFORMER DIFFERENTIAL CURRENT RELAY TRIP.
14	05/26/84	F	0.5	A	9				TURBINE TRIP ON MSR HIGH LEVEL.
15	05/27/84	S	17.2	B	9				TURBINE TRIP TO PERFORM MAINTENANCE ON #3 BYPASS VALVE.

SUMMARY

LASALLE 2 OPERATED ROUTINELY IN POWER ASCENSION DURING MAY.

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)

****
* LASALLE 2 *
****

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.....W. GULDEMOND

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 JANUARY 31 THROUGH FEBRUARY 3, (84-04): ROUTINE UNANNOUNCED INSPECTION OF INSTALLED COMPONENTS, AS-BUILT CONDITION OF LOCAL HVAC INSTRUMENTATION AND CONTROL PANELS, LOGIC DIAGRAMS, AND A SELECTIVE EXAMINATION OF PROCEDURES RECORDS AND DRAWING CONTROLS. THE INSPECTION INVOLVED 28 HOURS BY ONE NRC INSPECTOR. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED.

INSPECTION ON MARCH 25 THROUGH APRIL 13, (84-13): ROUTINE, UNNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OOERATIONAL SAFETY; ONSITE FOLLOWUP OF OPERATING EVENTS; LICENSEE EVENT REPORTS; INDEPENDENT INSPECTION; PERIODIC AND SPECIAL REPORTS; STARTUP TESTING; MAINTENANCE; IE BULLETINS; AND PROCEDURES. THE INSPECTION INVOLVED A TOTAL OF 151 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; TWO EXAMPLES OF ONE ITEM OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREAS.

INSPECTION ON APRIL 17 THROUGH 27, (84-14): ROUTINE UNANNOUNCED INSPECTION OF PREOPERATIONAL TEST PROCEDURE REVIEW AND PREOPERATIONAL TEST RESULTS REVIEW. THE INSPECTION INVOLVED A TOTAL OF 86 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS AND INCLUDING 13 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE TWO AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ONE AREA. WITHIN THE REMAINING AREA, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED.

INSPECTION ON APRIL 4, (84-15): METALLURGICAL EXAMINATION OF CRACKS IN FLYWHEELS FROM TWO DIESEL ENGINES. THE INSPECTION INVOLVED A TOTAL OF 8 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

STARTUP TESTING.

LAST IE SITE INSPECTION DATE: MAY 17, 1984

INSPECTION REPORT NO: 84-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-12	04/26/84	04/27/84	REACTOR MANUAL SCRAM DUE TO LOSS OF NORMAL FEEDWATER.
84-13	04/03/84	05/01/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION.
84-14	04/03/84	05/03/84	HI PRESSURE CORE SPRAY JOCKEY PUMP FAILURE.
84-15	04/11/84	05/09/84	FAILURE TO REALIZE LIMITING CONDITION OF OPERATION PRIOR TO CHANGING MODE.
84-16	04/23/84	05/16/84	REACTOR WATER CLEANUP HI AMBIENT TEMP. ISOLATION.
84-17/	05/03/84	05/23/84	REACTOR SCRAM ON LOSS OF FEEDWATER.

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 05/01/84 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	3,647.0	101,339.6
13. Hours Reactor Critical	.0	2,125.7	80,737.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	2,107.7	78,187.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	5,166,538	174,278,326
18. Gross Elec Ener (MWH)	0	1,685,100	57,038,250
19. Net Elec Ener (MWH)	0	1,626,808	54,328,510
20. Unit Service Factor	.0	57.8	77.2
21. Unit Avail Factor	.0	57.8	77.2
22. Unit Cap Factor (MDC Net)	.0	55.1	68.3*
23. Unit Cap Factor (DER Net)	.0	54.1	66.4*
24. Unit Forced Outage Rate	.0	2.0	7.5
25. Forced Outage Hours	.0	42.0	5,455.4

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

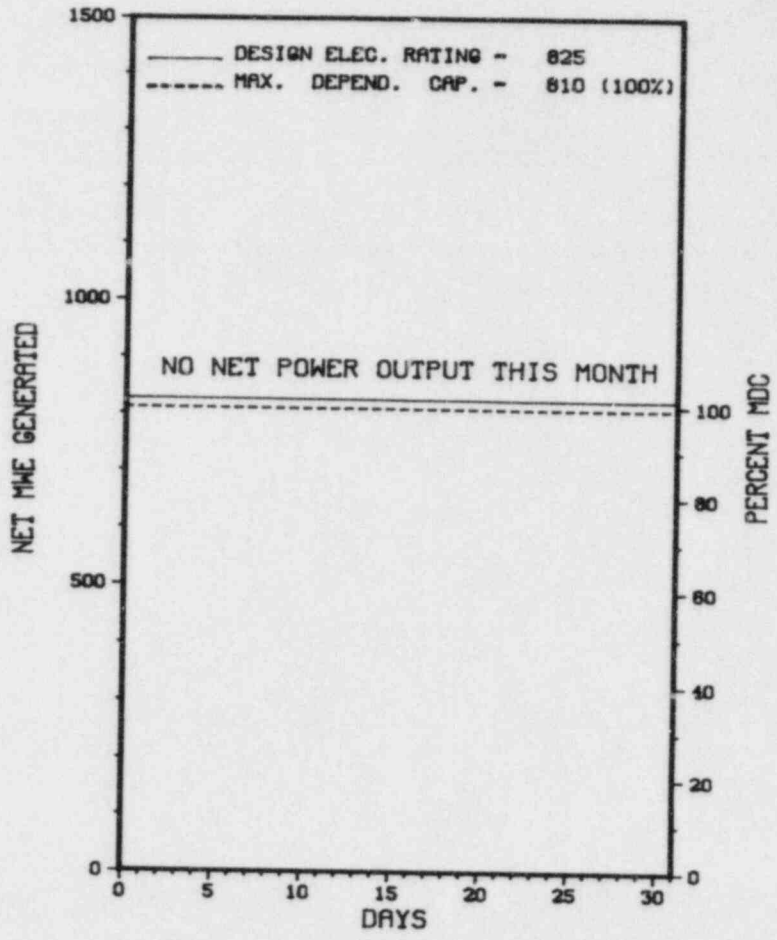
NONE

27. If Currently Shutdown Estimated Startup Date: 07/15/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

MAINE YANKEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2-84-7	03/30/84	S	744.0	C	4		RC	FUELXX	SCHEDULED REFUELING SHUTDOWN FOR CORE 7/8.

SUMMARY

MAINE YANKEE 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)

****
* 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.

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 OPERATING STATUS
2. Reporting Period: 05/01/84 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

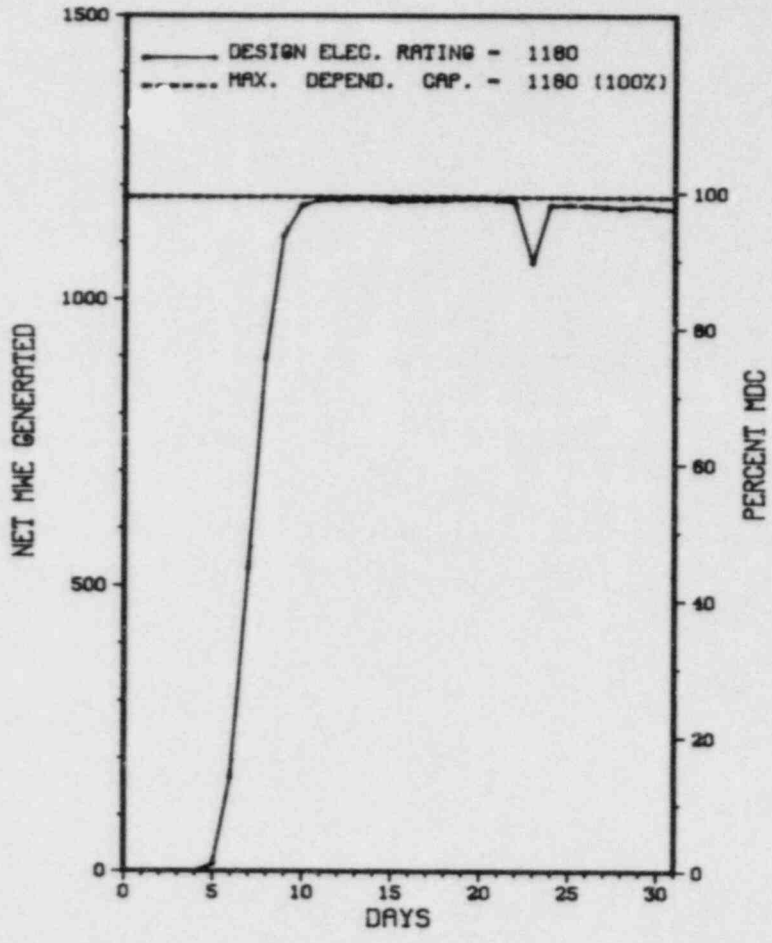
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	21,911.0
13. Hours Reactor Critical	680.0	1,975.5	14,503.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	631.0	1,920.4	13,869.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,994,665	6,107,355	33,544,424
18. Gross Elec Ener (MWH)	707,163	2,149,420	11,666,544
19. Net Elec Ener (MWH)	676,878	2,047,652	11,003,907
20. Unit Service Factor	84.8	52.7	63.3
21. Unit Avail Factor	84.8	52.7	63.3
22. Unit Cap Factor (MDC Net)	77.1	47.6	42.6
23. Unit Cap Factor (DER Net)	77.1	47.6	42.6
24. Unit Forced Outage Rate	2.8	5.2	18.7
25. Forced Outage Hours	18.4	105.9	3,191.4

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



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3A	04/28/84	F	10.2	A	4		SF	ACCUMU	UPPER HEAD INJECTION DISK RUPTURED.
3B	05/01/84	S	94.6	C	9		RC	FUELXX	END OF CYCLE 1 REFUELING OUTAGE.
4	05/05/84	F	2.7	A	1		HJ	VALVEX	RESET MOISTURE SEPARATOR REHEATER SHELL RELIEF VLAVE.
5	05/06/84	F	5.5	A	1		HJ	VALVEX	REPAIR MSR RELIEF VALVE.
6-P	05/07/84	F	0.0	B	5		RC	FUELXX	FLUX MAP.
7-P	05/08/84	F	0.0	B	5		RC	FUELXX	INCORE & EXCORE INSTRUMENT CALIBRATIONS.
8-P	05/09/84	F	0.0	B	5		RC	FUELXX	FLUX MAP.
9-P	05/12/84	F	0.0	A	5		PA	XXXXXX	LOSS OF FEEDWATER PRESSURE TO S/G DUE TO LOW INSTRUMENT AIR PRESSURE.
10-P	05/23/84	F	0.0	A	5		CC	INSTRU	WORK ON S/G RANGE LEVEL CHANNEL.

****
* SUMMARY *
****

MCGUIRE 1 RETURNED ONLINE FROM A REPAIR OUTAGE ON MAY 5TH AND OPERATED NORMALLY THE REST OF THE MONTH.

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

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
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

+ ENFORCEMENT CONFERENCE MAY 9 (84-10): THIS CONFERENCE WAS HELD TO DISCUSS THE FOLLOWING ITEMS: IMPROPER RESTORATION OF SAFETY-RELATED EQUIPMENT; FAILURE TO IMPLEMENT REMOVAL AND RESTORATION PROCEDURES AND FAILURE TO PERFORM LOCAL INDEPENDENT VERIFICATION FOR PERFORMANCE OF OPERATING ACTIVITIES. DETAILS OF THE EVENT ARE DESCRIBED IN NRC INSPECTION REPORT 50-369/84-10.

INSPECTION MAY 1-4 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREA OF POST-REFUELING STARTUP TESTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE MAY 9 (84-15): THIS CONFERENCE WAS HELD TO DISCUSS THE FOLLOWING ITEMS: IMPROPER RESTORATION OF SAFETY-RELATED EQUIPMENT; FAILURE TO IMPLEMENT REMOVAL AND RESTORATION PROCEDURES; AND FAILURE TO PERFORM LOCAL INDEPENDENT VERIFICATION FOR PERFORMANCE OF OPERATING ACTIVITIES. DETAILS OF THE EVENT ARE DESCRIBED IN NRC INSPECTION REPORT 50-369/84-10.

ENFORCEMENT SUMMARY

NONE

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: MAY 1 - 4, 1984 +

INSPECTION REPORT NO: 50-369/84-12 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-005/ - -	03/02/84	04/02/84	DRILL BIT STRUCK SOME WIRE INSIDE CABINET, CAUSING A SHORT CIRCUIT, DUE TO PERSONNEL ERROR.
84-006 - -	03/05/84	04/04/84	D/G 1B, 2A & 2B EXPERIENCED AN INVALID AUTO. START, DUE TO AN UNUSUAL SERVICE CONDITION.
84-009/ - -	03/14/84	04/24/84	POSSIBLE LACK OF CONTAINMENT INTERGRITY, DUE TO ADMINISTRATIVE DEFICIENCY.
84-010/ - -	03/28/84	04/27/84	D/G 1B EXPERIENCED AN INVALID AUTO. START, DUE TO AN UNUSUAL SERVICE CONDITION.
84-011/ - -	03/29/84	04/30/84	D/G 1A EXPERIENCED AN INVALID AUTO. START, ATTRIBUTED TO COMPONENT FAILURE DUE TO DIODE IN THE TRIP MONITOR.
84-012/ - -	03/30/84	04/30/84	D/G 1A EXPERIENCED AN AUTO. START SIGNAL, DUE TO A 4160 VOLT EMERGENCY BUS# ETA BLACKOUT, DUE TO PERSONNEL ERROR.

1. Docket: 50-370 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	2,207.0	2,207.0
13. Hours Reactor Critical	641.9	2,043.4	2,043.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	637.0	2,029.8	2,029.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,131,577	6,740,253	6,740,253
18. Gross Elec Ener (MWH)	757,383	2,409,181	2,409,181
19. Net Elec Ener (MWH)	728,697	2,321,390	2,321,390
20. Unit Service Factor	85.6	92.0	92.0
21. Unit Avail Factor	85.6	92.0	92.0
22. Unit Cap Factor (MDC Net)	83.0	89.1	89.1
23. Unit Cap Factor (DER Net)	83.0	89.1	89.1
24. Unit Forced Outage Rate	3.1	4.3	4.3
25. Forced Outage Hours	20.4	90.6	90.6

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

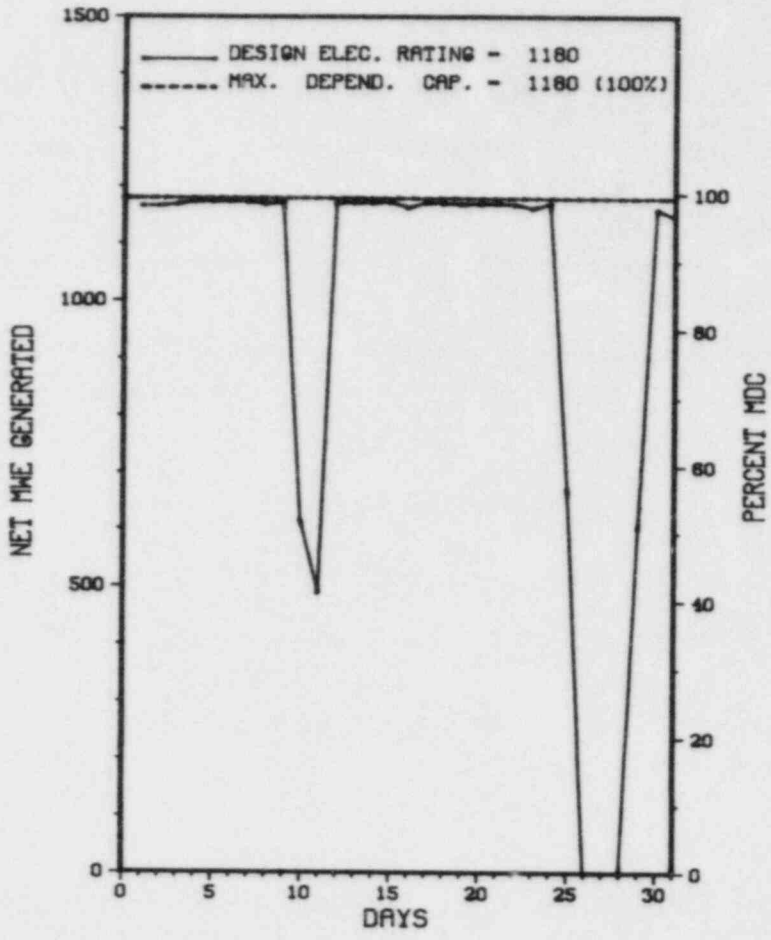
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16-P	05/08/84	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REDUCTION
5	05/10/84	F	10.4	A	3		CC	VALVEX	STEAM GENERATOR LOW-LOW LEVEL CAUSED BY FEEDWATER SWING.
6	05/11/84	F	10.0	A	3		CC	VALVEX	ISOLATE LEAKING FEEDWATER CHECK VALVE.
17-P	05/11/84	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REDUCTION
18-P	05/16/84	F	0.0	B	5		IA	INSTRU	TESTING ON PROTECTION SYSTEM CABINET
19-P	05/22/84	F	0.0	A	5		HA	INSTRU	TURBINE CONTROL PROBLEMS
20-P	05/23/84	S	0.0	E	5		ZZ	ZZZZZZ	OPERATOR TRAINING REQUIREMENTS
21-P	05/23/84	F	0.0	B	5		IA	INSTRU	TESTING ON PROTECTION SYSTEM CABINETS.
7	05/25/84	S	86.6	B	3		ZZ	ZZZZZZ	UNIT LOSS OF ELECTRICAL LOAD TEST & MAINTENANCE WORK.
22-P	05/29/84	F	0.0	A	5		RC	INSTRU	ADJUST EXCORE INSTRUMENTATION.
23-P	05/30/84	F	0.0	A	5		IB	INSTRU	INVESTIGATE REACTOR COOLANT PUMP LOOP AVERAGE TEMPERATURE PROBLEM.
24-P	05/31/84	F	0.0	A	5		HA	INSTRU	TURBINE CONTROL PROBLEM

****
* SUMMARY *
****

MCGUIRE 2 OPERATED ROUTINELY DURING MAY.

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

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

FACILITY DATA

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 1-4 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREA OF POST-REFUELING STARTUP TESTS. 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: MAY 1-9, 1984 +

INSPECTION REPORT NO: 50-370/84-10 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009/--	03/19/84	04/18/84	REACTOR TRIP INITIATED BY A S/G A LO-LO LEVEL, DUE TO A FAILED NLP CARD.

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

2. Reporting Period: 05/01/84 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	3,647.0	118,391.0
13. Hours Reactor Critical	.0	2,505.0	89,269.5
14. Rx Reserve Shtdwn Hrs	.0	.0	2,775.8
15. Hrs Generator On-Line	.0	2,498.2	86,515.4
16. Unit Reserve Shtdwn Hrs	.0	.0	26.5
17. Gross Therm Ener (MWH)	0	4,899,866	157,948,734
18. Gross Elec Ener (MWH)	0	1,676,200	53,039,396
19. Net Elec Ener (MWH)	-2,966	1,595,808	50,577,065
20. Unit Service Factor	.0	68.5	73.1
21. Unit Avail Factor	.0	68.5	73.1
22. Unit Cap Factor (MDC Net)	.0	66.9	65.3
23. Unit Cap Factor (DER Net)	.0	66.3	64.7
24. Unit Forced Outage Rate	.0	.0	13.7
25. Forced Outage Hours	.0	.0	5,673.7

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

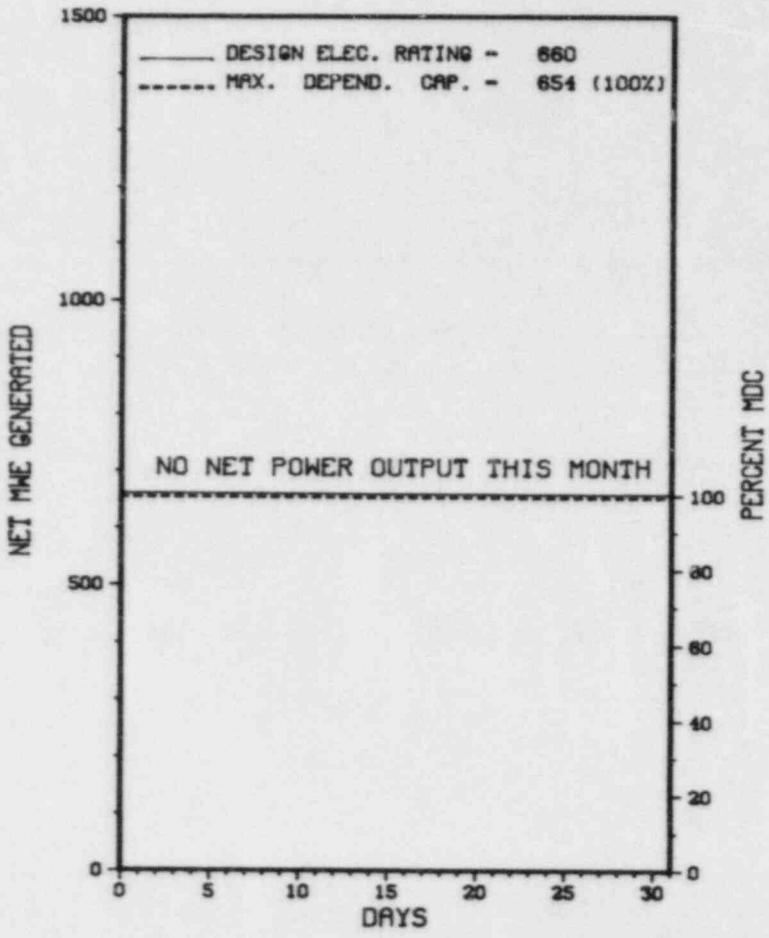
NONE

27. If Currently Shutdown Estimated Startup Date: 07/01/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

MILLSTONE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2A	04/14/84	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

SUMMARY

MILLSTONE 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

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

FACILITY DATA

Report Period MAY 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 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):

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: 05/01/84 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	3,647.0	73,919.0
13. Hours Reactor Critical	744.0	3,523.9	51,888.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,166.9
15. Hrs Generator On-Line	744.0	3,221.1	49,403.0
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	1,998,215	8,222,443	124,538,819
18. Gross Elec Ener (MWH)	651,100	2,661,701	40,459,073
19. Net Elec Ener (MWH)	628,150	2,551,902	38,768,650
20. Unit Service Factor	100.0	88.3	66.8
21. Unit Avail Factor	100.0	88.3	67.5
22. Unit Cap Factor (MDC Net)	98.2	81.4	62.3*
23. Unit Cap Factor (DER Net)	97.0	80.4	61.5*
24. Unit Forced Outage Rate	.0	5.1	18.3
25. Forced Outage Hours	.0	173.4	9,796.2

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

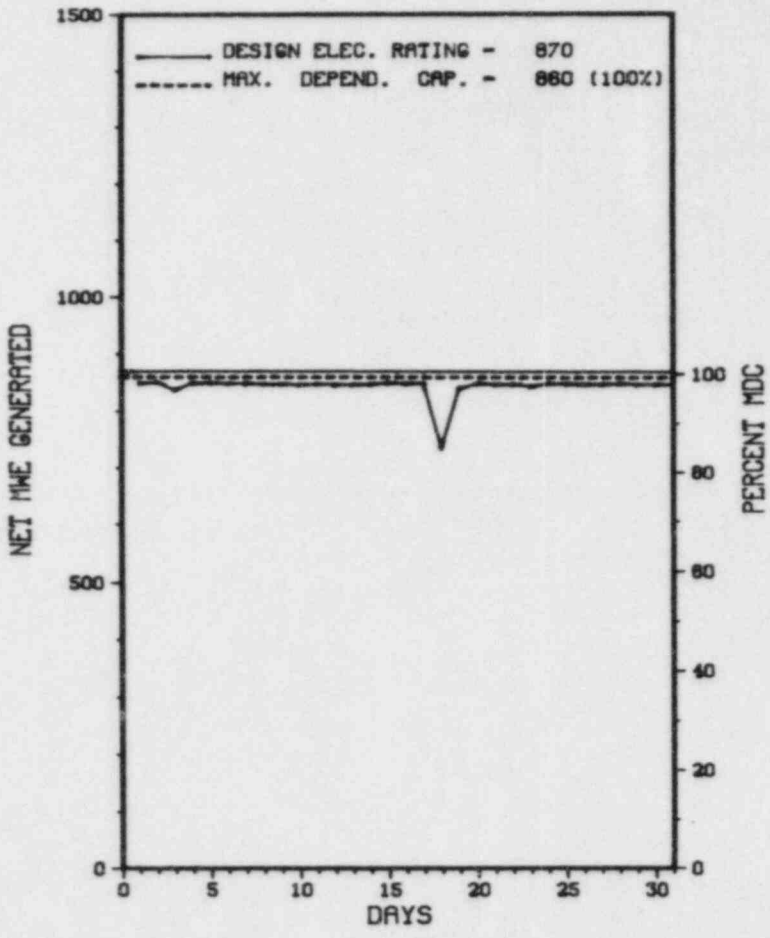
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

MILLSTONE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	05/18/84	F	0.0	H	5				WHILE AT 100% POWER AND DURING CEA MOTION TESTING, CEA #22 DROPPED FULLY INTO THE CORE. POWER WAS REDUCED TO <70% POWER AND CEA WAS RECOVERED.

SUMMARY

MILLSTONE 2 OPERATED AT FULL POWER WITH 1 REDUCTION DURING MAY.

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

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

FACILITY DATA

Report Period MAY 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):

****
* 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 OPERATING STATUS

2. Reporting Period: 05/01/84 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	3,647.0	113,256.0
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)	-1,148	275,521	43,187,827
20. Unit Service Factor	.0	22.2	77.7
21. Unit Avail Factor	.0	22.2	77.7
22. Unit Cap Factor (MDC Net)	.0	14.4	72.6
23. Unit Cap Factor (DER Net)	.0	13.9	70.0
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):

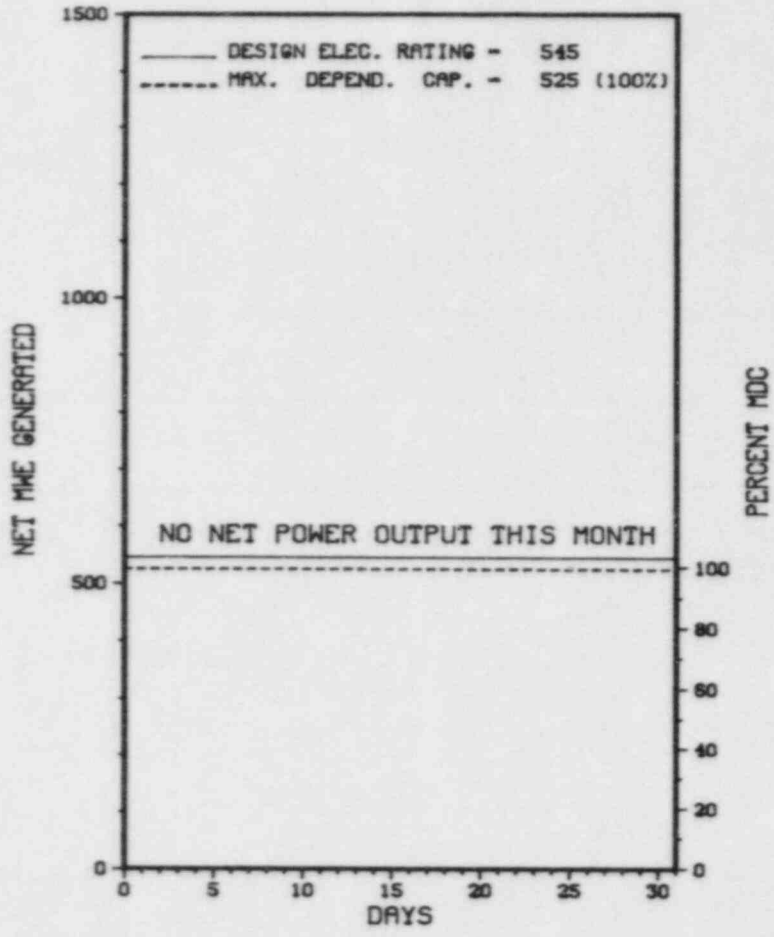
NONE

27. If Currently Shutdown Estimated Startup Date: 10/24/84

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



MAY 1984

Report Period MAY 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 OUTAGE.

****
* SUMMARY *
****

MONTICELLO REMAINS SHUTDOWN 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)

****
* MONTICELLO *
****

FACILITY DATA

Report Period MAY 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 MARCH 2 - APRIL 7, (84-04): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF IE BULLETINS; IE INFORMATION NOTICE; MAINTENANCE DURING THE OUTAGE; INDEPENDENT INSPECTION EFFORT DURING A LONG OUTAGE; AND ONSITE REVIEW COMMITTEE. THE INSPECTION INVOLVED A TOTAL OF 144.5 INSPECTOR-HOURS BY 2 NRC INSPECTORS INCLUDING 27 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 5-8, 26-28 AND APRIL 24-25, (84-06): INSERVICE INSPECTION (ISI) ACTIVITIES; LICENSEE ACTION ON IE BULLETINS; AND RECIRCULATION SYSTEM PIPING REPLACEMENT. THIS INSPECTION INVOLVED A TOTAL OF 68 INSPECTION-HOURS ONSITE BY 3 NRC INSPECTORS INCLUDING 24 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 8 - MAY 1, (84-08): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; IE CIRCULARS; PREVIOUS ENFORCEMENT ACTIONS; TMI NUREG-0737 ITEMS; ONSITE REVIEW COMMITTEE; AND LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 92 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR INCLUDING 26 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE 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: JUNE 1-30, 1984

INSPECTION REPORT NO: 84-12

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-11	02/18/84	05/15/84	CRACK INDICATIONS OF PRIMARY SYSTEM PRESSURE BOUNDARY PIPING.
84-16	04/08/84	05/08/84	SPURIOUS FUEL POOL MONITOR TRIP.
84-17	04/25/84	05/25/84	E-MODE OF EFT ACTUATED BY AMMONIA MONITOR.
84-19	04/27/84	05/29/84	E-MODE OF EFT ACTUATED BY CHLORINE DETECTOR.

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

2. Reporting Period: 05/01/84 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	3,647.0	127,823.0
13. Hours Reactor Critical	.0	1,828.5	88,131.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,204.2
15. Hrs Generator On-Line	.0	1,825.5	85,313.6
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	0	3,062,522	141,156,879
18. Gross Elec Ener (MWH)	0	1,034,284	46,666,066
19. Net Elec Ener (MWH)	0	1,001,923	45,196,682
20. Unit Service Factor	.0	50.1	66.7
21. Unit Avail Factor	.0	50.1	66.8
22. Unit Cap Factor (MDC Net)	.0	45.0	58.0
23. Unit Cap Factor (DER Net)	.0	44.3	57.0
24. Unit Forced Outage Rate	.0	.0	17.1
25. Forced Outage Hours	.0	.0	12,940.9

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

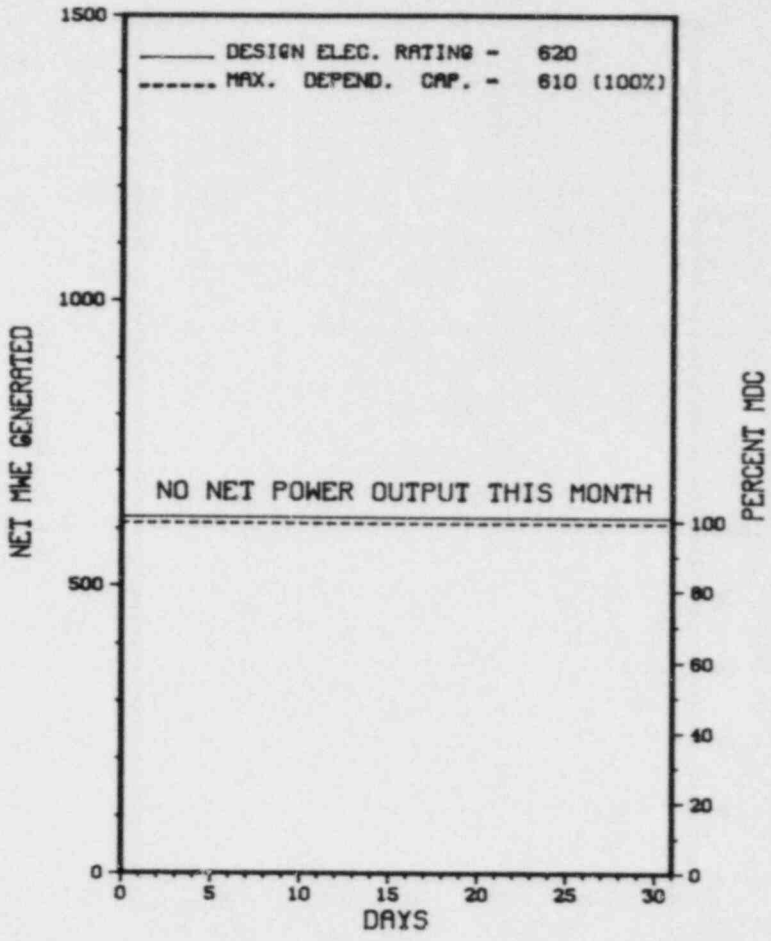
NONE

27. If Currently Shutdown Estimated Startup Date: 06/10/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

NINE MILE POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	03/17/84	S	744.0	C	4		RC	FUELXX	UNIT SHUTDOWN FOR BIENNIAL REFUEL AND OVERHAUL CONTINUES.

SUMMARY

NINE MILE POINT 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

****
* 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

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. HUDSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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: 05/01/84 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): 883
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

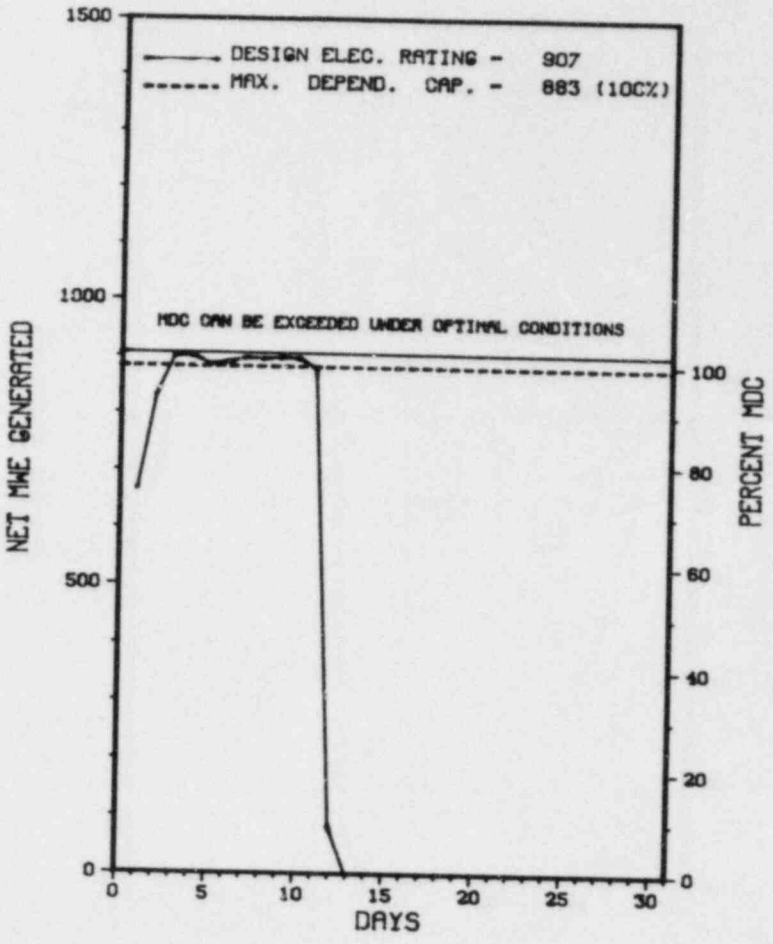
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	52,488.0
13. Hours Reactor Critical	270.7	2,442.3	36,029.4
14. Rx Reserve Shtdwn Hrs	.0	7.1	2,182.8
15. Hrs Generator On-Line	269.2	2,420.0	35,081.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	713,414	6,596,736	91,652,513
18. Gross Elec Ener (MWH)	243,546	2,238,267	29,622,453
19. Net Elec Ener (MWH)	231,268	2,126,605	27,957,819
20. Unit Service Factor	36.2	66.4	66.8
21. Unit Avail Factor	36.2	66.4	66.8
22. Unit Cap Factor (MDC Net)	35.2	66.0	60.3
23. Unit Cap Factor (DER Net)	34.3	64.3	58.7
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
27. If Currently Shutdown Estimated Startup Date: 07/18/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-13	05/01/84	S	0.0	B	5				UNIT 1 RAMPED DOWN BECAUSE "A" SHUTDOWN BANK RODS MISALIGNED - REPAIRED. UNIT RETURNED TO 100% POWER.
84-14	05/11/84	S	474.8	C	1		RC	FUELXX	UNIT 1 RAMPED DOWN FOR SCHEDULED SPRING REFUELING. ENDED THIS MONTH WITH UNIT IN MODE 5. EXPECTED DATE TO RETURN ON-LINE IS JULY 18, 1984.

SUMMARY

NORTH ANNA 1 SHUTDOWN FOR REFUELING AND MAINTENANCE ON MAY 11TH.

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 1 *
****

FACILITY DATA

Report Period MAY 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 APRIL 16-17 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT TOURS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE APRIL 17 (84-11): THIS CONFERENCE WAS HELD IN REGION II OFFICE, AT 1:00 P.M. MR. JAMES P. O'REILLY OPENED THE MEETING AND THEN MR. J. H. FERGUSON, MR. W. L. STEWART, MR. W. R. CARTWRIGHT, MR. E. W. HARRELL, AND MR. J. L. WILSON PRESENTED VIRGINIA ELECTRIC AND POWER COMPANY'S DESCRIPTION OF SEVERAL ITEMS OF CONCERN THAT WERE IDENTIFIED DURING RECENT NRC INSPECTIONS AT THE NORTH ANNA AND SURRY FACILITIES. THE DETAILS OF THE NRC FINDINGS WILL BE DESCRIBED IN NRC REPORTS 50-338/84-06, 50-339/84-06, 50-280/84-10, 50-281/84-10, 50-280/84-11 AND 50-281/84-11. THE ISSUES LISTED WERE DISCUSSED FOR SAFETY SIGNIFICANCE AND CORRECTIVE ACTIONS TO PREVENT RECURRENCE: SURRY SNUBBER INSPECTION PROGRAM (THE ESTABLISHMENT OF SNUBBER SERVICE LIFE AS REQUIRED BY TECHNICAL SPECIFICATIONS WAS NOT FULLY IMPLEMENTED.); NORTH ANNA AND SURRY REACTOR VESSEL HEAD VENTS (THE FUNCTIONAL OPERABILITY OF THE HEAD VENTS WAS DELAYED DUE TO MISINTERPRETATION OF THE 10 CFR 50.44 RULE REQUIREMENTS. THIS RESULTED IN MANUAL ISOLATION VALVES BEING CLOSED AND PROCEDURAL AND TRAINING REQUIREMENT DELAYS.); QUALITY ASSURANCE PROGRAM (QA INVOLVEMENT IN PLANT AND CORPORATE ACTIVITIES SHOULD HAVE PREVENTED THESE OCCURRENCES.); REACTOR TRIP BREAKER MAINTENANCE (TIMELY INCORPORATION OF VENDOR RECOMMENDATIONS IN BREAKER MAINTENANCE PROCEDURES WILL BE FURTHER REVIEWED).

ENFORCEMENT SUMMARY

NONE

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: APRIL 17, 1984 +

INSPECTION REPORT NO: 50-338/84-11 +

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: 05/01/84 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	3,647.0	30,359.0
13. Hours Reactor Critical	702.6	3,308.8	22,955.7
14. Rx Reserve Shtdwn Hrs	5.3	14.6	2,254.6
15. Hrs Generator On-Line	673.3	3,230.3	22,508.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,829,098	8,396,356	58,817,416
18. Gross Elec Ener (MWH)	609,091	2,762,005	19,498,372
19. Net Elec Ener (MWH)	577,798	2,618,664	18,470,746
20. Unit Service Factor	90.5	88.6	74.1
21. Unit Avail Factor	90.5	88.6	74.1
22. Unit Cap Factor (MDC Net)	87.3	80.7	68.4
23. Unit Cap Factor (DER Net)	85.6	79.2	67.1
24. Unit Forced Outage Rate	.0	3.6	13.7
25. Forced Outage Hours	.0	121.0	3,568.5

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

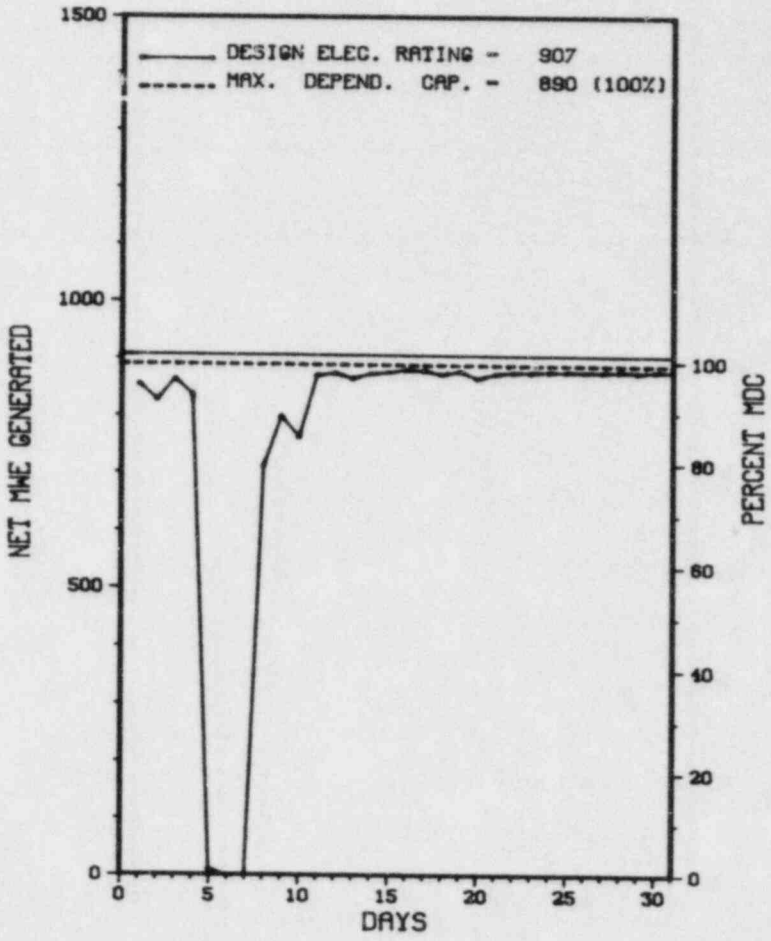
REFUELING OUTAGE SCHEDULED 08-17-84

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-24	05/01/84	S	0.0	H	5				UNIT 2 RAMPED DOWN FOR LOAD FOLLOWING PER SYSTEM OPERATOR. UNIT RETURNED TO 100% POWER.
84-25	05/02/84	S	0.0	H	5				UNIT 2 RAMPED DOWN FOR LOAD FOLLOWING PER SYSTEM OPERATOR. UNIT RETURNED TO FULL POWER.
84-26	05/05/84	S	70.7	B	1	84-003			UNIT 2 RAMPED DOWN FOR TESTING OF THE REACTOR TRIP BREAKERS. TESTING COMPLETED AND UNIT RETURNED TO FULL POWER.
84-27	05/09/84	S	0.0	H	5				UNIT 2 RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO 100% POWER.
84-28	05/10/84	S	0.0	H	5				UNIT 2 RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-29	05/11/84	S	0.0	H	5				UNIT 2 RAMPED DOWN FOR LOAD FOLLOWING. UNIT RETURNED TO FULL POWER.
84-30	05/13/84	S	0.0	B	5				UNIT 2 RAMPED DOWN FOR TURBINE VALVE FREEDOM TEST. UNIT 2 RETURNED TO 100% POWER.

SUMMARY

NORTH ANNA 2 OPERATED WITH 1 OUTAGE AND 6 REDUCTIONS DURING MAY.

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)

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

FACILITY DATA

Report Period MAY 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 APRIL 16-17 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT TOURS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE APRIL 17 (84-11): THIS CONFERENCE WAS HELD IN REGION II OFFICE, AT 1:00 P.M. MR. JAMES P. O'REILLY OPENED THE MEETING AND THEN MR. J. H. FERGUSON, MR. W. L. STEWART, MR. W. R. CARTWRIGHT, MR. E. W. HARRELL, AND MR. J. L. WILSON PRESENTED VIRGINIA ELECTRIC AND POWER COMPANY'S DESCRIPTION OF SEVERAL ITEMS OF CONCERN THAT WERE IDENTIFIED DURING RECENT NRC INSPECTIONS AT THE NORTH ANNA AND SURRY FACILITIES. THE DETAILS OF THE NRC FINDINGS WILL BE DESCRIBED IN NRC REPORTS 50-338/84-06, 50-339/84-06, 50-280/84-10, 50-281/84-10, 50-280/84-11 AND 50-281/84-11. THE ISSUES LISTED WERE DISCUSSED FOR SAFETY SIGNIFICANCE AND CORRECTIVE ACTIONS TO PREVENT RECURRENCE: SURRY SNUBBER INSPECTION PROGRAM (THE ESTABLISHMENT OF SNUBBER SERVICE LIFE AS REQUIRED BY TECHNICAL SPECIFICATIONS WAS NOT FULLY IMPLEMENTED.); NORTH ANNA AND SURRY REACTOR VESSEL HEAD VENTS (THE FUNCTIONAL OPERABILITY OF THE HEAD VENTS WAS DELAYED DUE TO MISINTERPRETATION OF THE 10 CFR 50.44 RULE REQUIREMENTS. THIS RESULTED IN MANUAL ISOLATION VALVES BEING CLOSED AND PROCEDURAL AND TRAINING REQUIREMENT DELAYS.); QUALITY ASSURANCE PROGRAM (QA INVOLVEMENT IN PLANT AND CORPORATE ACTIVITIES SHOULD HAVE PREVENTED THESE OCCURRENCES.); REACTOR TRIP BREAKER MAINTENANCE (TIMELY INCORPORATION OF VENDOR RECOMMENDATIONS IN BREAKER MAINTENANCE PROCEDURES WILL BE FURTHER REVIEWED).

ENFORCEMENT SUMMARY

NONE

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: APRIL 17, 1984 +

INSPECTION REPORT NO: 50-339/84-11 +

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: 05/01/84 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

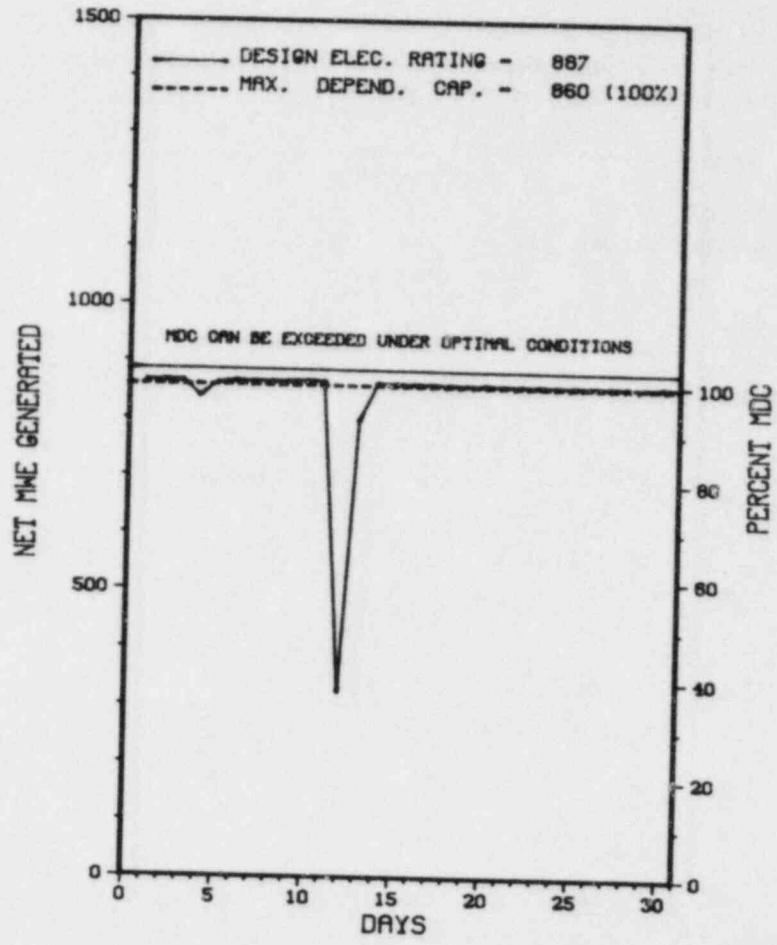
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	95,352.0
13. Hours Reactor Critical	737.9	3,622.1	68,163.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	733.9	3,614.0	65,003.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,860,377	9,240,600	155,538,632
18. Gross Elec Ener (MWH)	656,620	3,247,290	54,115,520
19. Net Elec Ener (MWH)	628,150	3,108,406	51,273,957
20. Unit Service Factor	98.6	99.1	68.2
21. Unit Avail Factor	98.6	99.1	68.2
22. Unit Cap Factor (MDC Net)	98.2	99.1	62.4*
23. Unit Cap Factor (DER Net)	95.2	96.1	60.7*
24. Unit Forced Outage Rate	1.4	.9	16.7
25. Forced Outage Hours	10.1	33.0	12,080.6

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

****
* OCONEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8-P	05/04/84	S	0.0	B	5		CC	VALVEX	TURBINE & TURBINE CONTROL VALVE AND CONTROL ROD DRIVE MOVEMENT PT'S.
2	05/12/84	F	10.1	A	3		IB	INSTRU	HIGH PRESSURE INITIATED BY BTU LIMIT FROM HOTLEG TEMPERATURE INSTRUMENT MALFUNCTION.
9-P	05/12/84	F	0.0	A	5		HH	VALVEX	HEATER DRAIN PUMP DISCHARGE VALVE PROBLEMS.

SUMMARY

OCONEE 1 OPERATED WITH 2 REDUCTIONS AND 1 OUTAGE DURING MAY.

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)

****
* OCONEE 1 *
****

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 APRIL 9-13 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS CONTROLS FOR UNIT 3 OUTAGE, EXPOSURE CONTROL, RESPIRATOR QUALIFICATION, HIGH RADIATION AREA CONTROLS, POSTING OF CONTROLLED AREAS AND POST ACCIDENT SAMPLING SYSTEM STATUS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 11 - APRIL 17 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 72 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PROCUREMENT, SHUTDOWN AND REFUELING OPERATIONS, LER REVIEW, IE BULLETIN FOLLOWUP, AND NUREG 0737 ITEM REVIEWS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 24-27 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 RC PUMP 3A1 MOTOR STAND REPAIR, ISI PROCEDURE REVIEW, ISI WORK OBSERVATION, ISI REVIEW AND EVALUATION OF RECORDS, CORE BARREL BOLTS INSPECTION, AND HPI THERMAL SLEEVE EXAMINATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.201(B) REQUIRES A LICENSEE TO MAKE SUCH SURVEYS AS MAY BE NECESSARY TO COMPLY WITH THE REGULATION IN EACH SECTION OF 10 CFR 20. A "SURVEY" IS DEFINED IN 10 CFR 20.201(A) AS AN ELEVATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE,

ENFORCEMENT SUMMARY

RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAKE SUCH SURVEYS AS WERE NECESSARY TO ENSURE THAT PERSONNEL EXPOSURES TO RADIATION WERE PROPERLY RECORDED. APPROXIMATELY TEN PERCENT OF THE EXTREMITY MONITORING DOSIMETER DATA FOR THE MONTHS OF MARCH AND APRIL 1984 WAS LOST FROM THE SYSTEM AND A SIMILAR POTENTIAL EXITED FOR WHOLE BODY EXPOSURE DATA. 10 CFR 20.201(B) REQUIRES A LICENSEE TO MAKE SUCH SURVEYS AS MAY BE NECESSARY TO COMPLY WITH THE REGULATION IN EACH SECTION OF 10 CFR 20. A "SURVEY" IS DEFINED IN 10 CFR 20.201(A) AS AN ELEVATION 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. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAKE SUCH SURVEYS AS WERE NECESSARY TO ENSURE THAT PERSONNEL EXPOSURES TO RADIATION WERE PROPERLY RECORDED. APPROXIMATELY TEN PERCENT OF THE EXTREMITY MONITORING DOSIMETER DATA FOR THE MONTHS OF MARCH AND APRIL 1984 WAS LOST FROM THE SYSTEM AND A SIMILAR POTENTIAL EXITED FOR WHOLE BODY EXPOSURE DATA. 10 CFR 20.201(B) REQUIRES A LICENSEE TO MAKE SUCH SURVEYS AS MAY BE NECESSARY TO COMPLY WITH THE REGULATION IN EACH SECTION OF 10 CFR 20. A "SURVEY" IS DEFINED IN 10 CFR 20.201(A) AS AN ELEVATION 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. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT MAKE SUCH SURVEYS AS WERE NECESSARY TO ENSURE THAT PERSONNEL EXPOSURES TO RADIATION WERE PROPERLY RECORDED. APPROXIMATELY TEN PERCENT OF THE EXTREMITY MONITORING DOSIMETER DATA FOR THE MONTHS OF MARCH AND APRIL 1984 WAS LOST FROM THE SYSTEM AND A SIMILAR POTENTIAL EXITED FOR WHOLE BODY EXPOSURE DATA.
(8407 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 24-27, 1984 +

INSPECTION REPORT NO: 50-269/84-09

Report Period MAY 1984

REPORTS FROM LICENSEE

OCONEE 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-270 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	85,272.0
13. Hours Reactor Critical	744.0	3,647.0	60,960.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,647.0	59,807.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,901,266	9,362,567	141,853,233
18. Gross Elec Ener (MWH)	654,340	3,229,330	48,334,186
19. Net Elec Ener (MWH)	627,877	3,099,152	45,910,721
20. Unit Service Factor	100.0	100.0	70.1
21. Unit Avail Factor	100.0	100.0	70.1
22. Unit Cap Factor (MDC Net)	98.1	98.8	62.4*
23. Unit Cap Factor (DER Net)	95.1	95.8	60.8*
24. Unit Forced Outage Rate	.0	.0	15.6
25. Forced Outage Hours	.0	.0	10,256.1

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

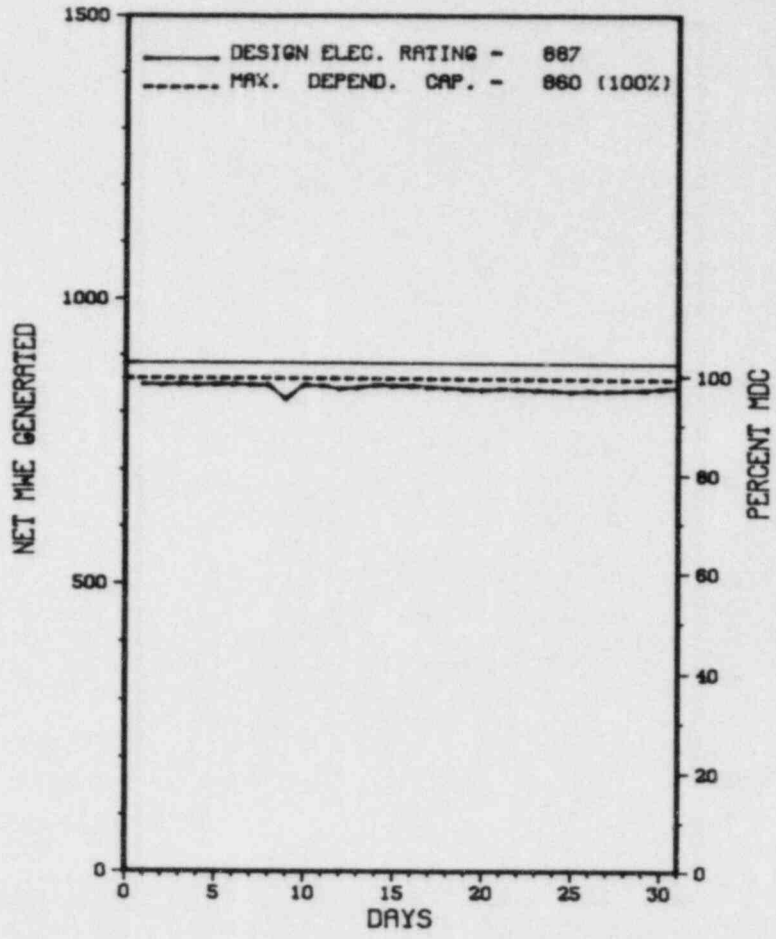
NONE

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

****
* OCONEE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* OCONEE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6-P	05/09/84	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE PT'S.

****
* SUMMARY *
****

OCONEE 2 OPERATED AT NEAR FULL POWER WITH 1 REDUCTION DURING MAY.

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

****
* OCONEE 2 *
****

FACILITY DATA

Report Period MAY 1984

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 APRIL 9-13 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS CONTROLS FOR UNIT 3 OUTAGE, EXPOSURE CONTROL, RESPIRATOR QUALIFICATION, HIGH RADIATION AREA CONTROLS, POSTING OF CONTROLLED AREAS AND POST ACCIDENT SAMPLING SYSTEM STATUS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 11 - APRIL 17 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 73 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PROCUREMENT, SHUTDOWN AND REFUELING OPERATIONS, LER REVIEW, IE BULLETIN FOLLOWUP, AND NUREG 0737 ITEM REVIEWS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 24-27 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 10 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 RC PUMP 3A1 MOTOR STAND REPAIR, ISI PROCEDURE REVIEW, ISI WORK OBSERVATION, ISI REVIEW AND EVALUATION OF RECORDS, CORE BARREL BOLTS INSPECTION, AND HPI THERMAL SLEEVE EXAMINATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

****
* OCONEE 2 *
****

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: APRIL 24-27, 1984 +

INSPECTION REPORT NO: 50-270/84-09

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: 50-287 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	82,919.0
13. Hours Reactor Critical	147.3	1,767.1	58,477.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	125.2	1,740.7	57,324.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	169,124	4,217,160	139,709,723
18. Gross Elec Ener (MWH)	62,470	1,460,020	48,274,614
19. Net Elec Ener (MWH)	52,913	1,388,856	45,955,974
20. Unit Service Factor	16.8	47.7	69.1
21. Unit Avail Factor	16.8	47.7	69.1
22. Unit Cap Factor (MDC Net)	8.3	44.3	64.3*
23. Unit Cap Factor (DER Net)	8.0	42.9	62.6*
24. Unit Forced Outage Rate	.0	.2	14.8
25. Forced Outage Hours	.0	3.0	10,145.0

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

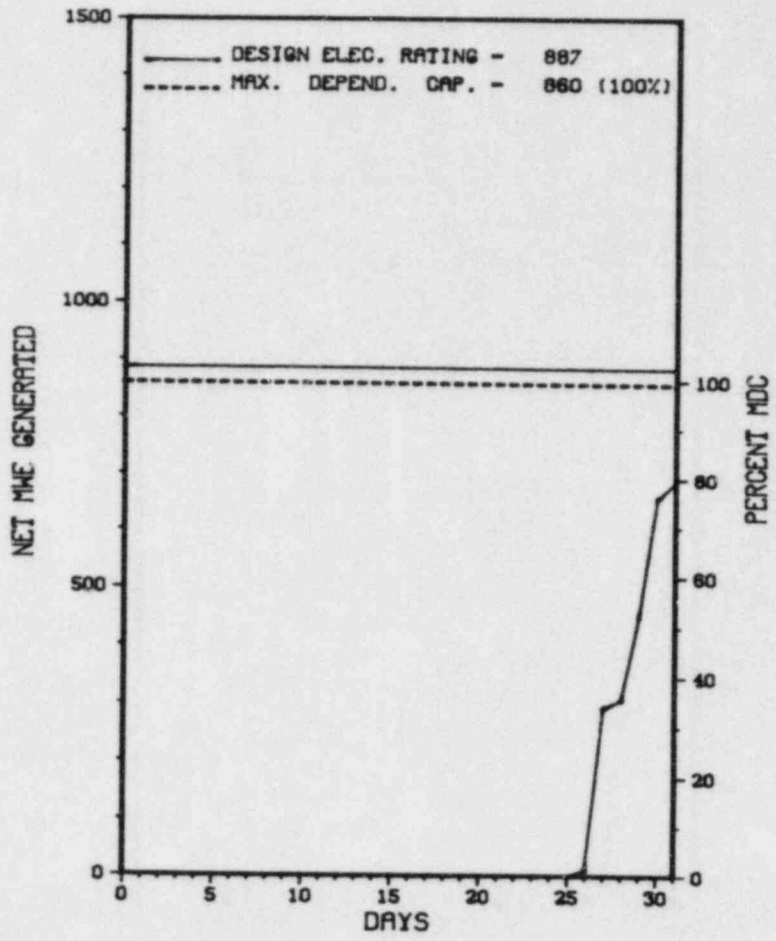
NONE

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

****
* OCONEE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* OCONEE 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/08/84	S	618.8	C	4		RC	FUELXX	END OF CYCLE 7 REFUELING OUTAGE.
3-P	05/27/84	S	0.0	B	5		RC	FUELXX	POWER ESCALATION PHYSICS TESTING AT 40% POWER.
4-P	05/29/84	S	0.0	B	5		RC	FUELXX	POWER ESCALATION PHYSICS TESTING AT 60% POWER.
5-P	05/29/84	S	0.0	B	5		RC	FUELXX	POWER ESCALATION PHYSICS TESTING AT 75% POWER.
6-P	05/31/84	F	0.0	A	5		HH	PUMPXX	REPAIR MECHANICAL SEALS ON HEATER DRAIN PUMP.

****
* SUMMARY *
****

OCONEE 3 RETURNED ONLINE FROM REFUELING ON MAY 26TH AND OPERATED WITH 4 REDUCTIONS THE REMAINDER OF MAY.

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

****
* OCONEE 3 *
****

FACILITY DATA

Report Period MAY 1984

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 APRIL 9-13 (84-07): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF HEALTH PHYSICS CONTROLS FOR UNIT 3 OUTAGE, EXPOSURE CONTROL, RESPIRATOR QUALIFICATION, HIGH RADIATION AREA CONTROLS, POSTING OF CONTROLLED AREAS AND POST ACCIDENT SAMPLING SYSTEM STATUS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA.

INSPECTION MARCH 11 - APRIL 17 (84-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 73 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, PROCUREMENT, SHUTDOWN AND REFUELING OPERATIONS, LER REVIEW, IE BULLETIN FOLLOWUP, AND NUREG 0737 ITEM REVIEWS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 16-18 AND 23-27 (84-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 76 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOUR, PREPARATION FOR REFUELING ACTIVITIES. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION APRIL 24-27 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS IN THE AREAS OF UNIT 3 RC PUMP 3A1 MOTOR STAND REPAIR, ISI PROCEDURE REVIEW, ISI WORK OBSERVATION, ISI REVIEW AND EVALUATION OF RECORDS, CORE BARREL BOLTS INSPECTION, AND HPI THERMAL SLEEVE EXAMINATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

****
* OCONEE 3 *
****

ENFORCEMENT SUMMARY

NONE

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: APRIL 24-27, 1984 +

INSPECTION REPORT NO: 50-287/84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 05/01/84 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	3,647.0	126,575.0
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)	-2,116	-7,837	44,277,846
20. Unit Service Factor	.0	.0	65.3
21. Unit Avail Factor	.0	.0	65.3
22. Unit Cap Factor (MDC Net)	.0	.0	56.4*
23. Unit Cap Factor (DER Net)	.0	.0	53.8
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):

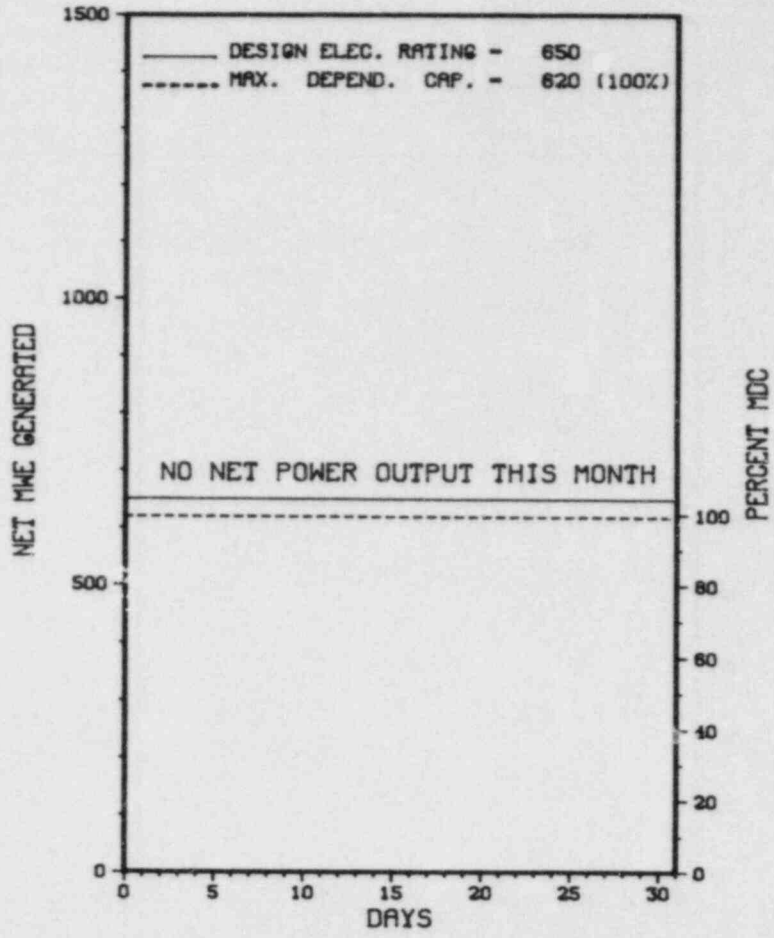
NONE

27. If Currently Shutdown Estimated Startup Date: 08/07/84

****
* OYSTER CREEK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 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	1983 REFUELING AND MAINTENANCE OUTAGE CONTINUES.

SUMMARY

OYSTER CREEK 1 REMAINS SHUTDOWN IN AN ONGOING 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)

****
* OYSTER CREEK 1 *
****

FACILITY DATA

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

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.

****
* OYSTER CREEK 1 *
****

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-255 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	109,142.0
13. Hours Reactor Critical	.0	.0	59,259.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	56,278.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	115,360,224
18. Gross Elec Ener (MWH)	0	0	35,750,440
19. Net Elec Ener (MWH)	0	0	33,628,014
20. Unit Service Factor	.0	.0	51.6
21. Unit Avail Factor	.0	.0	51.6
22. Unit Cap Factor (MDC Net)	.0	.0	48.5
23. Unit Cap Factor (DER Net)	.0	.0	38.3
24. Unit Forced Outage Rate	.0	.0	32.1
25. Forced Outage Hours	.0	.0	12,525.6

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

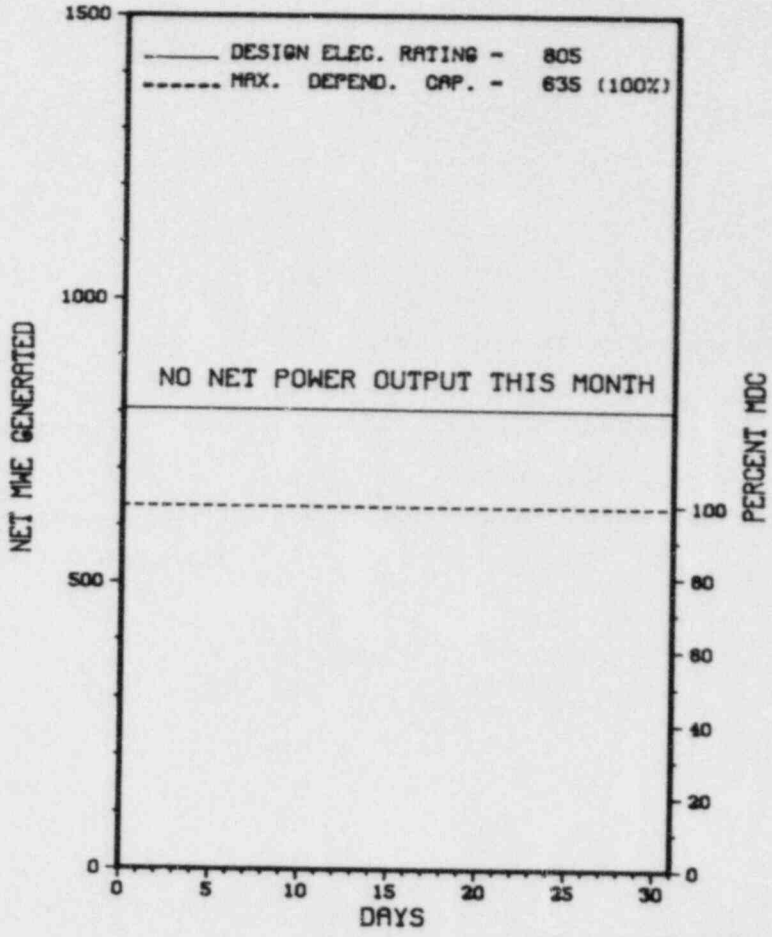
NONE

27. If Currently Shutdown Estimated Startup Date: 07/04/84

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



MAY 1984

Report Period MAY 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	744.0	C	4		RC	FUELXX	REFUELING & MAINTENANCE OUTAGE CONTINUES.

****
* SUMMARY *
****

PALISADES 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)

****
* PALISADES *
****

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

Report Period MAY 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.....B. 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

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

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES IMPLEMENTATION OF PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, WHICH INCLUDES ADMINISTRATIVE PROCEDURES COVERING AUTHORITIES AND RESPONSIBILITIES FOR SAFE OPERATION AND SHUTDOWN. PLANT ADMINISTRATIVE PROCEDURES 4.00, "OPERATIONS ORGANIZATION AND RESPONSIBILITIES", AND 4.01, "SHIFT OPERATIONS", RESPECTIVELY, ASSIGN RESPONSIBILITY TO THE SHIFT SUPERVISOR TO ENSURE THE PLANT IS OPERATED IN ACCORDANCE WITH OPERATING PROCEDURES; AND REQUIRE THE SHIFT SUPERVISOR TO ADVISE AND CONSULT WITH THE DUTY AND CALL SUPERINTENDENT CONCERNING UNUSUAL OPERATING SITUATIONS, WHICH SPECIFICALLY INCLUDES DEVIATION FROM APPROVED PROCEDURES. CONTRARY TO THE ABOVE, THE SHIFT SUPERVISOR ON JANUARY 8, 1984, PLACED THE PLANT IN AN UNUSUAL OPERATING SITUATION INVOLVING TOTAL RELIANCE FOR ALL ELECTRICAL POWER ON A SINGLE DIESEL GENERATOR - A CONDITION INVOLVING DEVIATION FROM APPROVED OPERATING PROCEDURES - BUT THE DUTY AND CALL SUPERINTENDENT WAS NEITHER ADVISED NOR CONSULTED. TECHNICAL SPECIFICATION 6.8.1.A REQUIRES IMPLEMENTATION OF PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, WHICH INCLUDES PROCEDURES FOR STARTUP, OPERATION AND SHUTDOWN OF SPECIFIED SYSTEMS, INCLUDING OFFSITE ELECTRICAL ACCESS CIRCUITS. SYSTEM OPERATING PROCEDURE SOP-32, "345 KV SWITCHYARD", WHICH COVERS OFFSITE ELECTRICAL ACCESS CIRCUITS, REQUIRES AT PARAGRAPH 2.2.C THAT BUS "R" SHALL NOT BE REMOVED FROM SERVICE UNLESS STATION POWER IS BEING SUPPLIED BY DIESEL GENERATORS 1-1 AND

ENFORCEMENT SUMMARY

1-2 OR BY THE MAIN AND STATION POWER TRANSFORMERS. CONTRARY TO THE ABOVE, ON JANUARY 8, 1984, WHEN THE MAIN TRANSFORMER AND DIESEL GENERATOR 1-2 WERE BOTH UNAVAILABLE TO PROVIDE STATION POWER, BUS "R" WAS REMOVED FROM SERVICE, LEAVING ALL STATION POWER SOLELY ON DIESEL GENERATOR 1-1. 10 CFR 50.54(Q) STATES IN PART THAT 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 OF APPENDIX E TO THIS PART. SECTION 6.1.1.B.2 OF THE PALISADES PLANT SITE EMERGENCY PLAN STATES IN PART THAT, IF THE SITUATION REQUIRES ACTIVATION OF ALL OR PART OF THE SITE EMERGENCY PLAN, THE SHIFT SUPERVISOR SHALL: (A) INITIALLY CLASSIFY THE EMERGENCY;... (D) INITIATE THE APPLICABLE EMERGENCY PLAN IMPLEMENTING PROCEDURES.... SECTION 4.1.1 OF THE EMERGENCY PLAN STATES IN PART THAT, TABLE 4.2 LISTS ALL INITIATING CONDITIONS AND THEIR CORRESPONDING EMERGENCY ACTION LEVELS FOR CLASSIFYING AN UNUSUAL EVENT. TABLE 4.2 UNDER THE HEADING COMMUNICATIONS LOSS STATES THAT A SIGNIFICANT LOSS OF OFFSITE COMMUNICATION CAPABILITY IS CLASSIFIED AS AN UNUSUAL EVENT. 10 CFR 50.72(B)(1)(V) STATES IN PART THAT THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES WITHIN ONE HOUR OF ANY EVENT THAT RESULTS IN A MAJOR LOSS OF COMMUNICATIONS CAPABILITY. CONTRARY TO THE ABOVE, WHEN ALL OFFSITE COMMUNICATIONS CAPABILITY WAS LOST ON JANUARY 8, 1984 BETWEEN 1248 AND 1425 AND AGAIN BETWEEN 1511 AND 1550, AN UNUSUAL EVENT WAS NOT DECLARED AND THE NRC WAS NOT NOTIFIED WITHIN ONE HOUR. 10 CFR 50.54(Q) STATES IN PART THAT A LICENSEE AUTHORIZED TO OPERATE A NUCLEAR POWER REACTOR SHALL FOLLOW AND MAINTAIN IN EFFECT EMERGENCY PLANS WHICH MEET THE STANDARDS OF 10 CFR 50.47(B) TO THIS PART AND THE REQUIREMENTS OF APPENDIX E TO THIS PART. 10 CFR PART 50, APPENDIX E, SECTION IV.F STATES IN PART THAT THE EMERGENCY PREPAREDNESS PROGRAM SHALL PROVIDE FOR THE TRAINING AND PERIODIC RETRAINING OF PERSONNEL RESPONSIBLE FOR ACCIDENT ASSESSMENT, INCLUDING CONTROL ROOM SHIFT PERSONNEL. TABLE 8.1 OF THE EMERGENCY PLAN STATES THAT SHIFT SUPERVISORS RECEIVE PERIODIC ON-THE-JOB AND FORMAL TRAINING AS SCHEDULED AND CONDUCTED BY THE OPERATOR REQUALIFICATION TRAINING PROGRAM. THIS PROGRAM SHALL INCLUDE A COMPREHENSIVE REVIEW OF THE SITE EMERGENCY PLAN IMPLEMENTING PROCEDURES. CONTRARY TO THE ABOVE, THE SHIFT SUPERVISOR ON SHIFT AT THE TIME OF THE LOSS OF COMMUNICATIONS UNUSUAL EVENT CITED ABOVE HAD NOT RECEIVED COMPREHENSIVE TRAINING OR A REVIEW OF THE SITE EMERGENCY PLAN IMPLEMENTING PROCEDURES DURING HIS PERIODIC ON-THE-JOB REQUALIFICATION TRAINING PROGRAM AND HAD NOT RECEIVED ANY FORMAL TRAINING IN THE EMERGENCY PLAN. 10 CFR 50.54(Z) STATES IN PART THAT A UTILIZATION FACILITY LICENSEE SHALL IMMEDIATELY NOTIFY THE NRC OPERATIONS CENTER OF THE OCCURRENCE OF ANY EVENT SPECIFIED IN PART 50.72. 10 CFR 50.72(A)(1)(I) STATES IN PART THAT EACH NUCLEAR POWER REACTOR LICENSEE SHALL NOTIFY THE NRC OPERATIONS CENTER OF THE DECLARATION OF ANY OF THE EMERGENCY CLASSES SPECIFIED IN THE LICENSEE'S APPROVED EMERGENCY PLAN. 10 CFR 50.72(A)(3) STATES THAT THE LICENSEE SHALL NOTIFY THE NRC IMMEDIATELY AFTER NOTIFICATION OF THE APPROPRIATE STATE OR LOCAL AGENCIES AND NOT LATER THAN ONE HOUR AFTER THE TIME THE LICENSEE DECLARES ONE OF THE EMERGENCY CLASSES. CONTRARY TO THE ABOVE, ALTHOUGH THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1600 FOR INOPERABILITY OF DIESEL GENERATORS, THE NRC WAS NOT INFORMED OF THE EMERGENCY CLASSIFICATION UNTIL THE EVENT WAS CLOSED OUT AT 1800 THE FOLLOWING DAY. THE LICENSEE FAILED TO REPORT A SECURITY EVENT IN THE REQUIRED TIME PERIOD. THE LICENSEE FAILED TO MAINTAIN OFFSITE COMMUNICATIONS.

(8405 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

****
* PALISADES *
****

OTHER ITEMS

THE PLANT SHUTDOWN ON 8/13/83 TO START A REFUELING AND MAINTENANCE OUTAGE. RESTART SCHEDULED FOR JUNE, 1984.

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

INSPECTION REPORT NO: 84-11

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	02/20/84	04/30/84	DISCONNECTED AUXILIARY FEEDWATER PIPE HANGER.
84-04	04/08/84	05/08/84	SAFETY INJECTION ACTUATION.

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 05/01/84 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	3,647.0	86,855.0
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)	-6,680	2,459,140	56,295,570
20. Unit Service Factor	.0	69.8	69.7
21. Unit Avail Factor	.0	69.8	69.7
22. Unit Cap Factor (MDC Net)	.0	64.2	61.7
23. Unit Cap Factor (DER Net)	.0	63.3	60.9
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):

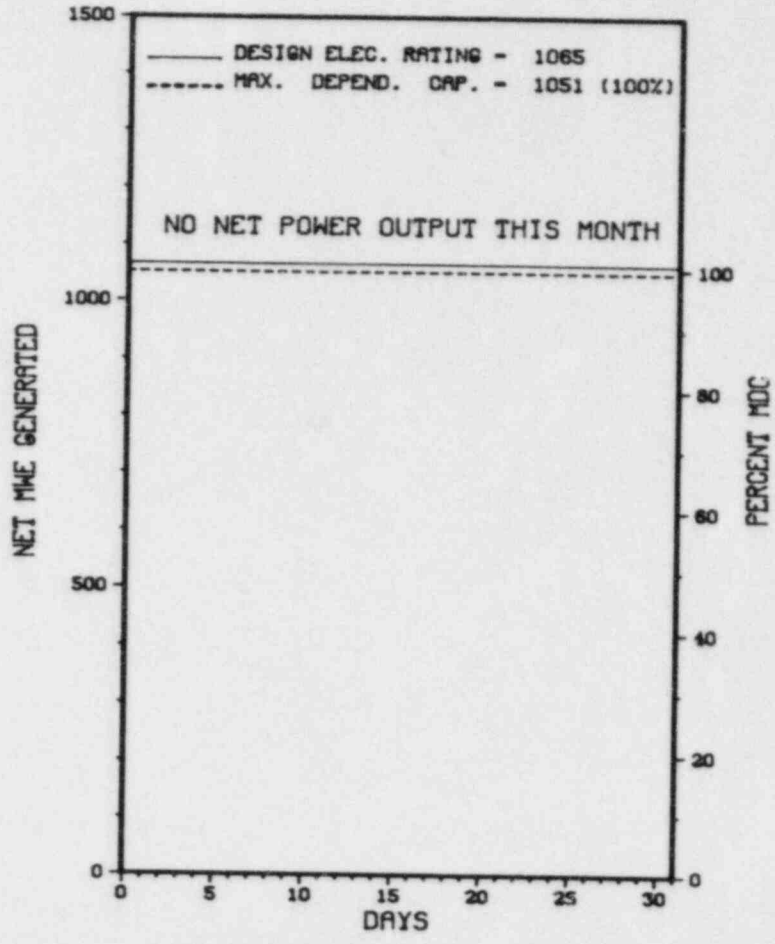
NONE

27. If Currently Shutdown Estimated Startup Date: 01/16/85

****
* PEACH BOTTOM 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/28/84	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.

SUMMARY

PEACH BOTTOM 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)

****
* 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
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):

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: 05/01/84 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	3,647.0	82,751.0
13. Hours Reactor Critical	744.0	3,344.3	60,144.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,312.5	58,628.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,381,582	10,593,337	171,631,642
18. Gross Elec Ener (MWH)	790,020	3,530,040	56,345,160
19. Net Elec Ener (MWH)	763,116	3,424,510	54,088,295
20. Unit Service Factor	100.0	90.8	70.8
21. Unit Avail Factor	100.0	90.8	70.8
22. Unit Cap Factor (MDC Net)	99.1	90.7	63.2
23. Unit Cap Factor (DER Net)	96.3	88.2	61.4
24. Unit Forced Outage Rate	.0	9.2	7.4
25. Forced Outage Hours	.0	334.5	4,665.4

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

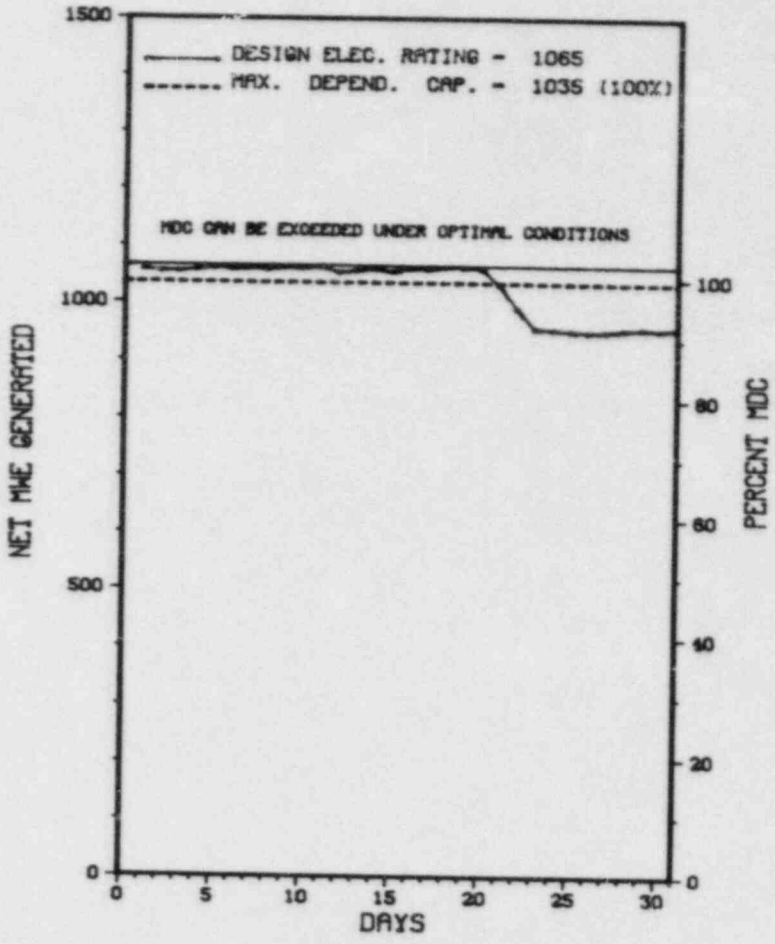
NONE

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

****
* PEACH BOTTOM 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



MAY 1984

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* PEACH BOTTOM 3 *
****

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

****
* SUMMARY *
****

PEACH BOTTOM 3 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS REPORTED DURING MAY.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & 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

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):

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: 05/01/84 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	3,647.0	100,607.0
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	67.1
21. Unit Avail Factor	.0	.0	67.1
22. Unit Cap Factor (MDC Net)	.0	.0	55.9
23. Unit Cap Factor (DER Net)	.0	.0	57.2
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):

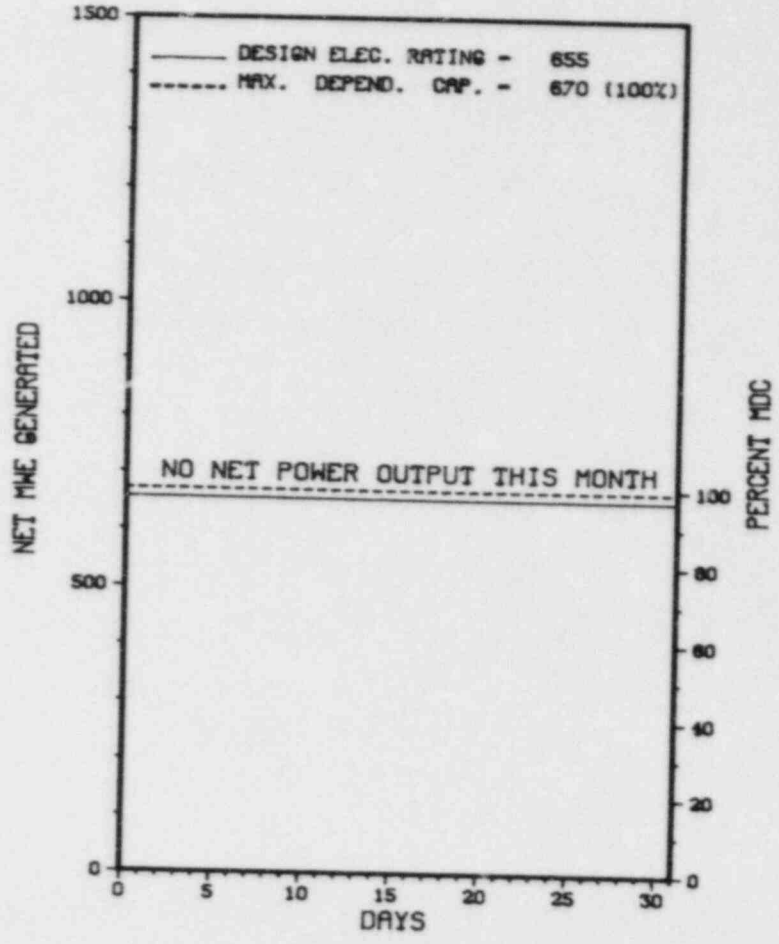
NONE

27. If Currently Shutdown Estimated Startup Date: 09/15/84

****
* PILGRIM 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



MAY 1984

Report Period MAY 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		RC	FUELXX	SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT.

SUMMARY

PILGRIM 1 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 (LER) File (NUREG-0161)
			9-Other	

****
* PILGRIM 1 *
****

FACILITY DATA

Report Period MAY 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

CONTRARY TO 10 CFR 50.55A(3), SECTION XI OF ASME CODE, AND 8/15/79 NRC LETTER TO BECO, THE HPCI INJECTION CHECK VALVE (2301-7) WAS NOT TESTED IN ACCORDANCE WITH PRESCRIBED FREQUENCY AND METHOD. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, COMMERCIAL ITEMS WERE PROCURED INSPECTED AND INSTALLED INTO A 'Q' SYSTEM WITHOUT HAVING AN APPROVED PROCEDURE GOVERNING PROCESS. ALSO THE SPARE PART WAS NOT ON SECTION V OF THE Q LIST WHICH SPECIFIES Q-COMMERCIAL ITEMS. (8323 4)

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: 50-266 OPERATING STATUS

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C.W. FAY (414) 277-2811

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	3,647.0	118,943.0
13. Hours Reactor Critical	744.0	1,298.4	95,376.9
14. Rx Reserve Shtdwn Hrs	.0	3.9	629.3
15. Hrs Generator On-Line	744.0	1,264.5	92,872.0
16. Unit Reserve Shtdwn Hrs	.0	5.8	799.3
17. Gross Therm Ener (MWH)	1,101,621	1,794,080	125,329,392
18. Gross Elec Ener (MWH)	382,640	621,650	42,017,630
19. Net Elec Ener (MWH)	366,399	592,644	39,960,526
20. Unit Service Factor	100.0	34.7	78.1
21. Unit Avail Factor	100.0	34.8	78.8
22. Unit Cap Factor (MDC Net)	101.5	33.5	68.7*
23. Unit Cap Factor (DER Net)	99.1	32.7	67.6
24. Unit Forced Outage Rate	.0	.0	2.7
25. Forced Outage Hours	.0	.0	2,406.3

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

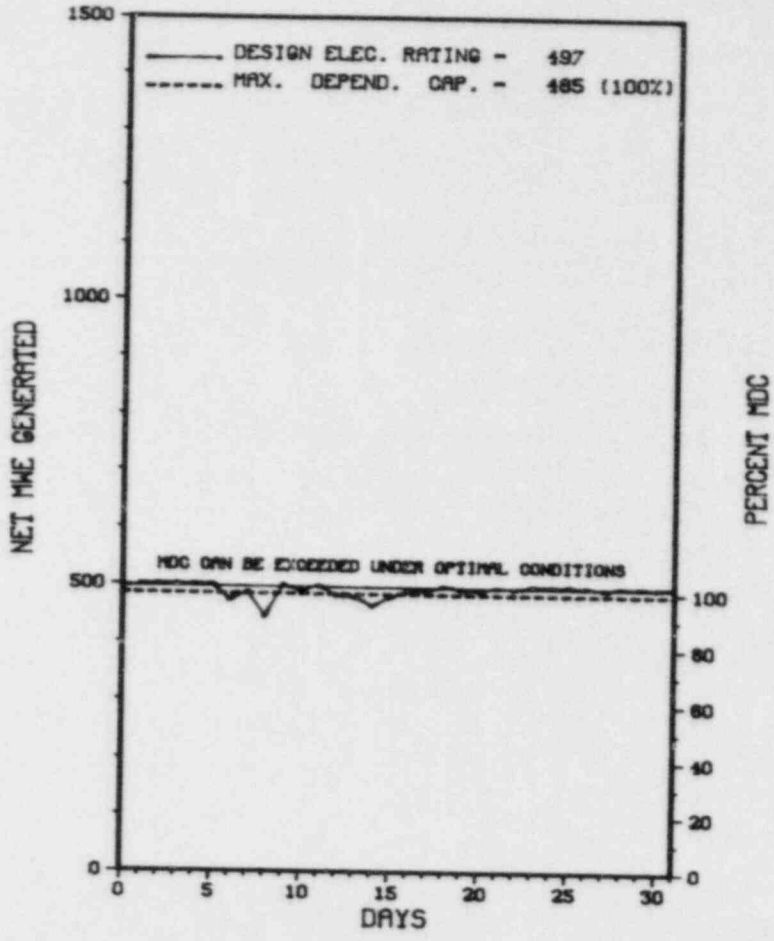
NONE

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

****
* POINT BEACH 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

POINT BEACH 1

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

SUMMARY

POINT BEACH 1 OPERATED AT FULL POWER DURING MAY.

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

****
* POINT BEACH 1 *
****

FACILITY DATA

Report Period MAY 1984

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 DURING FEBRUARY AND MARCH, (84-04): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; INDEPENDENT INSPECTION; ORGANIZATION AND ADMINISTRATION; REVIEW OF PERIODIC AND SPECIAL REPORTS; REFUELING ACTIVITIES; STEAM GENERATOR REPLACEMENT ACTIVITIES; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. THE INSPECTION INVOLVED A TOTAL OF 391 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 86 INSPECTOR-HOURS ON OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TEN AREAS. ONE ITEM OF NONCOMPLAINCE WAS IDENTIFIED IN THE REMAINING AREA.

INSPECTION ON MARCH 29-31 AND APRIL 1, (84-06): ROUTINE, ANNOUNCED INSPECTION OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS AND CONTAINMENT INTEGRATED LEAK RATE TEST. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS BY 2 NRC INSPECTORS, INCLUDING 38 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: APRIL 1 - MAY 31, 1984

INSPECTION REPORT NO: 84-06

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: 50-301 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C.W. FAY (414) 277-2811

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): 495

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

NONE

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	3,647.0	103,728.0
13. Hours Reactor Critical	718.6	3,621.6	92,049.8
14. Rx Reserve Shtdwn Hrs	8.8	8.8	207.1
15. Hrs Generator On-Line	654.9	3,557.9	90,460.7
16. Unit Reserve Shtdwn Hrs	15.4	15.4	198.1
17. Gross Therm Ener (MWH)	934,923	5,292,015	126,186,792
18. Gross Elec Ener (MWH)	315,470	1,784,080	42,743,910
19. Net Elec Ener (MWH)	299,688	1,704,842	40,710,107
20. Unit Service Factor	88.0	97.6	87.2
21. Unit Avail Factor	90.1	98.0	87.4
22. Unit Cap Factor (MDC Net)	81.4	94.4	79.8*
23. Unit Cap Factor (DER Net)	81.0	94.1	79.0
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):

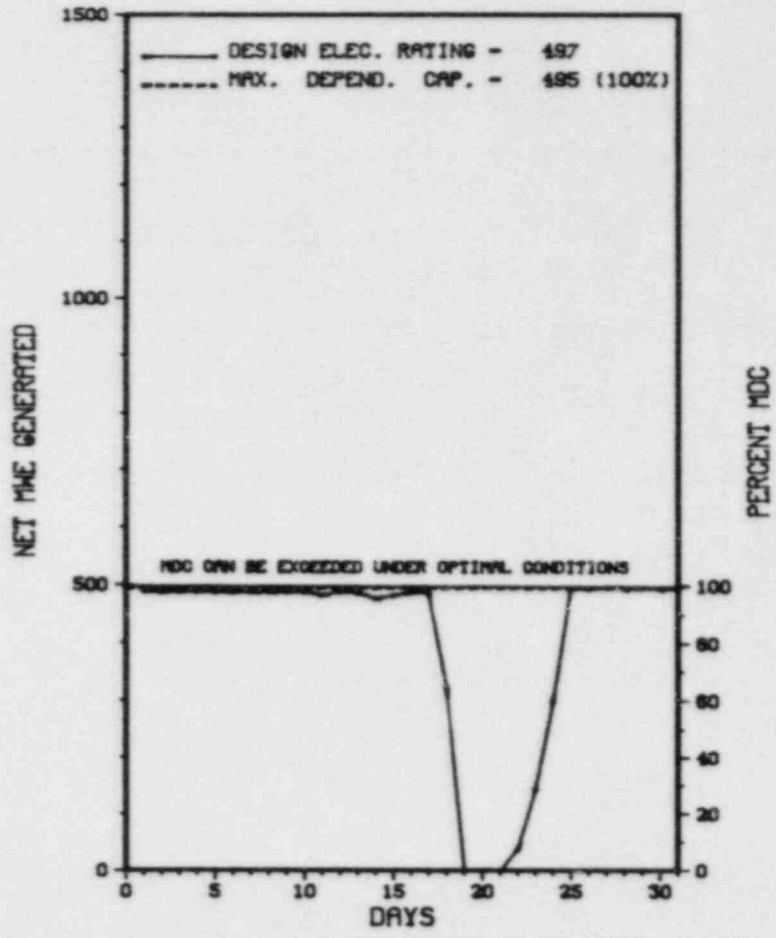
REFUELING & MAINTENANCE: 09/28/84 - 5 WEEKS

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

****
* POINT BEACH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

POINT BEACH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/18/84	S	89.1	B	1		ZZ	ZZZZZZ	CONDUCTED CORRECTIVE MAINTENANCE ON MOISTURE SEPARATOR REHEATER, CONDENSER WATERBOXES AND INCORE FLUX THIMBLE PLUGS.

SUMMARY

POINT BEACH 2 OPERATED WITH 1 OUTAGE FOR MAINTENANCE DURING MAY.

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

****
* POINT BEACH 2 *
****

FACILITY DATA

Report Period MAY 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 30, 1972

DATE ELEC ENER 1ST GENER...AUGUST 2, 1972

DATE COMMERCIAL OPERATE....OCTOBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-301

LICENSE & DATE ISSUANCE....DPR-27, MARCH 8, 1973

PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING FEBRUARY AND MARCH, (84-03): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; INDEPENDENT INSPECTION; ORGANIZATION AND ADMINISTRATION; REVIEW OF PERIODIC AND SPECIAL REPORTS; REFUELING ACTIVITIES; STEAM GENERATOR REPLACEMENT ACTIVITIES; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. THE INSPECTION INVOLVED A TOTAL OF 391 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 86 INSPECTOR-HOURS ON OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TEN AREAS. ONE ITEM OF NONCOMPLAINCE WAS IDENTIFIED IN THE REMAINING AREA.

ENFORCEMENT SUMMARY

10 CFR 50.59(A)(1) STATES: THE HOLDER OF A LICENSE AUTHORIZING OPERATION OF A PRODUCTION OR UTILIZATION FACILITY MAY (I) MAKE CHANGES IN THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, (II) MAKE CHANGES IN THE PROCEDURES AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, AND (III) CONDUCT TEST OR EXPERIMENTS NOT DESCRIBED IN THE SAFETY ANALYSIS REPORT, WITHOUT PRIOR COMMISSION APPROVAL, UNLESS THE PROPOSED CHANGE, TEST OR EXPERIMENT INVOLVES A CHANGE IN THE TECHNICAL SPECIFICATIONS INCORPORATED IN THE LICENSE OR AN UNREVIEWED SAFETY QUESTIONS. CONTRARY TO THE ABOVE, DURING THE UNIT 2 REFUELING OUTAGE WHICH ENDED ON JULY 6, 1983, SNUBBER 2 HS-M 75 WAS REMOVED FROM THE PRESSURIZER RELIEF LINE. THIS SNUBBER IS LISTED AS A SAFETY RELATED SNUBBER IN TABLE 15.3.13-1 OF THE LICENSEE'S TECHNICAL SPECIFICATIONS. SUBSEQUENT TO ITS REMOVAL THE LICENSEE RESUMED POWER OPERATION ON UNIT 2 WITHOUT SEEKING AN AMENDMENT TO DELETE SNUBBER 2 HS-M 75 FROM TABLE 15.3.13-1. FAILURE TO ADEQUATELY CONTROL ACCESS TO VITAL

ENFORCEMENT SUMMARY

AREAS.

(8403 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: APRIL 1 - MAY 31, 1984

INSPECTION REPORT NO: 84-04

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-282 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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	3,647.0	91,679.0
13. Hours Reactor Critical	744.0	3,597.4	75,270.4
14. Rx Reserve Shtdwn Hrs	.0	.0	5,571.1
15. Hrs Generator On-Line	744.0	3,576.0	73,957.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,224,392	5,771,073	116,082,235
18. Gross Elec Ener (MWH)	402,410	1,923,580	37,803,380
19. Net Elec Ener (MWH)	378,787	1,819,543	35,410,972
20. Unit Service Factor	100.0	98.1	80.7
21. Unit Avail Factor	100.0	98.1	80.7
22. Unit Cap Factor (MDC Net)	101.2	99.2	76.8
23. Unit Cap Factor (DER Net)	96.1	94.1	72.9
24. Unit Forced Outage Rate	.0	.0	8.2
25. Forced Outage Hours	.0	.0	2,920.9

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

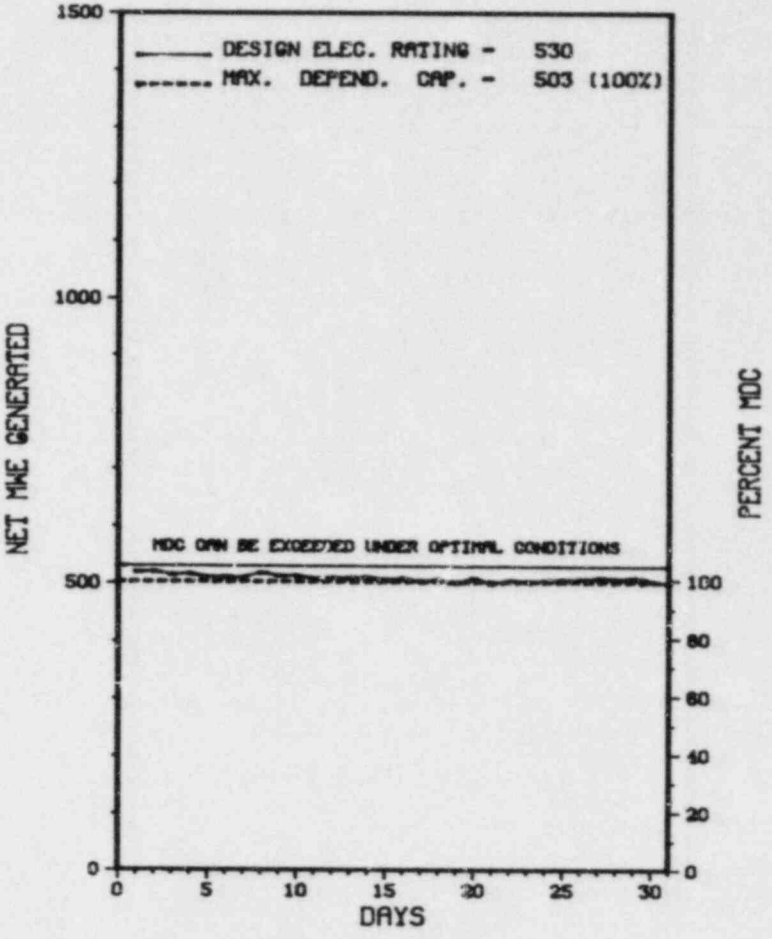
NONE

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

****
* PRAIRIE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

PRAIRIE ISLAND 1

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

SUMMARY

PRAIRIE ISLAND 1 OPERATED AT FULL POWER DURING MAY.

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

****
* PRAIRIE ISLAND 1 *
****

FACILITY DATA

Report Period MAY 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 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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 11 - APRIL 10, (84-03): ROUTINE RESIDENT INSPECTION OF PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REGIONAL REQUEST; EMERGENCY EXERCISE; MEETING WITH OFFSITE SAFETY COMMITTEE; IE BULLETINS AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 332 INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 9 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 8 AREAS, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE AREA OF PLANT OPERATIONAL SAFETY (FAILURE TO MAINTAIN AN ADEQUATE LOG AND FAILURE TO ADEQUATELY CONTROL ACCESS TO VITAL AREAS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 21-23, 1984

INSPECTION REPORT NO: 84-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-306 OPERATING STATUS
2. Reporting Period: 05/01/84 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	3,647.0	82,797.0
13. Hours Reactor Critical	744.0	3,647.0	71,897.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,516.1
15. Hrs Generator On-Line	744.0	3,647.0	70,940.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,220,803	5,852,358	111,584,216
18. Gross Elec Ener (MWH)	401,900	1,953,030	36,060,430
19. Net Elec Ener (MWH)	379,513	1,853,933	33,828,816
20. Unit Service Factor	100.0	100.0	85.7
21. Unit Avail Factor	100.0	100.0	85.7
22. Unit Cap Factor (MDC Net)	102.0	101.7	81.7
23. Unit Cap Factor (DER Net)	96.2	95.9	77.1
24. Unit Forced Outage Rate	.0	.0	4.3
25. Forced Outage Hours	.0	.0	3,315.5

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

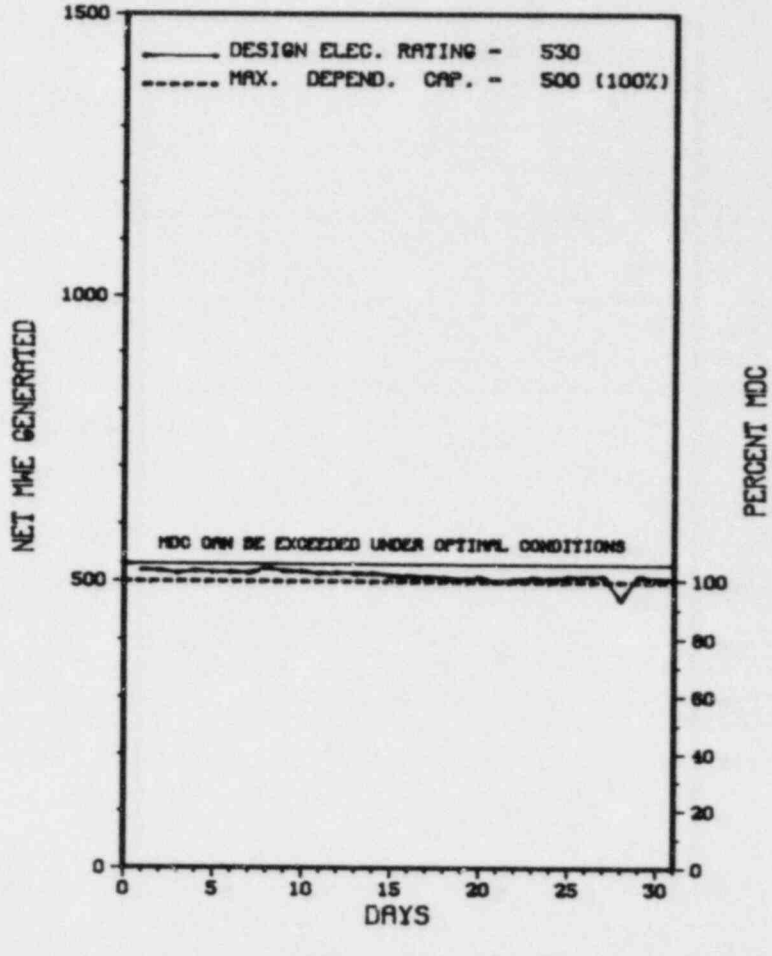
REFUELING OUTAGE IN AUGUST OF 1984.

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

****
* PRAIRIE ISLAND 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



MAY 1984

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* PRAIRIE ISLAND 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	05/28/84	S	0.0	B	5				TURBINE VALVES TEST.

****
* SUMMARY *
****

PRAIRIE ISLAND 2 OPERATED AT FULL POWER WITH 1 REDUCTION FOR TESTING DURING MAY.

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)

****
* PRAIRIE ISLAND 2 *
****

FACILITY DATA

Report Period MAY 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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 11 - APRIL 10, (84-03): ROUTINE RESIDENT INSPECTION OF PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REGIONAL REQUEST; EMERGENCY EXERCISE; MEETING WITH OFFSITE SAFETY COMMITTEE; IE BULLETINS AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 332 INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS INCLUDING 46 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 9 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 8 AREAS, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE AREA OF PLANT OPERATIONAL SAFETY (FAILURE TO MAINTAIN AN ADEQUATE LOG AND FAILURE TO ADEQUATELY CONTROL ACCESS TO VITAL AREAS.

ENFORCEMENT SUMMARY

TITLE 10 OF THE CODE OF FEDERAL REGULATION; PART 50, APPENDIX B, CRITERION V (10 CFR 50 APPENDIX B, CRITERION V) REQUIRES, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OR A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." SECTION WORK INSTRUCTION SWI-0-4, PART 3.6.1, STEP 4 REQUIRES FOR THE PLANT OPERATIONS LOG, "ENTRIES WHICH INDICATE THE INITIATION OF AN ACTION OR THE OCCURRENCE OF SOME PLANT CONDITION ARE NOT COMPLETE ENTRIES IN THEMSELVES, MUST BE NOTED WITH AN X PLACED IN THE LEFT-HAND MARGIN ADJACENT TO THE ENTRY. WHEN THE REFERENCED ACTION IS COMPLETED OR THE PLANT CONDITION IS RETURNED TO NORMAL, A LOG ENTRY WILL BE MADE. ALSO, THE X ALONGSIDE THE INITIAL ENTRY WILL BE CIRCLED AND INITIALED BY THE OPERATOR AND THE PAGE NUMBER OF THE

ENFORCEMENT SUMMARY

CONCLUDING ENTRY WILL BE NOTED." PART 3.6.2. REACTOR LOGS STEP 2 REQUIRES, "ALL LOG ENTRY INSTRUCTIONS LISTED FOR THE PLANT OPERATIONS LOG APPLY TO THE REACTOR LOGS." CONTRARY TO THE ABOVE, AT 8:00 A.M., APRIL 6, 1984, THE UNIT 2 HIGH RANGE SHIELD BUILDING VENTILATION RADIATION MONITOR, 2R50, WAS TAKEN OUT OF SERVICE ENTERING THE ACTION STATEMENT OF TECHNICAL SPECIFICATION 3.15.B.1. ON APRIL 9, 1984, THE 2R50 RADIATION MONITOR WAS RETURNED TO SERVICE WITHOUT BEING LOGGED IN THE REACTOR LOG AS DESCRIBED ABOVE.
(8403 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: MAY 7-11, 1984

INSPECTION REPORT NO: 84-06

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: 05/01/84 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	3,647.0	105,671.0
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	168,766,438
18. Gross Elec Ener (MWH)	0	1,213,148	54,471,876
19. Net Elec Ener (MWH)	-2,109	1,150,264	50,755,524
20. Unit Service Factor	.0	42.8	77.5
21. Unit Avail Factor	.0	42.8	78.4
22. Unit Cap Factor (MDC Net)	.0	41.0	62.5
23. Unit Cap Factor (DER Net)	.0	40.0	60.9
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):

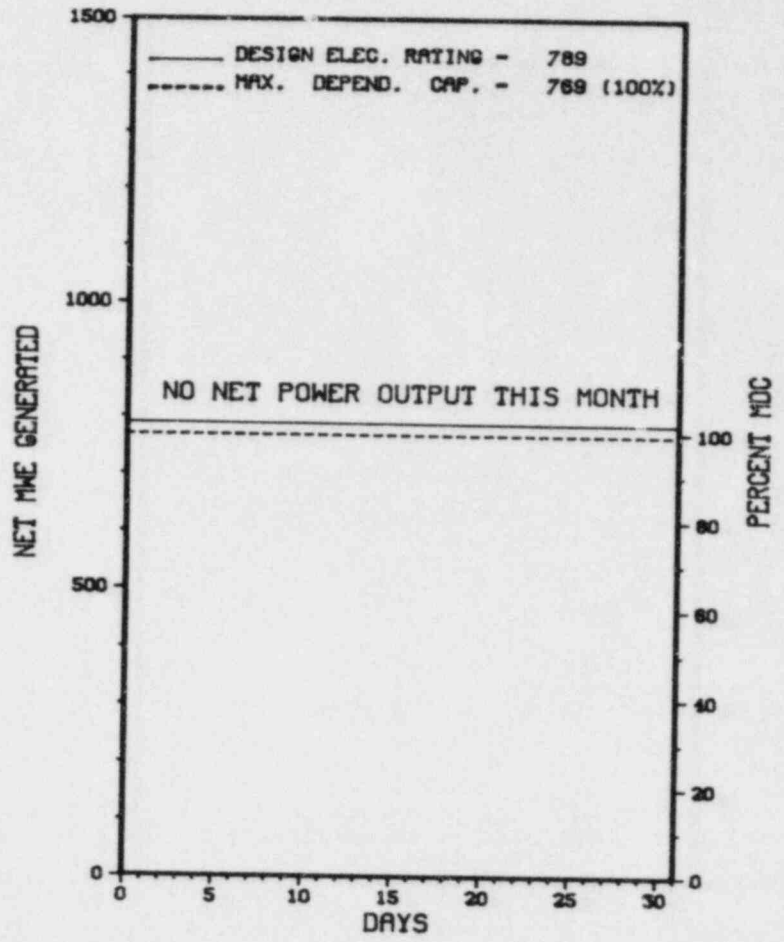
NONE

27. If Currently Shutdown Estimated Startup Date: 07/30/84

****
* QUAD CITIES 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



MAY 1984

Report Period MAY 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 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)

****
* 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

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUT DOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: MAY 20 - JUNE 23, 1984

INSPECTION REPORT NO: 84-08

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	04/14/84	05/07/84	LINEAR INDICATION ON REACTOR RECIRCULATION SYSTEM WELDS.
84-06	05/01/84	05/12/84	SECONDARY CONTAINMENT POTENTIAL PROBLEM.

1. Docket: 50-265 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	104,781.0
13. Hours Reactor Critical	546.7	2,164.6	80,082.2
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	534.5	2,066.8	77,276.6
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	1,270,133	4,797,454	160,179,542
18. Gross Elec Ener (MWH)	415,708	1,564,289	51,000,047
19. Net Elec Ener (MWH)	395,987	1,486,841	47,821,715
20. Unit Service Factor	71.8	56.7	73.8
21. Unit Avail Factor	71.8	56.7	74.4
22. Unit Cap Factor (MDC Net)	69.2	53.0	59.3
23. Unit Cap Factor (DER Net)	67.5	51.7	57.8
24. Unit Forced Outage Rate	4.0	5.9	8.5
25. Forced Outage Hours	22.3	130.0	3,320.1

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

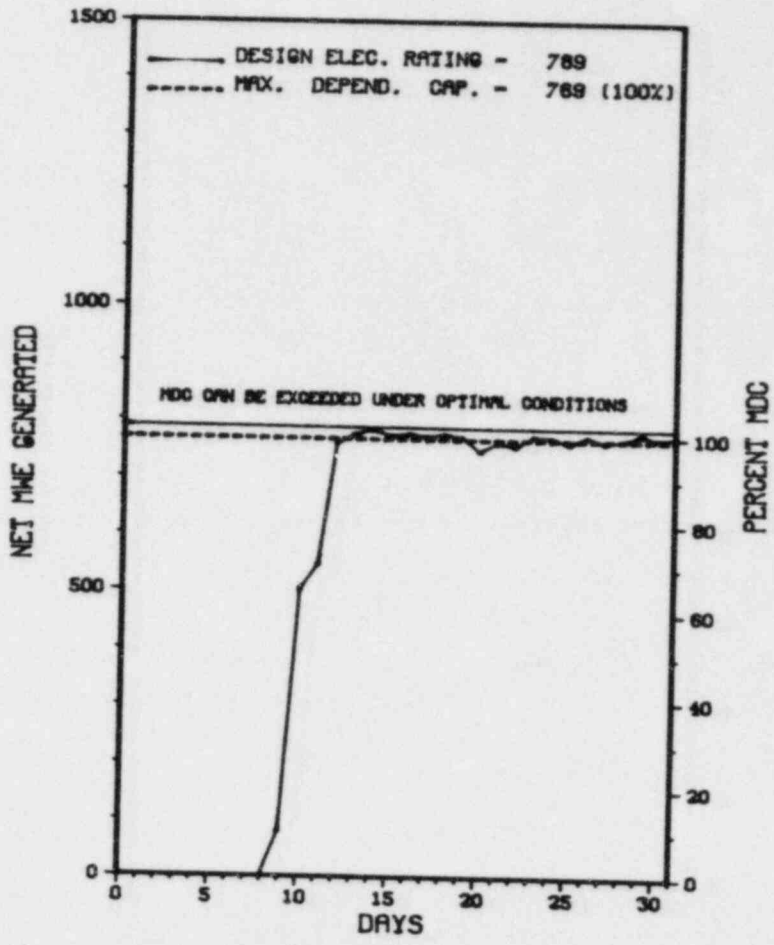
NONE

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

****
* QUAD CITIES 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-18	04/27/84	S	187.2	B	4		HF	VALVEX	SHUTDOWN FOR REPAIR OF 2A CIRCULATING WATER PUMP DISCHARGE VALVE.
84-19	05/08/84	F	22.3	A	2	84-5	CC	VALVEX	SHUTDOWN FOR REPAIR OF 2-203-3C RELIEF VALVE PILOT VALVE ASSEMBLY.
84-20	05/15/84	S	0.0	B	5		CD	VALVEX	REDUCED LOAD FOR BI-WEEKLY MSIV (MAIN STEAM ISOLATION VALVE) TESTING.
84-21	05/20/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.
84-22	05/22/84	S	0.0	B	5		CD	VALVEX	REDUCED LOAD FOR MAIN STEAM ISOLATION VALVE TESTING.
84-23	05/27/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD FOR WEEKLY TURBINE TESTS.

SUMMARY

QUAD CITIES 2 RETURNED ONLINE FROM A REPAIR OUTAGE ON MAY 9TH AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

****
* QUAD CITIES 2 *
****

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...APRIL 26, 1972

DATE ELEC ENER 1ST GENER...MAY 23, 1972

DATE COMMERCIAL OPERATE....MARCH 10, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....A. MADISON

LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265

LICENSE & DATE ISSUANCE....DPR-30, DECEMBER 14, 1972

PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: MAY 20 - JUNE 23, 1984

INSPECTION REPORT NO: 84-08

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-312 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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

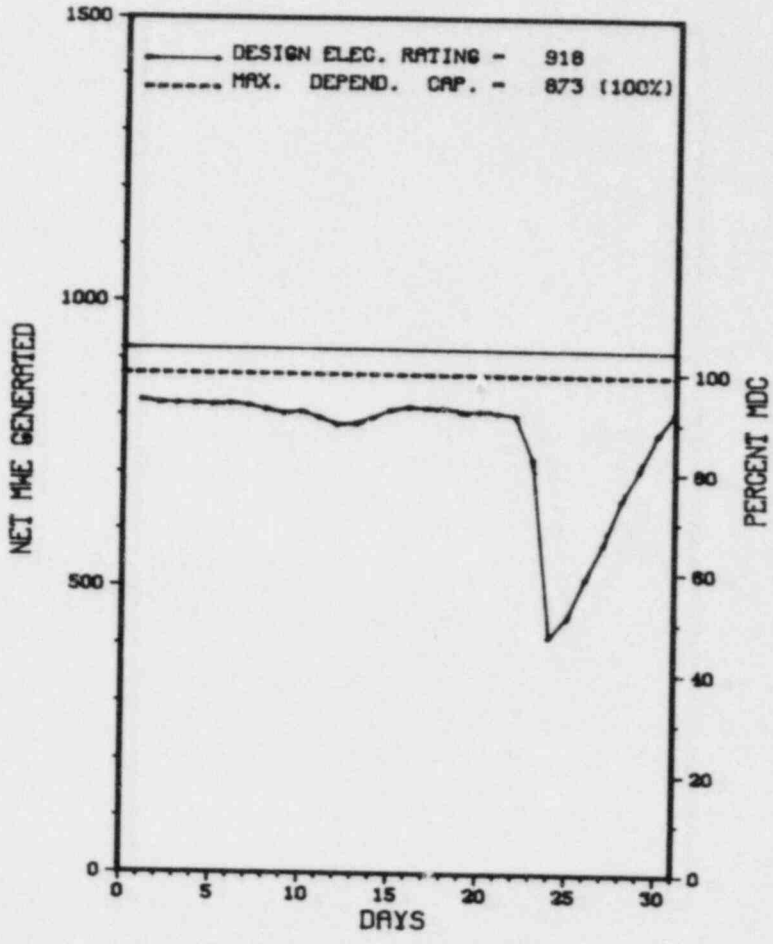
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	79,968.0
13. Hours Reactor Critical	744.0	2,873.4	47,225.0
14. Rx Reserve Shtdwn Hrs	.0	767.4	10,081.2
15. Hrs Generator On-Line	744.0	2,754.6	45,296.8
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	1,786,717	6,656,958	112,568,300
18. Gross Elec Ener (MWH)	590,187	2,214,660	37,610,732
19. Net Elec Ener (MWH)	557,300	2,076,086	35,450,410
20. Unit Service Factor	100.0	75.5	56.6
21. Unit Avail Factor	100.0	75.5	58.2
22. Unit Cap Factor (MDC Net)	85.8	65.2	50.8
23. Unit Cap Factor (DER Net)	81.6	62.0	48.3
24. Unit Forced Outage Rate	.0	24.5	27.7
25. Forced Outage Hours	.0	892.4	17,302.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING, OCTOBER 1984, 3 MONTHS
27. If Currently Shutdown Estimated Startup Date: N/A

****
* RANCHO SECO 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

RANCHO SECO 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	05/23/84	F	0.0	A	5		HC	HTEXCH	CONDENSER TUBE LEAK; CORRECTIVE ACTION WAS TAKEN BY PLUGGING THE LEAKING TUBE.

SUMMARY

RANCHO SECO 1 OPERATED ROUTINELY WITH 1 REDUCTION DURING MAY.

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)

****
* RANCHO SECO 1 *
****

FACILITY DATA

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 NOVEMBER 7-18, AND NOVEMBER 28 - DECEMBER 1, 1983 (REPORT NO. 50-312/83-35) AREAS INSPECTED: A SPECIAL, ANNOUNCED INSPECTION WAS PERFORMED OF THE LICENSEE'S MANAGEMENT CONTROLS OVER SELECTED LICENSED ACTIVITIES. THE INSPECTION INVOLVED 594 INSPECTOR-HOURS ONSITE AND AT THE CORPORATE OFFICE BY 6 NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 24-25, AND MEETING ON MAY 4, 1984 (REPORT NO. 50-312/84-06) AREAS INSPECTED: SPECIAL INSPECTION TO COLLECT ENVIRONMENTAL SAMPLES FOR INDEPENDENT ANALYSIS AND TECHNICAL MEETING TO DISCUSS THE LICENSEE'S REPORT OF OFFSITE DOSES CALCULATED TO BE IN EXCESS OF TECHNICAL SPECIFICATION OBJECTIVES, 10 CFR 50 APPENDIX I GUIDELINES AND 40 CFR 190 LIMITS. THE INSPECTION INVOLVED 21 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: THE RESULTS OF THE INSPECTION AND MEETING REMAIN UNRESOLVED PENDING REVIEW OF THE LICENSEE'S 10 CFR 20.405(C) REPORT, INSPECTION TO DETERMINE THE CAUSE OF COMPUTER CODE ERRORS AND THE IMPACT OF THE ERRORS ON PAST REPORTS OF OFFSITE DOSES.

+ INSPECTION ON FEBRUARY 24 - APRIL 26, 1984 (REPORT NO. 50-312/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 94, 1984 (REPORT NO. 50-312/84-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

INSPECTION SUMMARY

+ INSPECTION ON APRIL 27 - JUNE 6, 1984 (REPORT NO. 50-312/84-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 21-25, 1984 (REPORT NO. 50-312/84-10) REPORT CANCELLED.

ENFORCEMENT SUMMARY

PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.6.E. STATES THAT THE PRC SHALL BE RESPONSIBLE FOR "INVESTIGATION OF ALL VIOLATIONS OF THE TECHNICAL SPECIFICATIONS AND SHALL PREPARE AND FORWARD A REPORT COVERING EVALUATION AND RECOMMENDATIONS TO PREVENT RECURRENCE TO THE PLANT SUPERINTENDENT, MANAGER OF NUCLEAR OPERATIONS AND TO THE CHAIRMAN OF THE MANAGEMENT SAFETY REVIEW COMMITTEE." 1. CONTRARY TO THIS REQUIREMENT, AT THE TIME OF THE INSPECTION REPORTS WERE NOT PREPARED AND FORWARDED, COVERING EVALUATIONS AND RECOMMENDATIONS, FOR THE VIOLATIONS OF TECHNICAL SPECIFICATIONS REPORTED IN NRC INSPECTION REPORT 50-312/83-12. 2. CONTRARY TO THIS REQUIREMENT, AT THE TIME OF THE INSPECTION A TECHNICAL SPECIFICATION VIOLATION REPORTED IN ODR-125 FOR FAILURE TO MEET FIRE BRIGADE TRAINING REQUIREMENTS WAS NOT INVESTIGATED OR EVALUATED BY THE PRC. PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.6.D. STATES THAT THE PRC SHALL BE RESPONSIBLE FOR "REVIEW OF ALL PROPOSED CHANGES OR MODIFICATIONS TO PLANT SYSTEMS OR EQUIPMENT THAT AFFECT NUCLEAR SAFETY." AP-26, ABNORMAL TAG PROCEDURE, REVISION 7, REQUIRED THE PRC TO REVIEW ABNORMAL TAGS FOR CLASS I EQUIPMENT "WITHIN ONE WORKING DAY AFTER THE TAG IS HUNG." CONTRARY TO THE REQUIREMENT, CLASS I ABNORMAL TAGS I&C 3708 AND ELECTRICAL 3108 AND 3110 WERE HUNG ON EQUIPMENT DURING JULY AND AT THE TIME OF THE INSPECTION HAD NOT BEEN REVIEWED BY THE PRC. MANAGEMENT SAFETY REVIEW COMMITTEE (MSRC) ACTIVITIES: TITLE 10 CFR 50, APPENDIX B, CRITERION V STATES "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES...." PROCEDURE QCI-2 STATED THAT THE MSRC COMMITTEE "REVIEWS THE AUDIT FINDINGS AND CORRECTIVE ACTIONS DONE UNDER THEIR DIRECTION." THE COMMITTEE'S POLICY IS TO REVIEW AUDIT REPORTS WHERE RESPONSES WERE NOT SUBMITTED WITHIN 60 DAYS. CONTRARY TO THIS REQUIREMENT, THE MSRC DID NOT REVIEW QA AUDIT REPORTS 0-501, 0-545 AND 0-551. THE RESPONSES REQUIRED BY THESE AUDITS WERE IN EXCESS OF 60 DAYS AT THE TIME OF THE INSPECTION. QUALITY ASSURANCE: TITLE 10 CFR 50, APPENDIX B, CRITERION V STATES "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES...." THE QA MANUAL QAP-19, SYSTEM AUDITING, REVISION8, REQUIRED THAT "ALL ORGANIZATIONS SHALL PROVIDE PROMPT CORRECTIVE ACTION TO RECTIFY QUALITY ASSURANCE INADEQUACIES." PROCEDURE QAIP-1, QA AUDIT PROCEDURE, REVISION 0, DEFINED THE RESPONSE DUE DATE FOR AUDITS AS "30 DAYS AFTER DISTRIBUTION." CONTRARY TO THIS REQUIREMENT, TWO SETS OF CONSECUTIVELY NUMBERED 1983 AUDITS WERE EXAMINED FOR TIMELINESS OF AUDIT RESPONSES AND OF 26 AUDIT FINDINGS EXAMINED, 19 REQUIRED RESPONSES, AND OF THESE, 15 AUDIT FINDINGS WERE RESPONDED TO LATER THAN 30 DAYS. QUALITY ASSURANCE: TITLE 10 CFR 50, APPENDIX B, CRITERION VI STATES IN PART, "THESE MEASURES SHALL ASSURE THAT DOCUMENTS...ARE DISTRIBUTED TO AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED." CONTRARY TO THIS REQUIREMENT, PERSONNEL PARTICIPATING IN PROCUREMENT, MAINTENANCE, OR MODIFICATION ACTIVITIES WERE NOT AWARE OF OR HAD NOT USED PROPER AND CURRENT DOCUMENTATION FOR DETERMINING THE SAFETY CLASSIFICATION OF COMPONENTS IN SAFETY-RELATED SYSTEMS. THE LICENSEE'S MAINTENANCE INFORMATION MANAGEMENT SYSTEM (MIMS) PROVIDED A CENTRALIZED DOCUMENT CONTROL SYSTEM FOR DETERMINING THE SAFETY CLASSIFICATION OF COMPONENTS. MIMS WAS A COMPUTERIZED METHOD OF LISTING, TRACKING, AND RETRIEVING MAINTENANCE INFORMATION CONCERNING PLANT EQUIPMENT. PART OF MIMS WAS THE MASTER EQUIPMENT LIST (MEL) WHICH WAS A LISTING OF NAMEPLATE DATA FOR EACH PIECE OF PLANT EQUIPMENT. MIMS, AS WRITTEN, PROVIDED A CONSISTENT DOCUMENTATION OF SAFETY CLASSIFICATIONS, A CROSSCHECK OF IDENTIFICATION AND CLASSIFICATION OF EQUIPMENT LISTED ON WORK REQUESTS, AND A PARTS LISTING OF ALL SAFETY-RELATED COMPONENTS IN THE PLANT. AT THE TIME OF THE INSPECTION, NUCLEAR ENGINEERING PERSONNEL WERE USING A JULY 1978 REVISION OF THE MEL, AND MECHANICAL MAINTENANCE PERSONNEL WERE USING AN OCTOBER 1981 VERSION. RECENT CHANGES TO THE MEL WERE ISSUED ON JUNE 1, 1982. THESE TWO DEPARTMENTS WERE NOT USING THE UP-TO-DATE MEL THAT WAS PART OF MIMS. SPECIFIC EXAMPLES OF THE USE OF AN OUT-OF-DATE CLASSIFICATION SYSTEM WERE FOUND ON TWO 1983 WORK REQUESTS: ONE FOR THE "B" DIESEL AND ANOTHER FOR THE 61251-1-6B DRAIN LINE, BOTH CLASS I SYSTEMS. PLANT OPERATIONS: T.S. 6.4.1 STATES "A RETRAINING AND REPLACEMENT PROGRAM FOR THE OPERATING STAFF SHALL BE MAINTAINED UNDER THE DIRECTION OF THE TRAINING SUPERVISOR AND SHALL MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.5 OF ANSI N18.1-1971 AND APPENDIX "A" OF 10 CFR PART 55." SECTION 5.5 OF ANSI N18.1-1971 REQUIRES A TRAINING PROGRAM BE ESTABLISHED WHICH MAINTAINS THE PROFICIENCY OF THE OPERATING ORGANIZATION THROUGH PERIODIC EXERCISES, INSTRUCTIONS, REVIEWS, AND SPECIAL TRAINING SESSIONS. IT ALSO REQUIRES THAT THE PROGRAM PROVIDE MEANS FOR EVALUATING THE EFFECTIVENESS OF THE TRAINING PROGRAMS. CONTRARY TO THE ABOVE REQUIREMENTS, A TRAINING PROGRAM FOR MAINTENANCE PERSONNEL AND TECHNICIANS HAD NOT BEEN ESTABLISHED AS OF DECEMBER 1, 1983. SPECIFICALLY: NO WRITTEN TRAINING PROGRAM WAS PROVIDED FOR PROCUREMENT AND MAINTENANCE PERSONNEL. THERE WAS NO WRITTEN

ENFORCEMENT SUMMARY

TRAINING PROGRAM FOR PERSONNEL INVOLVED IN THE PROCUREMENT PROCESS. BUYERS WERE GIVEN OJT, BUT IT WAS NOT DOCUMENTED. IN GENERAL, PROCUREMENT PERSONNEL WERE UNAWARE OF MANY APPLICABLE REGULATORY REQUIREMENTS THAT IMPACTED UPON PROCUREMENT ACTIVITIES FOR SAFETY-RELATED COMPONENTS. MAINTENANCE ENGINEERS RECEIVED NO FORMAL TRAINING ON THE VARIOUS CODES AND STANDARDS, TECHNICAL SPECIFICATIONS, AND THE FINAL SAFETY ANALYSIS REPORT. THIS WAS CONSIDERED A SIGNIFICANT WEAKNESS BECAUSE THE MAINTENANCE ENGINEERS' RESPONSIBILITIES INCLUDED THE DISPOSITIONING OF NONCONFORMANCE REPORTS, THE DETERMINATION OF SYSTEM AND COMPONENT RETEST REQUIREMENTS, THE SPECIFICATION OF MAINTENANCE PROCEDURES TO BE USED, AND THE REVIEW OF SYSTEM AND COMPONENT RETEST RESULTS.

(8402 4)

PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.5. STATES "A QUORUM OF THE PRC SHALL CONSIST OF THE CHAIRMAN AND TWO MEMBERS INCLUDING ALTERNATES." T.S. 6.5.1.3. STATES IN PART "ALTERNATE...MEMBERS SHALL BE APPOINTED IN WRITING BY THE MANAGER OF NUCLEAR OPERATIONS...." CONTRARY TO THIS REQUIREMENT, ON JULY 15, 1983 AT PRC MEETING NO. 1169, THE COMMITTEE CONSISTED OF THREE PERSONS, HOWEVER TWO OF THE PEOPLE HAD NOT BEEN APPOINTED IN WRITING AS ALTERNATE MEMBERS. PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.6.A. STATES THAT THE PRC SHALL BE RESPONSIBLE FOR "REVIEW OF 1) ALL PROCEDURES REQUIRED BY SPECIFICATION 6.8 AND CHANGES THERTO, 2) ANY OTHER PROPOSED PROCEDURES OR CHANGES THERETO AS DETERMINED BY THE MANAGER OF NUCLEAR OPERATIONS TO AFFECT NUCLEAR SAFETY." CONTRARY TO THIS REQUIREMENT, AT THE TIME OF THE INSPECTION, THE MINUTES OF THE PRC DID SHOW THAT PROCEDURE AP-306V-11, MEASUREMENT OF PRIMARY TO SECONDARY LEAK RATE, REVISION 0 AND PROCEDURE AP-306V-16, TOTAL GAS IN THE REACTOR COOLANT, REVISIONS 0 AND 2 HAD BEEN REVIEWED BY THE PRC: HOWEVER, THE REVISIONS TO THE PROCEDURES WERE SIGNED BY THE CHAIRMAN OF THE PRC. PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.7.A. STATES THAT THE PRC SHALL "RECOMMEND TO THE PLANT SUPERINTENDENT WRITTEN APPROVAL OR DISAPPROVAL OF ITEMS CONSIDERED UNDER 6.5.1.6(A) THROUGH (D)." CONTRARY TO THIS REQUIREMENT, MINUTES OF PRC MEETING NO. 1201 DOCUMENTED A REVIEW OF PROCEDURE I-021, STRONG MOTION SYSTEM CALIBRATION BUT A DETERMINATION OF APPROVAL OR DISAPPROVAL WAS NOT DOCUMENTED IN THE MINUTES OR RECOMMENDED TO THE PLANT SUPERINTENDENT. PLANT REVIEW COMMITTEE (PRC) ACTIVITIES: T.S. 6.5.1.7.B STATES THAT THE PRC SHALL "RENDER DETERMINATIONS IN WRITING WITH REGARD TO WHETHER OR NOT EACH ITEM CONSIDERED UNDER 6.5.1.6(A) THROUGH (E) CONSTITUES AN UNREVIEWED SAFETY QUESTION." CONTRARY TO THIS REQUIREMENT, MINUTES OF THE PRC MEETING NO. 1159 DOCUMENTED REVIEWS OF 9 ABNORMAL TAGS BUT DETERMINATIONS OF WHETHER THE CHANGES CONSTITUTED UNREVIEWED SAFETY QUESTIONS WERE NOT DOCUMENTED.
(8402 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT OPERATED AT 92 PERCENT POWER FROM MAY 1 TO MAY 25, 1984 WHEN THE POWER LEVEL WAS REDUCED TO 50 PERCENT DUE TO A CIRCULATING WATER LEAK INTO THE MAIN CONDENSER. THE PLANT RESUMED 92 PERCENT POWER OPERATION ON MAY 30, 1984 AND REMAINED AT THAT POWER LEVEL FOR THE REST OF THE MONTH.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: 04/27-06/06/84+

INSPECTION REPORT NO: 50-312/84-09+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-11/L0	03-06-84	04-06-84	INCORRECT CONFIGURATION TABLE IN SURVEILLANCE PROCEDURES
84-12/L0	03-03-84	04-02-84	MISSED AUXILIARY BUILDING STACK SAMPLE
84-13/L0	03-06-84	04-05-84	TWO DOORS TO SECURED HIGH RADIATION AREAS FOUND OPEN
84-14/L0	03-12-84	04-12-84	FAILURE TO ADD SIX NEW CONTAINMENT PENETRATIONS TO SURVEILLANCE PROCEDURE
84-15/L0	03-19-84	04-19-84	GENERATOR HYDROGEN EXPLOSION AND FIRE AND LOSS OF NON-NUCLEAR INSTRUMENTS
84-16/L0	04-25-84	05-11-84	CONTAINMENT ISOLATION VALVE STROKE TIME IN EXCESS OF TECH SPEC LIMIT

1. Docket: 50-261 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: H. RAY NORRIS (803) 383-4524
4. Licensed Thermal Power (MWt): 2300
5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769
6. Design Electrical Rating (Net MWe): 700
7. Maximum Dependable Capacity (Gross MWe): 700
8. Maximum Dependable Capacity (Net MWe): 665
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	116,093.0
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)	-1,652	215,135	49,434,759
20. Unit Service Factor	.0	16.9	70.7
21. Unit Avail Factor	.0	16.9	70.7
22. Unit Cap Factor (MDC Net)	.0	8.9	64.0
23. Unit Cap Factor (DER Net)	.0	8.4	60.8
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):

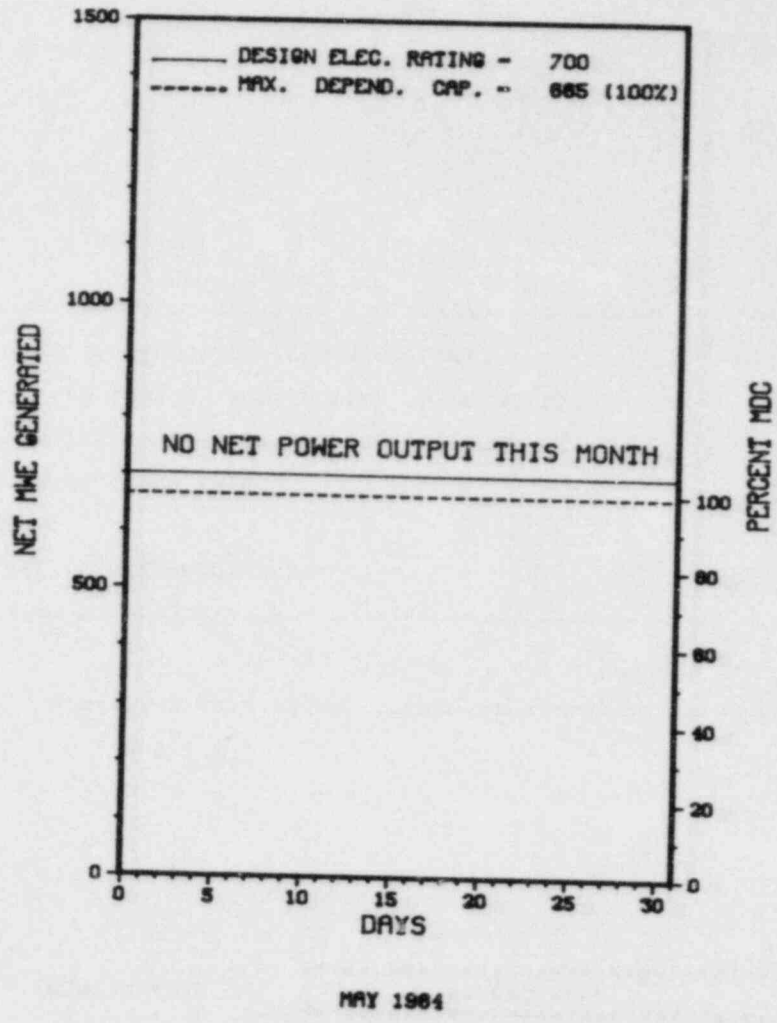
NONE

27. If Currently Shutdown Estimated Startup Date: 10/25/84

****
* ROBINSON 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

ROBINSON 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0501	01/26/84	S	744.0	C	1		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

SUMMARY

ROBINSON 2 REMAINS SHUTDOWN IN AN ONGOING REFUELING/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)

****
* 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 MARCH 19-23 (84-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 86 INSPECTOR-HOURS ON SITE IN THE AREAS OF RESPIRATORY PROTECTION PROGRAM, NUREG-0737 ITEMS, STEAM GENERATOR REPLACEMENT TRAINING, TEMPORARY SHIELDING, GENERAL EMPLOYEE TRAINING, DISPOSAL OF LICENSE MATERIAL, AND POSTING, LABELING AND CONTROL. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN TWO AREAS.

INSPECTION APRIL 10-13 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 29 INSPECTOR-HOURS ON SITE IN THE AREA OF THE STEAM GENERATOR REPLACEMENT PROJECT. OF THE AREA INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (PROCEDURE INADEQUATE FOR SEGREGATION OF WELD RODS WITH EXPOSURE TIME. NO DEVIATIONS WERE OBSERVED.

INSPECTION APRIL 24-27 (84-13): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MODIFICATION PROGRESS, AND STEAM GENERATOR REPLACEMENT PROJECT. VIOLATION - "HOLD POINT BYPASSED WITHOUT DOCUMENTED AUTHORIZATION" NO DEVIATIONS WERE FOUND.

INSPECTION APRIL 16-19 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREAS OF TRAINING AND QUALIFICATIONS OF CONTRACTOR H.P. TECHNICIANS, ALARA PROGRAM, INTERNAL AND EXTERNAL RADIATION EXPOSURES, RADIOACTIVE WASTE SHIPMENTS, TRAINING FOR STEAM GENERATOR REPLACEMENT PROJECT, POSTING, LABELING AND CONTROL RESPIRATORY PROTECTION PROGRAM AND PREVIOUS INSPECTOR FOLLOWUP ITEMS. VIOLATION - FAILURE TO SURVEY MATERIAL RELEASED FROM RCA FOR LOOSE CONTAMINATION.

INSPECTION APRIL 11 - MAY 11 (84-16): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 115 RESIDENT INSPECTOR-HOURS ON SITE IN THE

INSPECTION SUMMARY

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, STEAM GENERATOR REPAIR ACTIVITIES, MODIFICATION ACTIVITIES, AND VIOLATION FOLLOWUP. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI AS IMPLEMENTED BY THE LICENSEE'S CORPORATE QUALITY ASSURANCE PROGRAM SECTION 15 REQUIRES THAT MEASURES SHALL BE ESTABLISHED AND IMPLEMENTED TO ASSURE THAT SIGNIFICANT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY CORRECTED AND CORRECTIVE ACTION IS TAKEN TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, AS OF APRIL 5, 1984 PROCEDURAL REVISIONS REQUIRED TO PREVENT RECURRENCE OF VIOLATION 261/83-24-05 WERE NOT MADE. YOUR RESPONSE, DATED NOVEMBER 3, 1983, TO VIOLATION 261/83-24-05 STATED YOU WOULD COMPLETE THE CORRECTIVE ACTION BY MARCH 31, 1984. 10 CFR 2.201 REQUIRES THE LICENSEE TO SUBMIT TO THE NRC A WRITTEN REPLY TO A NOTICE OF VIOLATION. THIS REPLY SHALL INCLUDE BOTH CORRECTIVE STEPS WHICH WILL BE TAKEN TO AVOID FURTHER VIOLATIONS AND THE DATE WHEN FULL COMPLIANCE WILL BE ACHIEVED. CONTRARY TO THE ABOVE, YOUR RESPONSE TO VIOLATION 261/83-33-01, DATED JANUARY 27, 1984, STATED THAT YOU HAD ENTERED THE EVENTS OF THIS VIOLATION INTO THE OPERATION EXPERIENCE FEEDBACK PROGRAM WHICH ENSURES THAT OTHER PLANT PERSONNEL BECOME AWARE OF THE ERRORS TO PREVENT RECURRENCE. YOU ALSO STATED FULL COMPLIANCE HAD BEEN ACHIEVED. IN FACT, THE EVENTS OF THIS VIOLATION WERE NOT ENTERED INTO THE OPERATIONAL EXPERIENCE FEEDBACK PROGRAM UNTIL MARCH 21, 1984.
(8409 4)

CONTRARY TO TECHNICAL SPECIFICATION 6.5.1.1.1.A ADEQUATE MAINTENANCE PROCEDURES WERE NOT ESTABLISHED.

(8409 5)

CONTRARY TO 10CFR50, APPENDIX B, CRITERION V ACTIVITIES AFFECTING QUALITY WERE NOT ADEQUATELY PRECRIBED BY DOCUMENT INSTRUCTIONS OR PROCEDURES.
(8411 5)

CONTRARY TO 10CFR50, APPENDIX B, CRITERION X AND ADEQUATE INSPECTION PROGRAM FOR ACTIVITIES AFFECTING QUALITY THAT PROHIBITS WORK TO PROCEED BEYOND HOLD POINTS WITHOUT THE CONSENT OF DESIGNATED REPRESENTATIVE WERE NOT ESTABLISHED.
(8413 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OTHER ITEMS

SHUTDOWN FOR STEAM GENERATORS TUBE BUNDLE REPLACEMENT.

LAST IE SITE INSPECTION DATE: APRIL 11 - MAY 11, 1984 +

INSPECTION REPORT NO: 50-261/84-16 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-272 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	60,672.0
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)	-2,324	1,212,703	31,134,015
20. Unit Service Factor	.0	32.8	54.4
21. Unit Avail Factor	.0	32.8	54.4
22. Unit Cap Factor (MDC Net)	.0	30.8	47.6
23. Unit Cap Factor (DER Net)	.0	30.5	47.2
24. Unit Forced Outage Rate	.0	45.8	31.2
25. Forced Outage Hours	.0	1,010.2	15,233.5

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

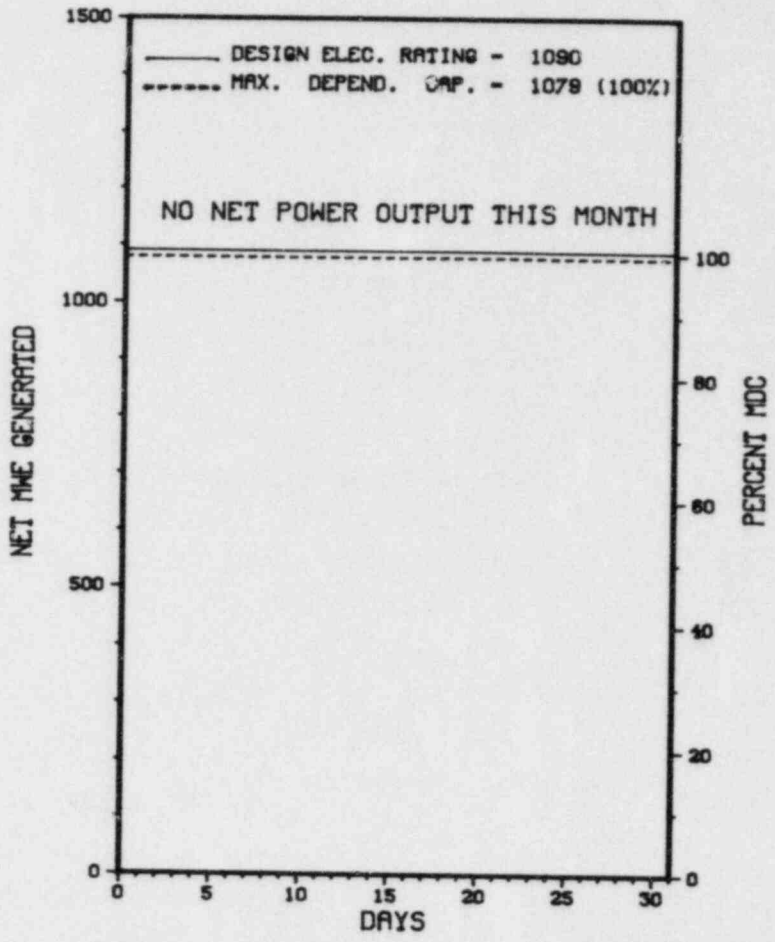
NONE

27. If Currently Shutdown Estimated Startup Date: 08/11/84

****
* SALEM 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



MAY 1984

Report Period MAY 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	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

SUMMARY

SALEM 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

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

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: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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	3,647.0	23,088.0
13. Hours Reactor Critical	594.6	1,497.3	13,205.8
14. Rx Reserve Shtdwn Hrs	.0	1,443.0	3,533.6
15. Hrs Generator On-Line	585.9	1,364.2	12,781.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,927,080	4,398,031	37,869,103
18. Gross Elec Ener (MWH)	649,970	1,454,930	12,323,220
19. Net Elec Ener (MWH)	620,699	1,358,693	11,675,944
20. Unit Service Factor	78.8	37.4	55.4
21. Unit Avail Factor	78.8	37.4	55.4
22. Unit Cap Factor (MDC Net)	75.4	33.7	45.7
23. Unit Cap Factor (DER Net)	74.8	33.4	45.4
24. Unit Forced Outage Rate	21.3	62.6	33.6
25. Forced Outage Hours	158.1	2,282.8	6,465.9

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

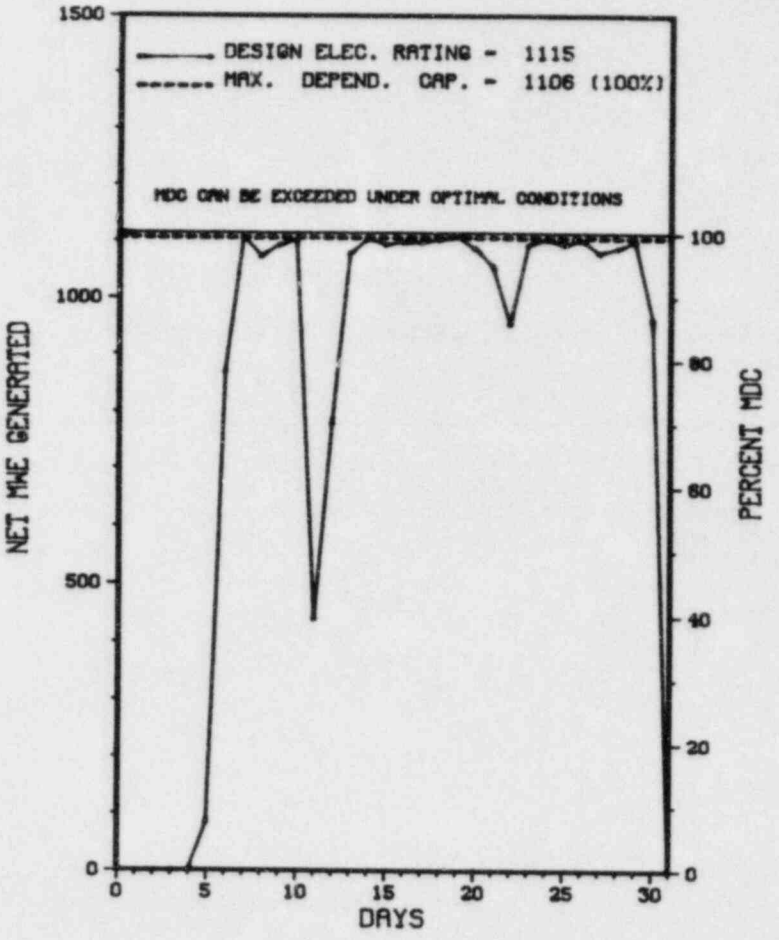
NONE

27. If Currently Shutdown Estimated Startup Date: 06/12/84

****
* SALEM 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SALEM 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-134	04/27/84	F	113.4	A	4		HH	VALVEX	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVE.
84-146	05/11/84	F	12.2	G	3		HH	INSTRU	FEEDWATER REGULATING BOILER LEVEL CONTROL VALVE.
84-170	05/30/84	F	32.5	A	1		SF	VALVEX	HIGH PRESSURE SAFETY INJECTION CORE INJECTION/CORE SPRAY

*** SUMMARY ***

SALEM 2 RETURNED ONLINE FROM A REPAIR OUTAGE ON MAY 5TH AND OPERATED WITH 2 ADDITIONAL OUTAGES DURING 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)

****
* SALEM 2 *
****

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...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.

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

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

1. Docket: 50-206 OPERATING STATUS

2. Reporting Period: 05/01/84 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	3,647.0	148,687.0
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)	-1,293	-10,112	34,931,647
20. Unit Service Factor	.0	.0	55.0
21. Unit Avail Factor	.0	.0	55.0
22. Unit Cap Factor (MDC Net)	.0	.0	51.9
23. Unit Cap Factor (DER Net)	.0	.0	51.9
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):

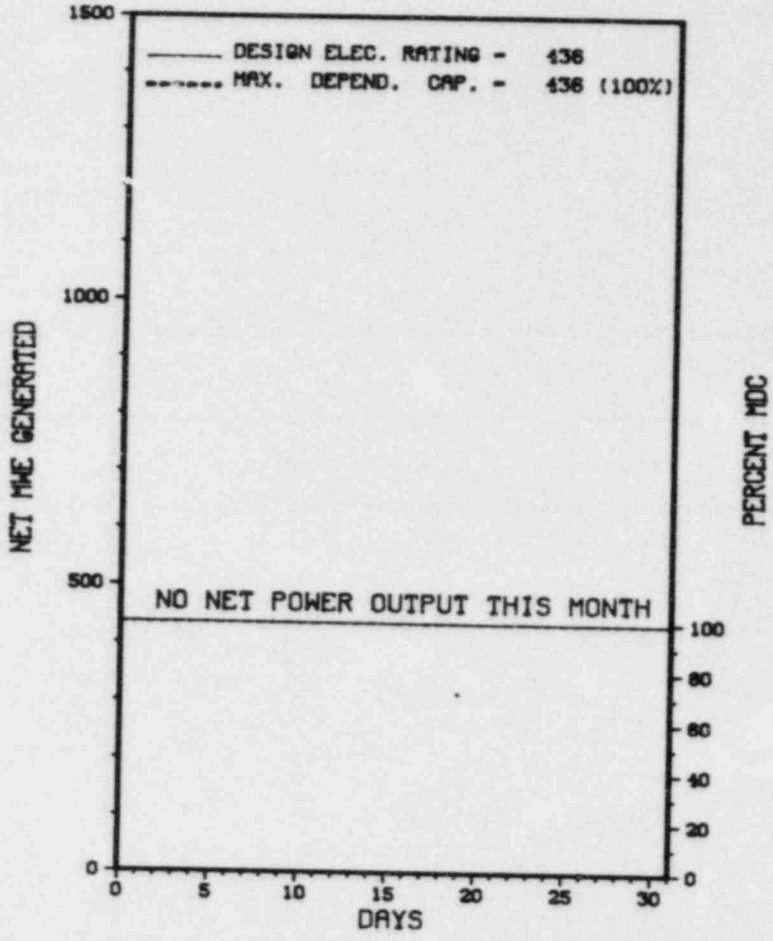
NONE

27. If Currently Shutdown Estimated Startup Date: 10/01/84

****
* SAN ONOFRE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



MAY 1984

Report Period MAY 198'. 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 IN A CONTINUING 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)

****
* SAN ONOFRE 1 *
****

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...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 MARCH 7-16, AND MARCH 30 - APRIL 29, 1984 (REPORT NO. 50-206/84-08) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION; LICENSEE EVENT FOLLOWUP; MONTHLY MAINTENANCE ACTIVITIES; FOLLOWUP OF OUTSTANDING ITEMS AND BULLETINS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 83 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 9-19, 1984 (REPORT NO. 50-206/84-09) INSPECTION CANCELLED.

+ INSPECTION ON APRIL 9, 1984 (REPORT NO. 50-206/84-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 23-27, 1984 (REPORT NO. 50-206/84-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF INSERVICE INSPECTION ACTIVITY AND PRESERVICE INSPECTION RESULTS. ALSO INCLUDED WAS A FOLLOWUP OF PRACTICES REQUIRED BY IE BULLETIN 82-02. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 29 - JUNE 7, 1984 (REPORT NO. 50-206/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

****
* SAN ONOFRE 1 *
****

INSPECTION SUMMARY

+ INSPECTION ON MAY 21-24, 1984 (REPORT NO. 50/206/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

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: 05/29-06/07/84+

INSPECTION REPORT NO: 50-206/84-12+

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: 50-361 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223
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	3,647.0	7,152.0
13. Hours Reactor Critical	744.0	2,766.4	5,379.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,692.2	5,253.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,513,823	8,803,518	17,297,053
18. Gross Elec Ener (MWH)	829,282	2,976,554	5,888,518
19. Net Elec Ener (MWH)	791,141	2,818,931	5,594,575
20. Unit Service Factor	100.0	73.8	73.5
21. Unit Avail Factor	100.0	73.8	73.5
22. Unit Cap Factor (MDC Net)	99.4	72.0	73.1
23. Unit Cap Factor (DER Net)	99.4	72.0	73.1
24. Unit Forced Outage Rate	.0	5.5	4.7
25. Forced Outage Hours	.0	156.8	257.7

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

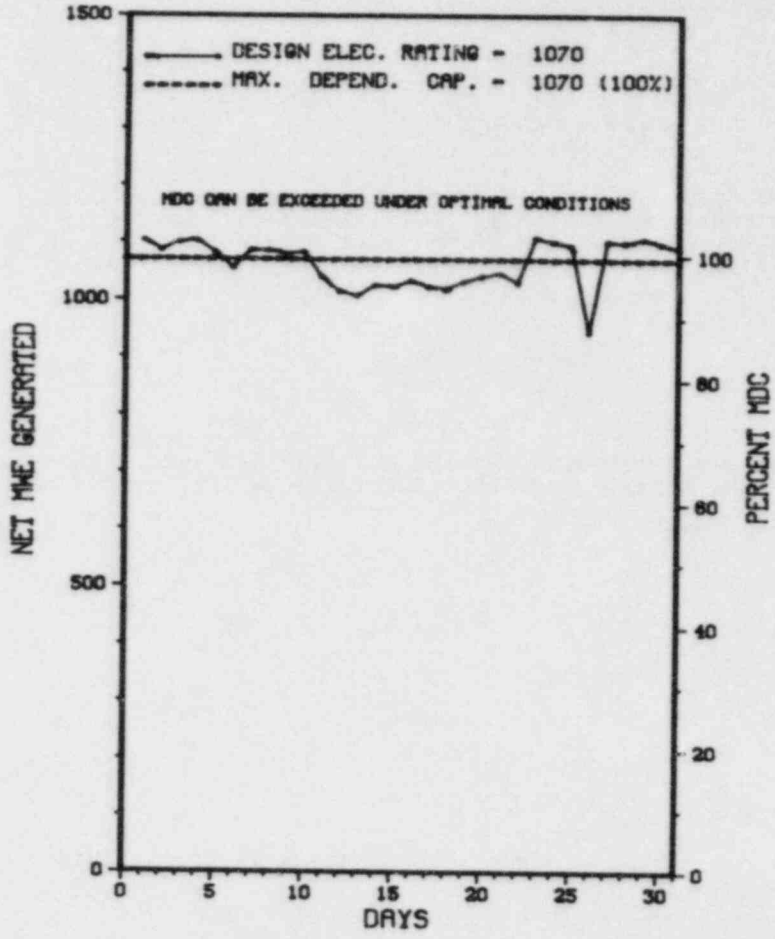
REFUELING, SEPTEMBER 1984, 3 MONTH DURATIONS

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

****
* SAN ONOFRE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 2

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

SUMMARY

SAN ONOFRE 2 OPERATED AT OR NEAR FULL POWER DURING MAY.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & 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 MARCH 26-30, 1984(REPORT NO. 50-361/84-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 7-16, AND MARCH 30 - APRIL 29, 1984 (REPORT NO. 50-361/84-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATION PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION; LICENSEE EVENT FOLLOWUP; EVALUATION OF PLANT TRIPS; MONTHLY SURVEILLANCE ACTIVITIES; FOLLOWUP OF OUTSTANDING ITEMS AND BULLETINS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-361/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 23-27, 1984 (REPORT NO. 50-361/84-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF INSERVICE INSPECTION ACTIVITY AND PRESERVICE INSPECTION RESULTS. ALSO INCLUDED WAS A FOLLOWUP EXAMINATION OF PRACTICES REQUIRED BY IE BULLETIN 82-02. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 6-7, 1984 (REPORT NO. 50-361/84-14) AREAS INSPECTED: SPECIAL, UNANNOUNCED REACTIVE INSPECTION IN RESPONSE TO THE UNPLANNED RELEASE OF GASEOUS AIRBORNE ACTIVITY WHICH RESULTED IN THE LICENSEE'S DECLARATION OF AN UNUSUAL EVENT AT 1840 PDT ON

INSPECTION SUMMARY

MAY 5, 1984. THE INSPECTION INVOVLED 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED; FAILURE TO PROMPTLY CLASSIFY AND DECLARE AN UNUSUAL EVENT AS REQUIRED BY EMERGENCY PLAN IMPLEMENTING PROCEDURE (EPIP) S023-VIII-1, PARAGRAPH 2.

+ INSPECTION ON MAY 29 - JUNE 7, 1984 (REPORT NO. 50-361/84-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

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: 05/29-06/07/84+

INSPECTION REPORT NO: 50-361/84-15+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
03-26-84	03-12-84	03-26-84	RADIATION MONITORS 2RT-7818 AND 2RT-7870 INOPERABLE
84-18/L0	03-24-84	04-23-84	MANUAL INITIATION OF CRIS DUE TO 213 RT-7825 FAILURE
84-22/L0	03-30-84	04-27-84	INDUCED ELECTRONIC SPIKE TRIPPED THE CONTROL ROOM AIR RADIATION MONITOR

1. Docket: 50-362 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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

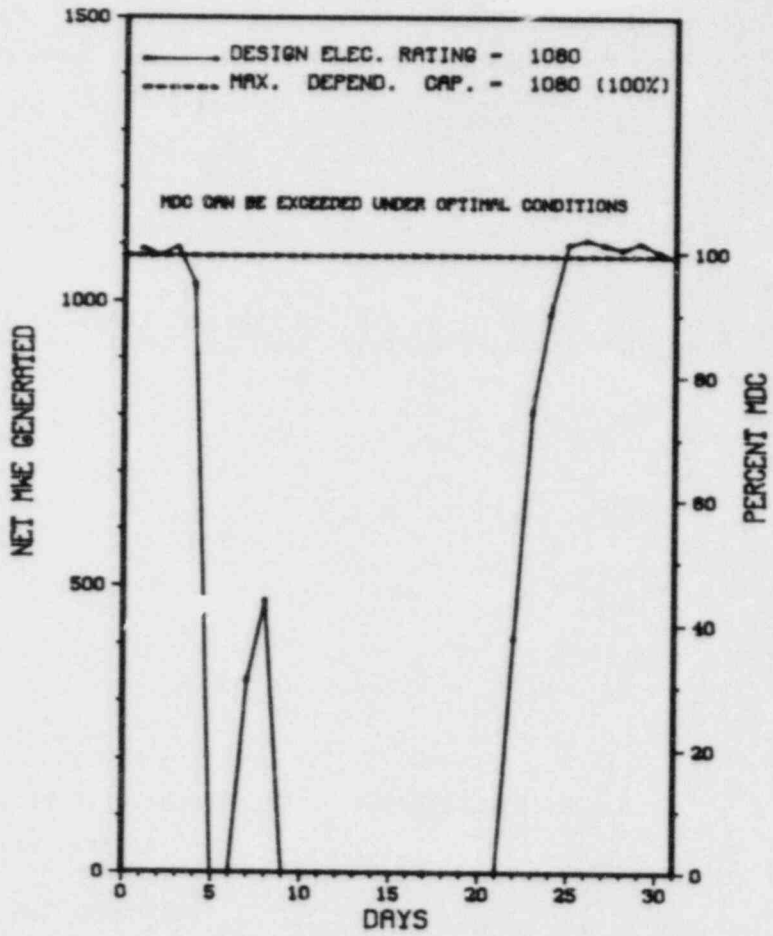
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	1,463.0	1,463.0
13. Hours Reactor Critical	540.7	1,259.7	1,259.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	399.0	1,073.2	1,073.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,157,057	3,342,251	3,342,251
18. Gross Elec Ener (MWH)	381,721	1,112,275	1,112,275
19. Net Elec Ener (MWH)	349,775	1,043,067	1,043,067
20. Unit Service Factor	53.6	73.4	73.4
21. Unit Avail Factor	53.6	73.4	73.4
22. Unit Cap Factor (MDC Net)	43.5	66.0	66.0
23. Unit Cap Factor (DER Net)	43.5	66.0	66.0
24. Unit Forced Outage Rate	.0	.0	.0
25. Forced Outage Hours	0	.0	.0

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

****
* SAN ONOFRE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	05/05/84	S	53.1	B	3				SCHEDULED OUTAGE FOR TURBINE GENERATOR BEARING ADJUSTMENT.
6	05/08/84	S	237.6	B	3				SCHEDULED OUTAGE FOR CORRECTION OF BEARING ALIGNMENT ON TURBINE GENERATOR.
7	05/19/84	S	26.9	B	3				SCHEDULED OUTAGE FOR FURTHER TURBINE GENERATOR BALANCING.
8	05/20/84	S	16.8	B	3				SCHEDULED OUTAGE TO BALANCE TURBINE GENERATOR COUPLING.
9	05/21/84	S	10.6	B	3				SCHEDULED OUTAGE FOR FURTHER TURBINE GENERATOR BALANCING.

SUMMARY

SAN ONOFRE 3 OPERATED WITH 5 OUTAGES FOR MAINTENANCE DURING MAY.

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)

****
* SAN ONOFRE 3 *
****

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...AUGUST 29, 1983

DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983

DATE COMMERCIAL OPERATE....APRIL 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. CHAFFEE

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-362

LICENSE & DATE ISSUANCE....., NOVEMBER 15, 1982

PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 22 - SEPTEMBER 16, 1983 (REPORT NO. 50-362/83-28) INSPECTION CANCELLED.

+ INSPECTION ON MARCH 26-30, 1984 (REPORT NO. 50-362/84-07) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 7-16 AND MARCH 30 - APRIL 29, 1984 (REPORT NO. 50-362/84-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATION PROGRAM AND STARTUP TEST PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION; LICENSEE EVENT FOLLOWUP; POWER ASCENSION TESTING; EVALUATION OF PLANT TRIPS; MONTHLY SURVEILLANCE ACTIVITIES; MONTHLY MAINTENANCE ACTIVITIES; FOLLOWUP OF OUTSTANDING ITEMS AND BULLETINS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 203 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: OF THE NINE AREAS EXAMINED, ONE VIOLATION WAS IDENTIFIED: IMPROPER COMPLETION OF AN EQUIPMENT CONTROL FORM BY AN INSTRUMENT TECHNICIAN ON THE PLANT PROTECTION SYSTEM, IN THAT A CHANNEL OF THE PLANT PROTECTION SYSTEM WAS DECLARED OPERABLE BEFORE THE TESTING ON IT WAS COMPLETED.

+ INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-362/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 23-27, 1984 (REPORT NO. 50-362/84-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF INSERVICE INSPECTION ACTIVITY AND PRESERVICE INSPECTION RESULTS. ALSO INCLUDED WAS A FOLLOWUP EXAMINATION OF PRACTICES REQUIRED BY IE BULLETIN 82-02. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 6-7, 1984 (REPORT NO. 50-362/84-14) AREAS INSPECTED: SPECIAL, UNANNOUNCED REACTIVE INSPECTION IN RESPONSE TO THE UNPLANNED RELEASE OF GASEOUS AIRBORNE ACTIVITY WHICH RESULTED IN THE LICENSEE'S DECLARATION OF AN UNUSUAL EVENT AT 1840 PDT ON MAY 5, 1984. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED; FAILURE TO PROMPTLY CLASSIFY AND DECLARE AN UNUSUAL EVENT AS REQUIRED BY EMERGENCY PLAN IMPLEMENTING PROCEDURE (EPIP) S023-VIII-1, PARAGRAPH 2.

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:

INITIAL CRITICALITY WAS AUGUST 29, 1983. POWER ASCENSION TESTING WAS COMPLETED ON JANUARY 6, 1984. THE UNIT WILL NOW BE SHUT DOWN FOR ABOUT SEVEN WEEKS FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 05/14-18/84

INSPECTION REPORT NO: 50-362/84-12

REPORTS FROM LICENSEE

SAN ONOFRE 3

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-07/L0	03-05-84	05-84	ACTUATION OF THE REACTOR PROTECTION SYSTEM DUE TO SPURIOUS TRIP WHILE TECHNICIAN WORKING IN PANEL
84-13/L0	03-30-84	04-26-84	DOSE I-131 GREATER THAN 1.0 MICROCURIE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 05/01/84 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	3,647.0	25,584.0
13. Hours Reactor Critical	259.1	1,360.9	15,802.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	254.4	1,254.5	15,367.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	565,214	3,480,449	48,972,249
18. Gross Elec Ener (MWH)	172,230	1,139,920	16,521,056
19. Net Elec Ener (MWH)	160,030	1,082,181	15,859,109
20. Unit Service Factor	34.2	34.4	60.1
21. Unit Avail Factor	34.2	34.4	60.1
22. Unit Cap Factor (MDC Net)	18.7	25.8	54.0
23. Unit Cap Factor (DER Net)	18.7	25.8	54.0
24. Unit Forced Outage Rate	65.8	45.1	22.3
25. Forced Outage Hours	488.4	1,031.0	4,411.7

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

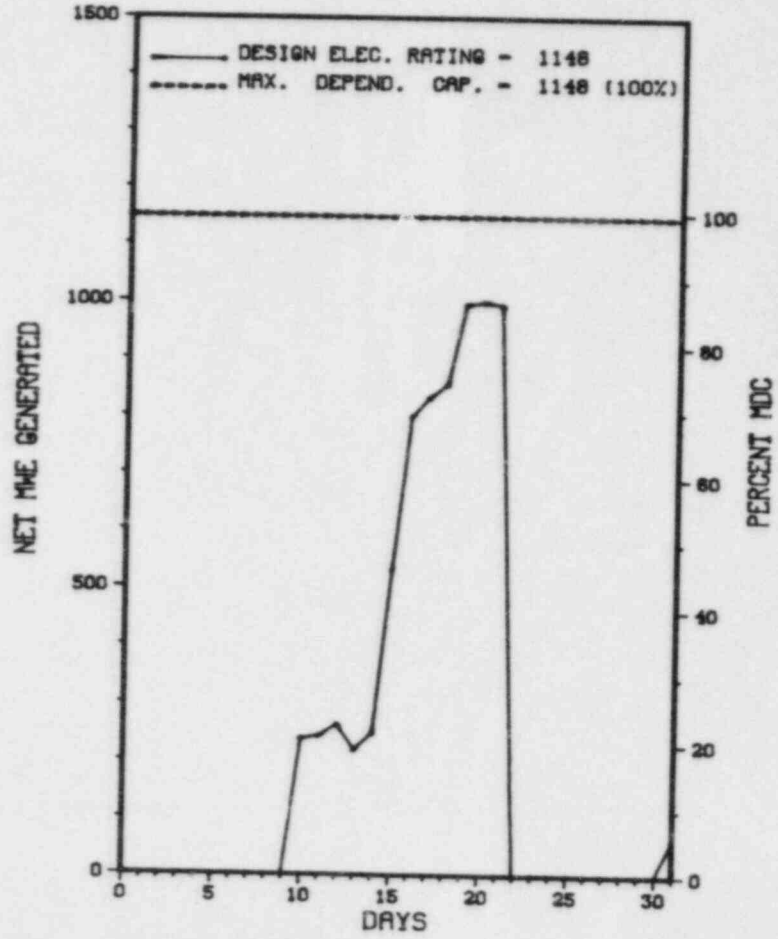
NONE

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

****
* SEQUOYAH 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	04/19/84	F	234.5	A	4				THIMBLE GUIDE TUBE LEAK AT SEAL TABLE.
8	05/10/84	F	19.7	A	3				LOOP #2 LO-LO GENERATOR LEVEL.
9	05/21/84	S	1.2	B	9				TURBINE OVERSPEED TRIP TEST.
10	05/21/84	F	234.2	A	3				GENERATOR ELECTRICAL TROUBLE, FIRST OUT.

SUMMARY

SEQUOYAH 1 RETURNED ONLINE FROM A REPAIR OUTAGE ON MAY 10TH AND OPERATED WITH 3 ADDITIONAL OUTAGES DURING MAY.

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

****
* 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

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 6 - APRIL 5 (84-10): THIS ROUTINE, INSPECTION INVOLVED 104 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, REFUELING ACTIVITIES, MAINTENANCE AND MODIFICATIONS, SURVEILLANCE TESTING, AND INDEPENDENT INSPECTION EFFORT. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW AI-36 FOR MOTOR STORAGE).

INSPECTION APRIL 23-28 (84-12): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION, PREPLANNING AND ALARA CONSIDERATIONS IN THE REMOVAL OF A HIGHLY ACTIVATED IN-CORE THIMBLE WHICH WAS EJECTED FROM THE REACTOR CORE AREA INTO THE IN-CORE INSTRUMENT ROOM. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERIA XIII AND V REQUIRE THAT MEASURES BE ESTABLISHED TO CONTROL THE STORAGE OF MATERIAL AND EQUIPMENT IN ACCORDANCE WITH WORK AND INSPECTION INSTRUCTIONS. THIS REQUIREMENT IS IMPLEMENTED BY THE LICENSEE'S APPROVED QUALITY ASSURANCE PROGRAM "OPERATIONAL QUALITY ASSURANCE MANUAL" PART III, SECTION 2.2, PARAGRAPH 4.2 AND ADMINISTRATIVE INSTRUCTION AI-36 "STORAGE, HANDLING AND SHIPPING OF QA MATERIAL", WHICH REQUIRES THAT ALL HORIZONTAL 6.6 KV ELECTRIC MOTORS BE STORED WITH THE BEARING RESERVOIR FILLED WITH THE PROPER OIL. CONTRARY TO THE ABOVE, EQUIPMENT WAS NOT BEING STORED IN ACCORDANCE WITH INSTRUCTIONS IN THAT ON MARCH 9 AND 12, 1984 THE INSPECTOR IDENTIFIED SIX 6.6 KV ELECTRIC MOTORS THAT WERE BEING STORED IN THE POWER STORES

ENFORCEMENT SUMMARY

MODIFICATION WAREHOUSE WITH THE BEARING RESERVOIRS DRY. 10 CFR 50, APPENDIX B, CRITERIA XIII AND V REQUIRE THAT MEASURES BE ESTABLISHED TO CONTROL THE STORAGE OF MATERIAL AND EQUIPMENT IN ACCORDANCE WITH WORK AND INSPECTION INSTRUCTIONS. THIS REQUIREMENT IS IMPLEMENTED BY THE LICENSEE'S APPROVED QUALITY ASSURANCE PROGRAM "OPERATIONAL QUALITY ASSURANCE MANUAL" PART III, SECTION 2.2, PARAGRAPH 4.2 AND ADMINISTRATIVE INSTRUCTION AI-36 "STORAGE, HANDLING AND SHIPPING OF QA MATERIAL", WHICH REQUIRES THAT ALL HORIZONTAL 6.6 KV ELECTRIC MOTORS BE STORED WITH THE BEARING RESERVOIR FILLED WITH THE PROPER OIL. CONTRARY TO THE ABOVE, EQUIPMENT WAS NOT BEING STORED IN ACCORDANCE WITH INSTRUCTIONS IN THAT ON MARCH 9 AND 12, 1984 THE INSPECTOR IDENTIFIED SIX 6.6 KV ELECTRIC MOTORS THAT WERE BEING STORED IN THE POWER STORES MODIFICATION WAREHOUSE WITH THE BEARING RESERVOIRS DRY. (8410 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ 100%

LAST IE SITE INSPECTION DATE: APRIL 23-28, 1984 +

INSPECTION REPORT NO: 50-327/84-12 +

REPORTS FROM LICENSEE

SEQUOYAH 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-022/--	03/30/84	04/27/84	HIGH RAD ALARM ACTUATED CAUSING CONTAINMENT VENTILATION ISOLATION TO OCCUR, CAUSED BY A VOLTAGE SPIKE.
84-023/--	04/02/84	05/01/84	PORVS MODIFIED TO AN INOPERABLE (REVERSE FROM NORMAL) STATE, THE SURVEILLANCE INSTRUCTION HAS BEEN REVISED.
84-024/--	04/13/84	05/11/84	PERSONNEL FAILED TO REALIZE THAT MORE THAN ONE LCO WAS OVERLOOKED.
84-026/--	04/17/84	05/15/84	A TURBINE TRIP OCCURRED DUE TO FAILURE OF A GENERATOR STATOR COOLING WATER PUMP.
84-027/--	04/20/84	05/18/84	HIGH RAD ALARM ACTUATED WHICH CAUSED A CONTAINMENT VENTILATION ISOLATION TO OCCUR, A TIME DELAY IS BEING ADDED TO THE ACTUATION SIGNAL TO ALLOW TIME FOR SPIKES TO DECAY.
84-028/--	04/18/84	05/17/84	HIGH RAD ALARM ACTUATED CAUSING AN AUXILIARY BUILDING ISOLATION TO OCCUR.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-328 OPERATING STATUS
2. Reporting Period: 05/01/84 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

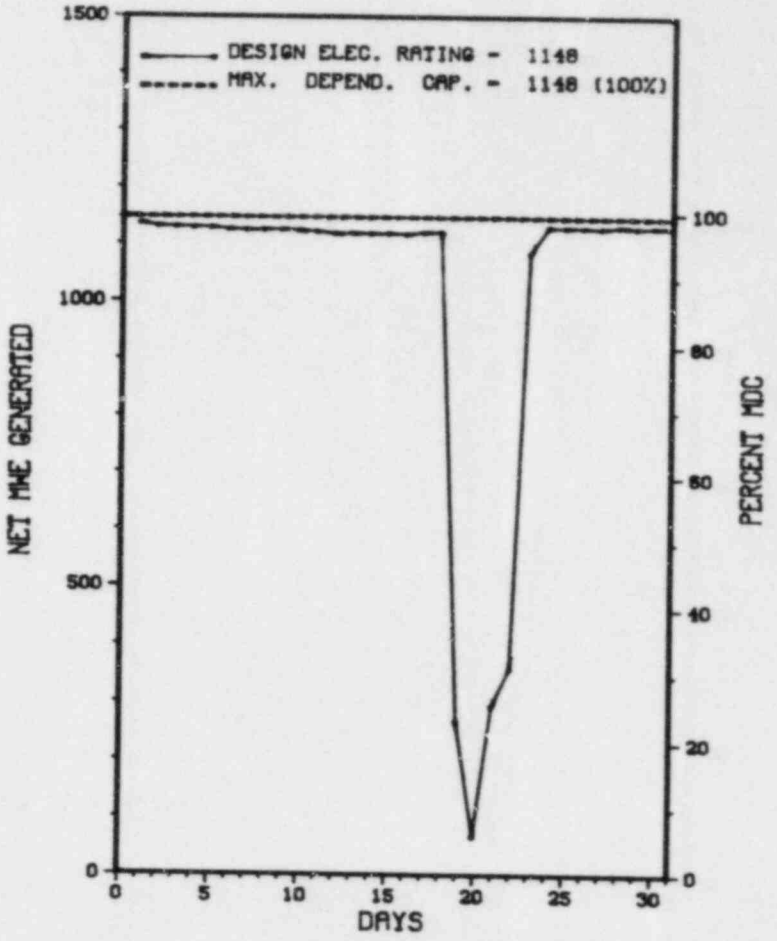
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	17,544.0
13. Hours Reactor Critical	728.6	3,571.4	13,932.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	714.0	3,552.6	13,707.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,287,795	11,885,955	44,304,022
18. Gross Elec Ener (MWH)	779,390	4,100,910	15,132,850
19. Net Elec Ener (MWH)	748,394	3,951,797	14,569,535
20. Unit Service Factor	96.0	97.4	78.1
21. Unit Avail Factor	96.0	97.4	78.1
22. Unit Cap Factor (MDC Net)	87.6	94.4	72.3
23. Unit Cap Factor (DER Net)	87.6	94.4	72.3
24. Unit Forced Outage Rate	4.0	2.6	8.0
25. Forced Outage Hours	30.0	94.4	1,196.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING/MODIFICATION: SEPT. 3, 1984 - 7 WKS.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	05/18/84	F	0.0	B	5				DROP LOAD TO ADD OIL TO #3 R.C.P.
3	05/19/84	F	30.0	G	3				U.O. TRIPPED OIL PUMP ON "A" M.F.P.T. WHILE "B" M.F.P.T. WAS OUT OF SERVICE.

SUMMARY

SEQUOYAH 2 OPERATED ROUTINELY DURING THE MAY 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)

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period MAY 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

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 6 - APRIL 5 (84-10): THIS ROUTINE, INSPECTION INVOLVED 104 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, REFUELING ACTIVITIES, MAINTENANCE AND MODIFICATIONS, SURVEILLANCE TESTING, AND INDEPENDENT INSPECTION EFFORT. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW AI-36 FOR MOTOR STORAGE).

INSPECTION APRIL 23-28 (84-12): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION, PREPLANNING AND ALARA CONSIDERATIONS IN THE REMOVAL OF A HIGHLY ACTIVATED IN-CORE THIMBLE WHICH WAS EJECTED FROM THE REACTOR CORE AREA INTO THE IN-CORE INSTRUMENT ROOM. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: APRIL 23-28, 1984 +

INSPECTION REPORT NO: 50-328/84-12 +

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
84-004/ --	03/26/84	04/24/84	LOSS OF 6.9 KV UNIT BOARD, CAUSING STANDBY DIESEL GENERATORS STARTING, DUE TO A C-PHASE TO GROUND FAULT ON A 500 KV BREAKER.
84-005/ --	03/29/84	04/27/84	CHANNEL FUNCTION TEST OF ESF INSTRUMENTATION FOR AUTO. SWITCHOVER TO CONTAINMENT SUMP NOT COMPLETED WITHIN TECHNICAL SPECIFICATION, DUE TO PERSONNEL ERROR.
84-006/ --	04/06/84	05/01/84	HIGH RAD ALARM ACTUATED CAUSING A CONTAINMENT VENTILATION ISOLATION TO OCCUR, 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: 05/01/84 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 0.89 = 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	3,647.0	65,255
13. Hours Reactor Critical	426.2	479.8	44,946.1
14. Rx Reserve Shtdwn Hrs	0	.0	205.3
15. Hrs Generator On-Line	368.5	368.5	43,945.4
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	798,009	798,009	109,465,947
18. Gross Elec Ener (MWH)	260,820	260,820	35,634,695
19. Net Elec Ener (MWH)	240,932	225,726	33,555,426
20. Unit Service Factor	49.5	10.1	67.3
21. Unit Avail Factor	49.5	10.1	67.4
22. Unit Cap Factor (MDC Net)	39.4	7.5	62.6
23. Unit Cap Factor (DER Net)	39.0	7.5	62.0
24. Unit Forced Outage Rate	.0	.0	4.6
25. Forced Outage Hours	.0	.0	2,104.7

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

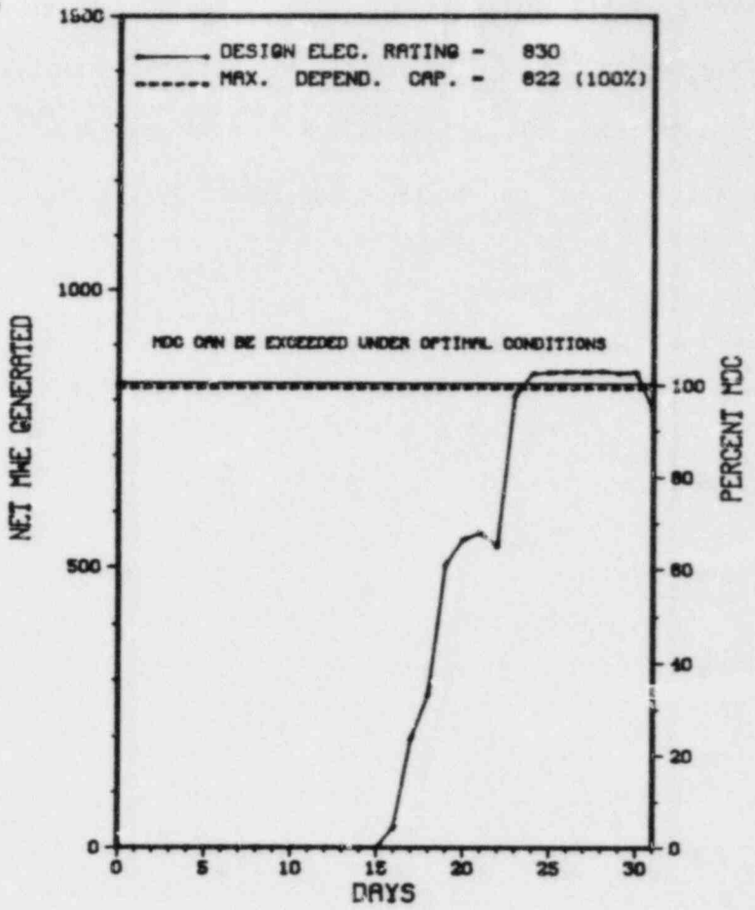
NONE

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

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

ST LUCIE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	02/26/83	S	373.9	C	4		RC	FUELXX	UNIT #1 RETURNED TO POWER FOLLOWING REFUELING AND SCHEDULED MAINTENANCE.
04	05/17/84	S	1.6	B	9		HA	TURBIN	TURBINE OVERSPEED TRIP TEST.

SUMMARY

ST. LUCIE 1 RETURNED ONLINE ON MAY 16TH FROM REFUELING AND MAINTENANCE AND OPERATED WITH 1 ADDITIONAL OUTAGE FOR TESTING DURING MAY.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & 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

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 17-20 (84-11): THIS INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. AREAS INSPECTED: INCLUDED REVIEW OF PHYSICAL SECURITY PLAN REVISION 8, AND IMPLEMENTING INSTRUCTIONS; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREA; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREAS; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 13 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION APRIL 18-19 AND 24-30 (84-14): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF PRIMARY SYSTEM VALVE LEAK CHECK, ROD DROP TIME TESTING, INITIAL CRITICALITY, ZERO POWER PHYSICS TESTING, AND CONTROL ROOM TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 18 (84-17): THE INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. AREAS INSPECTED: INCLUDED REVIEW OF THE CIRCUMSTANCES SURROUNDING A PHYSICAL SECURITY EVENT RELATING TO AN INSECURE VITAL AREA DOOR. APPLICABLE AREAS INSPECTED INCLUDED PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; ACCESS CONTROL-VITAL AREAS; AND RECORDS AND REPORTS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE THREE AREAS EXAMINED DURING THE INSPECTION.

****
* ST LUCIE 1 *
****

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APPENDIX B, CRITERION V AS IMPLEMENTED BY THE LICENSEE QA PROGRAM (FPL-NQA-100A, REVISION 6 AND QP 17.1, THE COLLECTION AND STORAGE OF QUALITY ASSURANCE RECORDS FOR NUCLEAR POWER PLANTS, REVISION 11. (1) QP 17.1, PARAGRAPH 5.3.1 REQUIREMENTS HAVE NOT BEEN ESTABLISHED FOR SATELLITE RECORD LOCATIONS. (2) QP 17.1, PARAGRAPH 5.3.B REQUIREMENTS HAVE NOT BEEN ESTABLISHED FOR 1 HOUR FIRE RATED CABINET ADEQUACY.
(8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DURING REFUELING OUTAGE, THE THERMAL SHIELD WITHIN THE REACTOR VESSEL WAS FOUND TO BE BROKEN. THE SHIELD IS BEING REMOVED.

FACILITY ITEMS (PLANS AND PROCEDURES):

EXTENDED OUTAGE, RESTART PLANNED IN EARLY 1984.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: MAY 18, 1984 +

INSPECTION REPORT NO: 50-335/84-17 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-389 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	7,152.0
13. Hours Reactor Critical	744.0	3,628.4	6,855.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,492.6	6,623.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,898,244	8,829,801	16,487,745
18. Gross Elec Ener (MWH)	633,400	2,961,680	5,504,900
19. Net Elec Ener (MWH)	599,952	2,801,006	5,198,592
20. Unit Service Factor	100.0	95.8	92.6
21. Unit Avail Factor	100.0	95.8	92.6
22. Unit Cap Factor (MDC Net)	102.6	97.7	92.5
23. Unit Cap Factor (DER Net)	100.3	95.5	90.4
24. Unit Forced Outage Rate	.0	3.4	7.0
25. Forced Outage Hours	.0	124.3	498.9

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

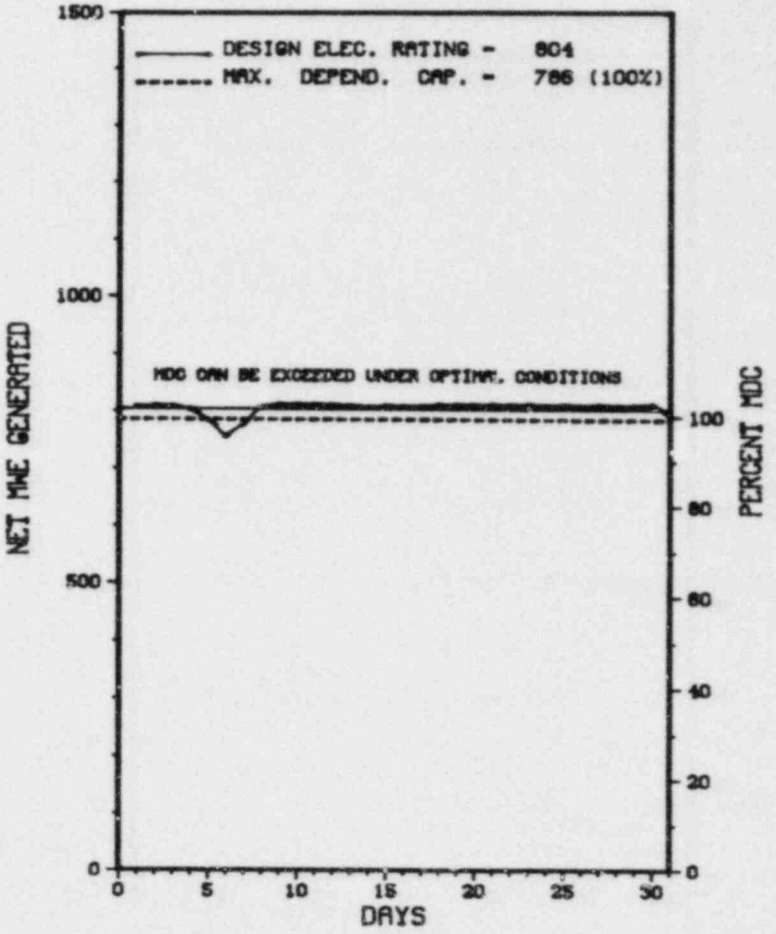
NONE

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

****
* ST LUCIE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



MAY 1984

Report Period MAY 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 AT FULL POWER DURING MAY.

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

****
* ST LUCIE 2 *
****

FACILITY DATA

Report Period MAY 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 APRIL 17-20 (84-13): THIS INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. AREAS INSPECTED: INCLUDED REVIEW OF PHYSICAL SECURITY PLAN REVISION 8, AND IMPLEMENTING INSTRUCTIONS; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREA; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREAS; DETECTION AIDS-VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 13 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION APRIL 18-19 AND 24-30 (84-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF PRIMARY SYSTEM VALVE LEAK CHECK, ROD DROP TIME TESTING, INITIAL CRITICALITY, ZERO POWER PHYSICS TESTING, AND CONTROL ROOM TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 14-19 (84-22): THE INSPECTION INVOLVED 2 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. AREAS INSPECTED: INCLUDED REVIEW OF THE CIRCUMSTANCES SURROUNDING A PHYSICAL SECURITY EVENT RELATING TO AN INSECURE VITAL AREA DOOR. APPLICABLE AREAS INSPECTED INCLUDED PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; ACCESS CONTROL-VITAL AREAS; AND RECORDS AND REPORTS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE THREE AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MAY 14-19, 1984 +

INSPECTION REPORT NO: 50-389/84-22 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-395 OPERATING STATUS
2. Reporting Period: 05/01/84 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 MWe): 0900
6. Design Electrical Rating (Net MWe): 900
7. Maximum Dependable Capacity (Gross MWe): 900
8. Maximum Dependable Capacity (Net MWe): 885
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	3,647.0
13. Hours Reactor Critical	673.8	2,686.3	2,686.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	642.0	2,571.0	2,571.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,704,230	6,946,245	6,946,245
18. Gross Elec Ener (MWH)	567,668	2,318,903	2,318,903
19. Net Elec Ener (MWH)	541,650	2,212,789	2,212,789
20. Unit Service Factor	86.3	70.5	70.5
21. Unit Avail Factor	86.3	70.5	70.5
22. Unit Cap Factor (MDC Net)	82.3	68.1	68.6
23. Unit Cap Factor (DER Net)	80.9	67.4	67.4
24. Unit Forced Outage Rate	7.9	10.2	10.2
25. Forced Outage Hours	55.2	291.2	291.2

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

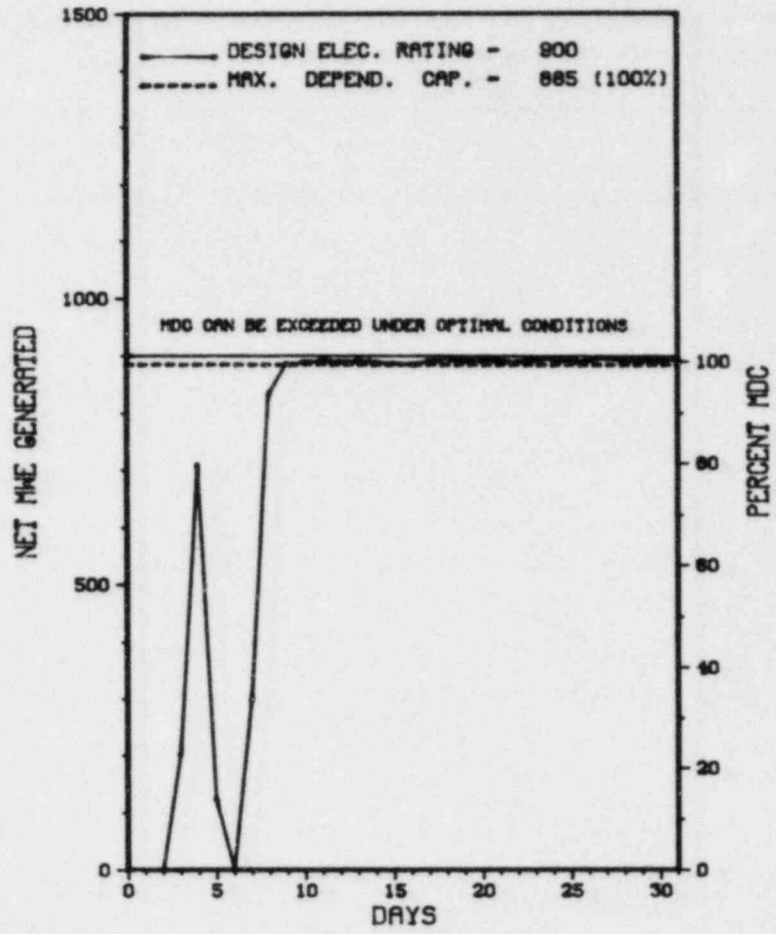
REFUELING, SEPTEMBER 1984, 60 DAYS.

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

****
* SUMMER 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SUMMER 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/25/84	F	55.2	A	4				CONTINUATION OF OUTAGE FOR TURBINE TRIP FROM THRUST BEARING WEAR DETECTOR.
6	05/05/84	S	46.8	B	1				PLANT SHUTDOWN TO TEST FEEDWATER REGULATING VALVES.

SUMMARY

SUMMER 1 RETURNED ONLINE FROM A REPAIR OUTAGE ON MAY 3RD AND OPERATED WITH 1 ADDITIONAL OUTAGE FOR TESTING DURING MAY.

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

****
* SUMMER 1 *
****

FACILITY DATA

Report Period MAY 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

+ TECHNICAL MEETING MAY 3 (84-13): THIS MEETING WAS HELD WITH SOUTH CAROLINA ELECTRIC AND GAS COMPANY (SCE&G) REPRESENTATIVE IN THE REGION II OFFICE FOR THE PURPOSE OF ALLOWING SCE&G AN OPORTUNITY TO DEMONSTRATE THE ABILITY OF THEIR ULTRASONIC EXAMINATION PROCEDURE AND EQUIPMENT (WHICH INCLUDED A NEW DESIGN TRANSDUCER) TO DETECT, LOCATE, AND SIZE ACTUAL FLAWS AND ARTIFICAL REFLECTORS IN REGION II'S CENTRIFUGUALLY CAST STAINLESS STEEL TEST SPECIMENS. SCE&G WAS SUCCESSFUL IN DETECTING, LOCATING, AND SIZING I.D. REFLECTORS, INCLUDING CRACKS, THAT HAD PREVIOUSLY NOT BEEN DETECTABLE. THIS DEMONSTRATION AND PROCEDURE REVIEW RESOLVED INSPECTOR FOLLOWUP ITEMS 395/82-13-03: "CRITERIA FOR LOCATING AND SIZING ANY INDICATIONS DETECTED BY REFRACTIVE WAVE SCANNING", AND 395/82-41-05: "INSERVICE INSPECTION AND TESTING (SECTION 5.2.4, SSER 3)."

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

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: MAY 3, 1984 +

INSPECTION REPORT NO: 50-395/84-13 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	03/23/84	04/27/84	11 SUPPORTS WOULD NOT MAINTAIN THEIR DESIGN FUNCTION AND 9 OF 11 SNUBBERS FAILED THE FUNCTIONAL TEST, REPAIRED AND REPLACED.
84-019	04/08/84	05/07/84	PRESSURIZER SAFETY RELIEF VALVE 8010-C REMOVED AND TESTED, THE VALVE LIFTED AT 2590 PSI, DUE TO A SUSPECTED LEAKAGE.
84-020	04/07/84	05/07/84	AN INADEQUATE CALIBRATION PROCEDURE IDENTIFIED, SURVEILLANCE TEST PROCEDURE WAS REVISED.
84-021	04/09/84	05/09/84	DEGRAD. OF KAOWOOL FIRE WRAP ON 3 CABLE TRAYS AND 4 CONDUITS LOCATED IN THE CHASE AREA OF CNTRL BLDG., DUE TO PERSONNEL ERROR AND AGING.

1. Docket: 50-280 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	100,295.0
13. Hours Reactor Critical	602.7	2,758.9	61,857.9
14. Rx Reserve Shtdwn Hrs	.0	9.3	3,774.5
15. Hrs Generator On-Line	602.6	2,711.4	60,578.2
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	1,455,181	6,422,658	140,823,271
18. Gross Elec Ener (MWH)	474,055	2,078,725	45,398,568
19. Net Elec Ener (MWH)	450,373	1,974,547	43,052,283
20. Unit Service Factor	81.0	74.3	60.4
21. Unit Avail Factor	81.0	74.3	64.1
22. Unit Cap Factor (MDC Net)	78.1	69.9	55.4
23. Unit Cap Factor (DER Net)	76.8	68.7	54.5
24. Unit Forced Outage Rate	.0	1.4	20.9
25. Forced Outage Hours	.0	39.8	12,251.6

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

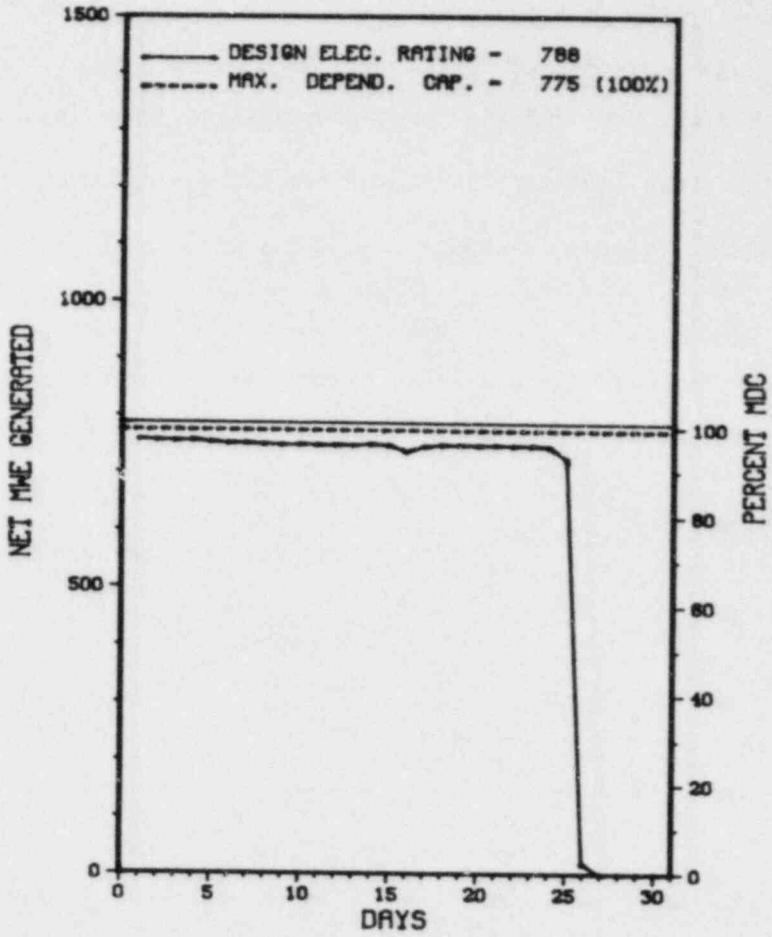
NONE

27. If Currently Shutdown Estimated Startup Date: 06/05/84

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SURRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	05/26/84	S	141.4	D	1				UNIT WAS SHUTDOWN FOR SCHEDULED SNUBBER OUTAGE.

SUMMARY

SURRY 1 SHUTDOWN ON MAY 26TH FOR A 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 MAY 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 MARCH 26-30 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE (84-14) WAS HELD IN THE REGION II OFFICE ON APRIL 17, 1984, AT 1:00 P.M. MR. JAMES P. O'REILLY OPENED THE MEETING THEN MR. J. H. FERGUSON, MR. W. L. STEWART, MR. W. R. CARTWRIGHT, MR. E. W. HARRELL, AND MR. J. L. WILSON PRESENTED VIRGINIA ELECTRIC AND POWER COMPANY'S DESCRIPTION OF SEVERAL ITEMS OF CONCERN THAT WERE IDENTIFIED DURING RECENT NRC INSPECTIONS AT THE NORTH ANNA AND SURRY FACILITIES. THE DETAILS OF THE NRC FINDINGS WILL BE DESCRIBED IN NRC 50-339/84-06, 50-280/84-10, 50-281/84-10, 50-280/84-11 AND 50-281/84-11. THE ISSUES LISTED BELOW WERE DISCUSSED FOR SAFETY SIGNIFICANCE AND CORRECTIVE ACTIONS TO PREVENT RECURRENCE. (1) SURRY SNUBBER INSPECTION PROGRAM: THE ESTABLISHMENT OF SNUBBER SERVICE LIFE AS REQUIRED BY TECHNICAL SPECIFICATIONS WAS NOT FULLY IMPLEMENTED; (2) NORTH ANNA AND SURRY REACTOR VESSEL HEAD VENTS: THE FUNCTIONAL OPERABILITY OF THE HEAD VENTS WAS DELAYED DUE TO MISINTERPRETATION OF THE 10 CFR 50.44 RULE REQUIREMENTS. THIS RESULTED IN MANUAL ISOLATION VALVES BEING CLOSED AND PROCEDURAL AND TRAINING REQUIREMENT DELAYS; (3) QUALITY ASSURANCE PROGRAM: QA INVOLVEMENT IN PLANT AND CORPORATE ACTIVITIES SHOULD HAVE PREVENTED THESE OCCURRENCES; (4) REACTOR TRIP BREAKER MAINTENANCE: TIMELY INCORPORATION OF VENDOR RECOMMENDATIONS IN BREAKER MAINTENANCE PROCEDURES WILL BE FURTHER REVIEWED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 17, 1984 +

INSPECTION REPORT NO: 50-280/84-14 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007	03/28/84	04/27/84	FRVS WOULD NOT HAVE CLOSED BECAUSE INSTRUMENT AIR TUBING FROM FRVS' ACTUATOR HAD BEEN CONNECTED TO WRONG PORT.

1. Docket: 50-281 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	97,175.0
13. Hours Reactor Critical	744.0	2,907.4	61,478.0
14. Rx Reserve Shtdwn Hrs	.0	23.8	23.8
15. Hrs Generator On-Line	744.0	2,858.9	60,434.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,758,693	6,670,990	141,386,862
18. Gross Elec Ener (MWH)	564,495	2,135,980	45,925,839
19. Net Elec Ener (MWH)	535,005	2,023,754	43,530,814
20. Unit Service Factor	100.0	78.4	62.2
21. Unit Avail Factor	100.0	78.4	62.2
22. Unit Cap Factor (MDC Net)	92.8	71.6	57.8
23. Unit Cap Factor (DER Net)	91.3	70.4	56.8
24. Unit Forced Outage Rate	.0	13.1	14.1
25. Forced Outage Hours	.0	431.6	7,258.2

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

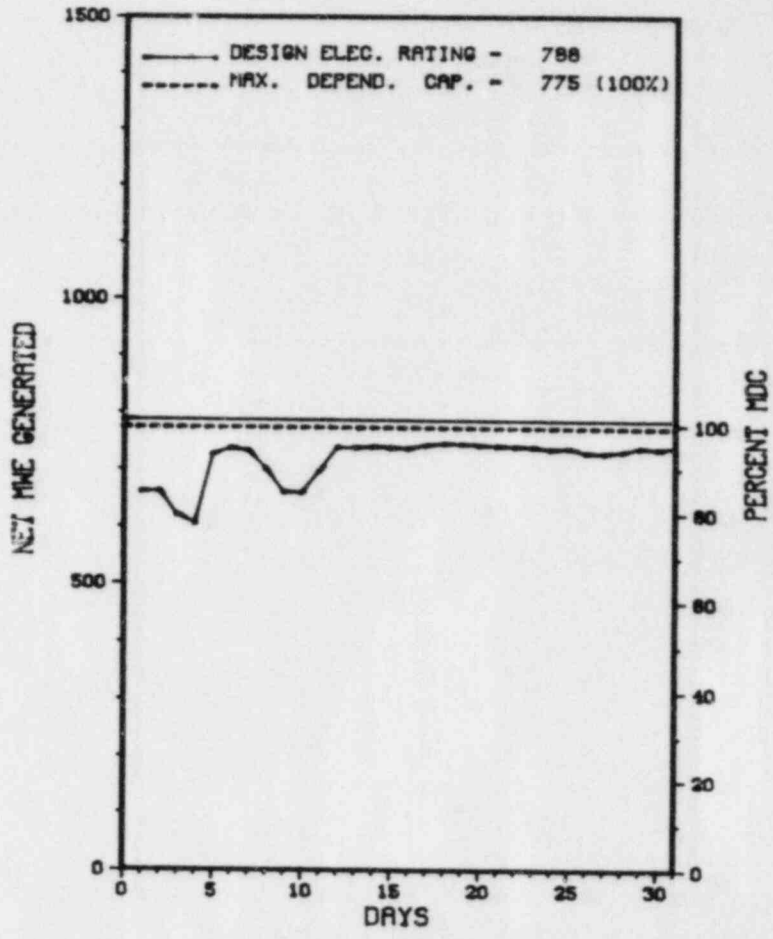
FALL MAINTENANCE - 11/13/84 - 10 DAYS

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

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SURRY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-16	05/08/84	S	0.0	H	5				UNIT WAS REDUCED TO 57% POWER (440 MW'S) FOR LOAD FOLLOWING.
84-17	05/09/84	S	0.0	H	5				UNIT WAS REDUCED TO 55% POWER (460 MW'S) FOR LOAD FOLLOWING.
84-18	05/10/84	S	0.0	H	5				UNIT WAS REDUCED TO 76% POWER (600 MW'S) FOR LOAD FOLLOWING.

SUMMARY

SURRY 2 OPERATED WITH 3 REDUCTIONS AND NO OUTAGES DURING MAY.

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

****
* SURRY 2 *
****

FACILITY DATA

Report Period MAY 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

+ INSPECTION MARCH 26-30 (84-12): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE (84-14) WAS HELD IN THE REGION II OFFICE ON APRIL 17, 1984, AT 1:00 P.M. MR. JAMES P. O'REILLY OPENED THE MEETING THEN MR. J. H. FERGUSON, MR. W. L. STEWART, MR. W. R. CARTWRIGHT, MR. E. W. HARRELL, AND MR. J. L. WILSON PRESENTED VIRGINIA ELECTRIC AND POWER COMPANY'S DESCRIPTION OF SEVERAL ITEMS OF CONCERN THAT WERE IDENTIFIED DURING RECENT NRC INSPECTIONS AT THE NORTH ANNA AND SURRY FACILITIES. THE DETAILS OF THE NRC FINDINGS WILL BE DESCRIBED IN NRC 50-339/84-06, 50-280/84-10, 50-281/84-10, 50-280/84-11 AND 50-281/84-11. THE ISSUES LISTED BELOW WERE DISCUSSED FOR SAFETY SIGNIFICANCE AND CORRECTIVE ACTIONS TO PREVENT RECURRENCE. (1) SURRY SNUBBER INSPECTION PROGRAM: THE ESTABLISHMENT OF SNUBBER SERVICE LIFE AS REQUIRED BY TECHNICAL SPECIFICATIONS WAS NOT FULLY IMPLEMENTED; (2) NORTH ANNA AND SURRY REACTOR VESSEL HEAD VENTS: THE FUNCTIONAL OPERABILITY OF THE HEAD VENTS WAS DELAYED DUE TO MISINTERPRETATION OF THE 10 CFR 50.44 RULE REQUIREMENTS. THIS RESULTED IN MANUAL ISOLATION VALVES BEING CLOSED AND PROCEDURAL AND TRAINING REQUIREMENT DELAYS; (3) QUALITY ASSURANCE PROGRAM: QA INVOLVEMENT IN PLANT AND CORPORATE ACTIVITIES SHOULD HAVE PREVENTED THESE OCCURRENCES; (4) REACTOR TRIP BREAKER MAINTENANCE: TIMELY INCORPORATION OF VENDOR RECOMMENDATIONS IN BREAKER MAINTENANCE PROCEDURES WILL BE FURTHER REVIEWED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING AND 10 YEAR IN-SERVICE INSPECTION (ISI).

LAST IE SITE INSPECTION DATE: APRIL 17, 1984 +

INSPECTION REPORT NO: 50-281/84-14 +

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
83-060 03L	12/20/83	04/23/84	FEEDER BRKER FOR HEAT TRACING PANEL 2B1 TRIPPED, DUE TO A GROUND FAULT THAT OCCURRED WHEN POWER SUPPLY A.C. FUSE BLEW.
84-005	03/16/84	--	RCP TRIP, DUE TO WATER IN ELECTRICAL PENETRATION FOR ITS MOTOR LEADS.
84-008	03/23/84	04/23/84	4160 VOLT MOTOR LEADS FOR UNIT'S RESIDUAL HEAT REMOVAL PUMP MOTORS IMPROPERLY ELECTRICALLY INSULATED.

1. Docket: 50-387 OPERATING STATUS
2. Reporting Period: 05/01/84 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	3,647.0	8,616.0
13. Hours Reactor Critical	744.0	1,897.0	5,742.3
14. Rx Reserve Shtdwn Hrs	.0	.0	156.7
15. Hrs Generator On-Line	744.0	1,819.8	5,588.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,373,765	5,433,701	16,683,472
18. Gross Elec Ener (MWH)	783,800	1,782,040	5,448,590
19. Net Elec Ener (MWH)	755,679	1,716,395	5,252,768
20. Unit Service Factor	100.0	49.9	64.9
21. Unit Avail Factor	100.0	49.9	64.9
22. Unit Cap Factor (MDC Net)	98.4	45.6	59.1
23. Unit Cap Factor (DER Net)	95.4	44.2	57.2
24. Unit Forced Outage Rate	.0	23.9	16.2
25. Forced Outage Hours	.0	571.7	1,080.2

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

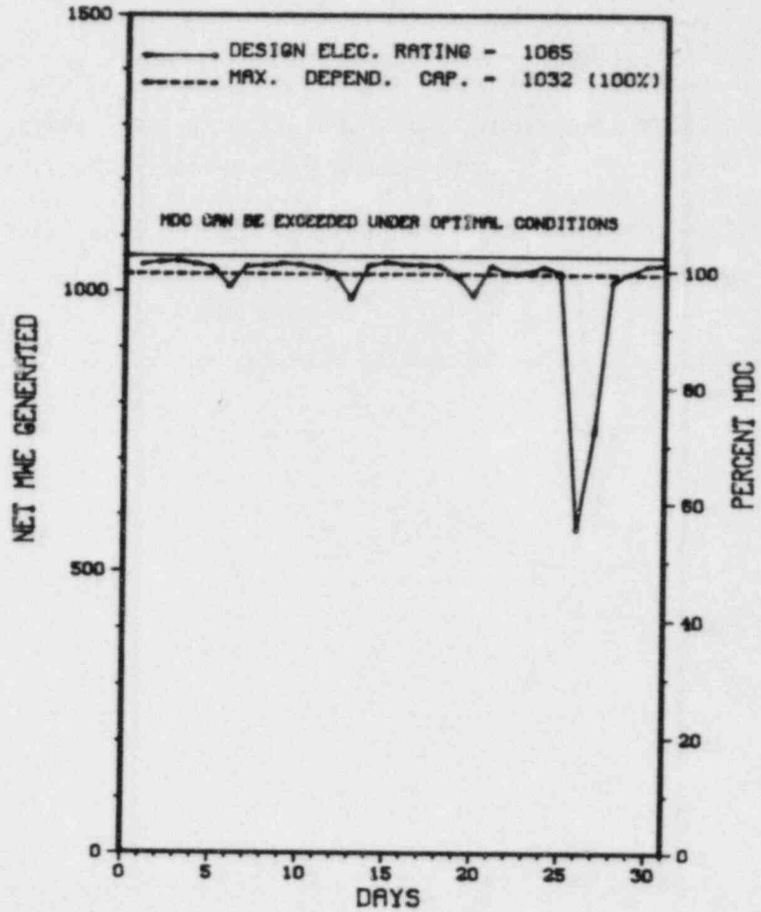
NONE

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

SUSQUEHANNA 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

SUSQUEHANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	05/26/84	S	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TO 50% TO ACCOMPLISH THE FOLLOWING: CONTROL ROD SEQUENCE EXCHANGE; RESIN CHANGE-OUT IN TWO CONDENSATE DEMINERALIZERS; CHANGE BRUSHES IN BOTH RECIRCULATION PUMP MOTOR-GENERATOR SETS.

SUMMARY

SUSQUEHANNA 1 OPERATED ROUTINELY WITH 1 REDUCTION DURING MAY.

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

****
* SUSQUEHANNA 1 *
****

FACILITY DATA

Report Period MAY 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....., 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.

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: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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	3,647.0	85,440.0
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	36.5
21. Unit Avail Factor	.0	.0	36.5
22. Unit Cap Factor (MDC Net)	.0	.0	35.6*
23. Unit Cap Factor (DER Net)	.0	.0	34.1
24. Unit Forced Outage Rate	100.0	100.0	60.0
25. Forced Outage Hours	744.0	3,647.0	46,772.5

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

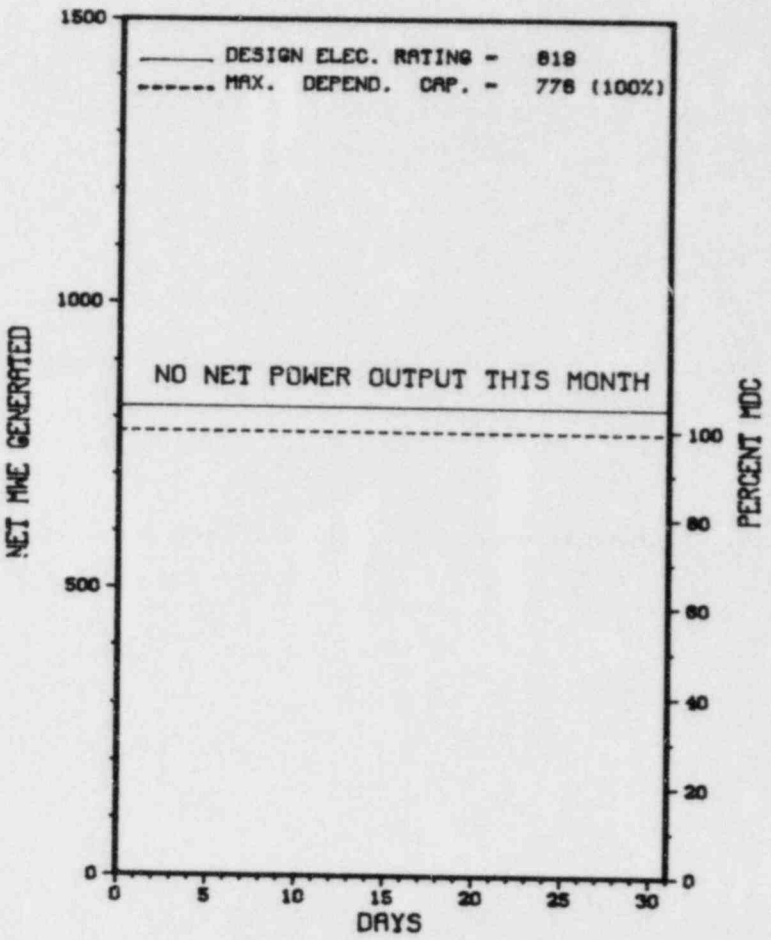
NONE

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

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 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		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

SUMMARY

THREE MILE ISLAND 1 REMAINS SHUTDOWN FOLLOWING THE ACCIDENT AT UNIT 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(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):

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: 05/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: W. O. NICHOLSON (503) 556-3713 X409
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	3,647.0	67,919.0
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)	-3,696	2,817,062	39,231,088
20. Unit Service Factor	.0	76.1	59.4
21. Unit Avail Factor	.0	76.1	64.1
22. Unit Cap Factor (MDC Net)	.0	71.5	53.5
23. Unit Cap Factor (DER Net)	.0	68.4	51.1
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):

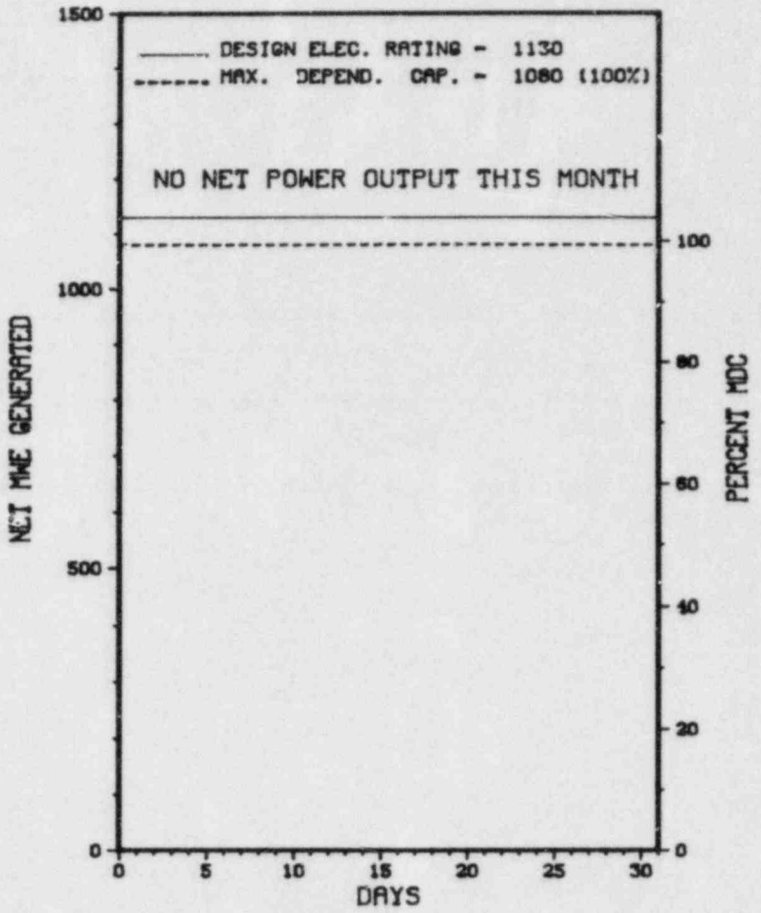
NONE

27. If Currently Shutdown Estimated Startup Date: 07/16/84

****
* TROJAN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



MAY 1984

Report Period MAY 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			CONTINUED ANNUAL REFUELING/MAINTENANCE OUTAGE WHICH BEGAN AT 1827 ON APRIL 27, 1984.

SUMMARY

TROJAN 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)

****
* TROJAN *
****

FACILITY DATA

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 FEBRUARY 21 - MARCH 2, 1984 AND MARCH 27-30, 1984) (REPORT NO. 50-344/84-05) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGIONALLY BASED INSPECTORS OF THE QUALITY ASSURANCE PROGRAM INCLUDING: PROCEDURES;; AUDIT RECORDS AND REPORTS; CORRECTIVE ACTIONS; PERSONNEL QUALIFICATIONS; PROCUREMENT; HANDLING, STORAGE, SHIPPING AND PRESERVATION OF SAFETY-RELATED MATERIALS; EQUIPMENT AND COMPONENTS; DOCUMENT AND RECORD CONTROL; INDEPENDENT INSPECTION EFFORT AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 179 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: OF THE NINE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED, ONE THAT PERTAINS TO DOCUMENT CONTROL, AND ONE PERTAINING TO THE STORAGE OF QUALITY-RELATED MATERIALS.

+ INSPECTION ON APRIL 25-27, 1984 (REPORT NO. 50-344/84-09) AREAS INSPECTED: FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; INDEPENDENT INSPECTION EFFORT; ACCESS CONTROLS FOR PERSONNEL, PACKAGES AND VEHICLES; COMMUNICATION; AND TRAINING AND QUALIFICATIONS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 2-30, 1984 (REPORT NO. 50-344/84-11) AREAS INSPECTED: ROUTINE INSPECTIONS OF OPERATIONAL SAFETY VERIFICATION; CORRECTIVE ACTION; MAINTENANCE; SURVEILLANCE; FOLLOWUP ON LICENSEE EVENT REPORTS; PREPARATIONS FOR REFUELING; NONROUTINE REPORTING PROGRAM; AND TEST AND MEASURING EQUIPMENT PROGRAM. THE INSPECTION INVOLVED 137 INSPECTOR-HOURS ONSITE BY THE

INSPECTION SUMMARY

NRC RESIDENT INSPECTORS.

RESULTS: ONE ITEM OF NONCOMPLIANCE AND NO DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 9-13, 1984 (REPORT NO. 50-344/84-12) AREAS INSPECTED: ANNOUNCED, ROUTINE INSPECTION OF THE EMERGENCY PREPAREDNESS PLAN AND ASSOCIATED IMPLEMENTING PROCEDURES AS CALLED FOR BY APPENDIX B OF NRC PROCEDURE 2515. THE SPECIFIC MODULES INSPECTED WERE: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISION-MAKING; NOTIFICATION AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); AND LICENSEE AUDITS. THE INSPECTION INVOLVED 105 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND TWO NRC CONTRACT PERSONNEL.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 14-18, 1984 (REPORT NO. 50-344/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

TITLE 10 CFR 50.72 REQUIRES THAT WITHIN FOUR HOURS AFTER AN ACTUATION OF THE REACTOR PROTECTION SYSTEM, NOTIFICATION MUST BE MADE VIA THE EMERGENCY NOTIFICATION SYSTEM TO THE NRC OPERATIONS CENTER. CONTRARY TO THE REQUIREMENT ON MARCH 1, 1984, THE FACILITY EXPERIENCED A TRIP FROM LOW-LOW STEAM GENERATOR LEVEL IN THE "B" STEAM GENERATOR. THIS EVENT INITIATES THE REACTOR PROTECTION SYSTEM. THE TRIP OCCURRED AT 10:45 A.M. LOCAL TIME, NOTIFICATION TO THE NRC WAS NOT MADE UNTIL 5:55 P.M. LOCAL TIME. THIS PERIOD WAS IN EXCESS OF THE FOUR HOURS REQUIRED PER 10 CFR 50.72.
(8408 5)

AT ABOUT 9:00 A.M. ON MARCH 24, 1984, THE "A" TRAIN OF THE REACTOR PROTECTION SYSTEM WAS REMOVED FROM SERVICE TO PERMIT THE PERFORMANCE OF REQUIRED SURVEILLANCE TESTS. THE SYSTEM WAS RETURNED TO SERVICE AT APPROXIMATELY 10:20 A.M. DURING THAT TIME PERIOD, THE AUTOMATIC START FEATURES FROM LOW-LOW STEAM GENERATOR LEVEL AND ACTUATION OF SAFETY INJECTION FOR THE "A" TRAIN AUXILIARY FEEDWATER PUMP WERE INOPERABLE. ALSO, DURING THAT PERIOD OF TIME THE "B" TRAIN AUXILIARY FEEDWATER PUMP WAS OUT OF SERVICE FOR ROUTINE MAINTENANCE.
(8410 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

AN ENFORCEMENT CONFERENCE AND A SPECIAL MEETING WITH THE LICENSEE HAVE BEEN SCHEDULED FOR APRIL 16, 1984, TO DISCUSS THE SIMULTANEOUS REMOVAL OF BOTH AUXILIARY FEEDWATER PUMPS FROM SERVICE ON MARCH 20, 1984 AND TO DISCUSS A CORRECTIVE ACTION PROGRAM RESULTING FROM THE NRC'S MARGINAL RATING OF THE OPERATOR REQUALIFICATION PROGRAM.

PLANT STATUS:

OTHER ITEMS

ROUTINE POWER OPERATION.

LAST IE SITE INSPECTION DATE: 05/14-18/84+

INSPECTION REPORT NO: 50-344/84-13+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-250 OPERATING STATUS
2. Reporting Period: 05/01/84 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	3,647.0	100,712.6
13. Hours Reactor Critical	460.9	2,814.5	70,839.8
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	455.5	2,728.5	68,650.7
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	994,815	5,807,169	141,295,761
18. Gross Elec Ener (MWH)	320,610	1,877,770	45,088,335
19. Net Elec Ener (MWH)	303,554	1,775,974	42,688,991
20. Unit Service Factor	61.2	74.8	68.2
21. Unit Avail Factor	61.2	74.8	68.3
22. Unit Cap Factor (MDC Net)	61.3	73.1	65.4*
23. Unit Cap Factor (DER Net)	58.9	70.3	61.2
24. Unit Forced Outage Rate	.0	11.4	5.6
25. Forced Outage Hours	.0	350.1	3,530.2

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

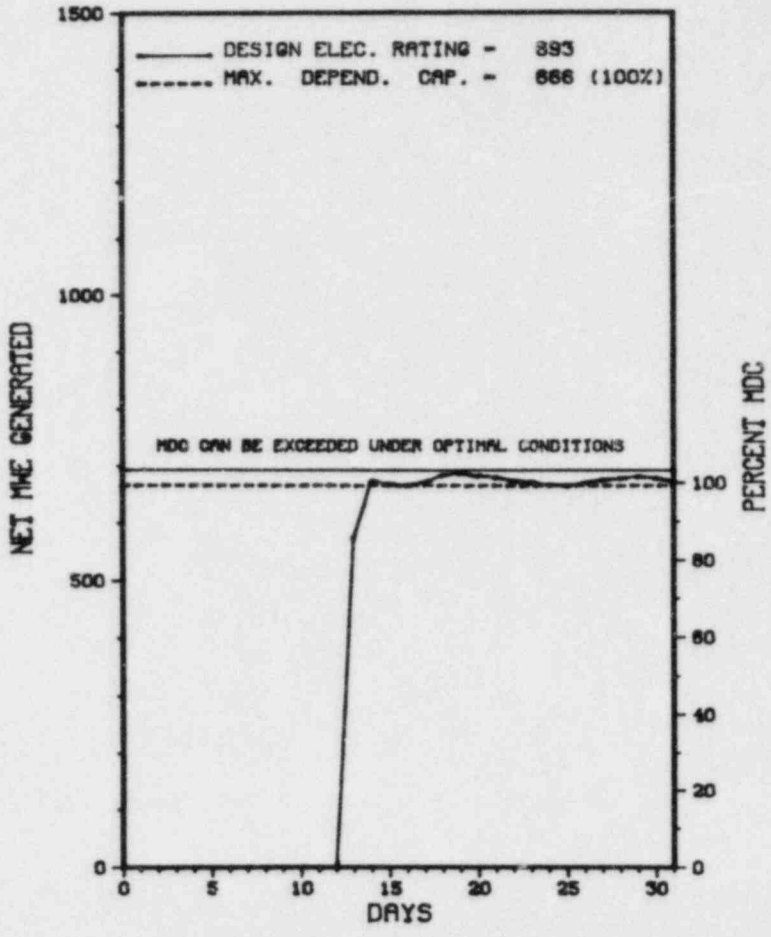
NONE

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

****
* TURKEY POINT 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	04/26/84	S	288.5	B	4		ZZ	ZZZZZZ	UNIT NO. 3 TAKEN OFF LINE FOR UNIT NO. 4 SAFEGUARDS TEST, SNUBBER INSPECTION AND STEAM GENERATOR FEEDWATER NOZZLE INSPECTIONS.

SUMMARY

TURKEY POINT 3 RETURNED ONLINE ON MAY 13TH FROM A CONTINUING MAINTENANCE/TESTING OUTAGE AND OPERATED NORMALLY THE REMAINDER OF MAY.

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

TURKEY POINT 3

FACILITY DATA

Report Period MAY 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

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 1 - APRIL 6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 133 INSPECTOR-HOURS ON SITE, INCLUDING 46 HOURS OF BACKSHIFT, IN THE AREAS OF PREVIOUS ENFORCEMENT ITEMS, IE BULLETINS, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, EMERGENCY SAFETY FEATURES WALKDOWN, REFUELING, INDEPENDENT INSPECTION AND EXIT INTERVIEW. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ESTABLISH A PROCEDURE, AND FAILURE TO IMPLEMENT A PROCEDURE); AND ONE EXAMPLE OF A PREVIOUS VIOLATION (FAILURE TO FOLLOW A PROCEDURE).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.1 REQUIRES THAT EACH MEMBER OF THE FACILITY STAFF MEET OR EXCEED THE MINIMUM QUALIFICATIONS OF ANSI N18.1-1971 FOR COMPARABLE POSITIONS. PARAGRAPH 4 OF ANSI N18.1-1971 STATES, IN PART, THAT TECHNICIANS IN RESPONSIBLE POSITIONS SHALL HAVE A MINIMUM OF TWO YEARS OF WORKING EXPERIENCE IN THEIR SPECIALTY. CONTRARY TO THE ABOVE, CHEMISTRY TECHNICIANS WITH LESS THAN TWO YEARS OF WORKING EXPERIENCE IN THEIR SPECIALITY WERE SERVING IN RESPONSIBLE POSITIONS.
(8408 4)

TECHNICAL SPECIFICATION 6.8 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972, AND APPENDIX A OF

ENFORCEMENT SUMMARY

REGULATORY GUIDE 1.33, AND THAT EACH PROCEDURE AND CHANGE THERETO BE REVIEWED BY THE PNSC AND APPROVED BY THE NUCLEAR PLANT SUPERINTENDENT PRIOR TO IMPLEMENTATION. CONTRARY TO THE ABOVE, THE REQUIREMENTS OF THE TECHNICAL SPECIFICATION WERE NOT MET, IN THAT: (A) BETWEEN DECEMBER 27, 1983 AND MARCH 22, 1984, SHIPMENTS OF RADIOACTIVE WASTE WERE MADE USING A DRAFT PROCEDURE WHICH HAD NOT BEEN REVIEWED BY THE PNSC OR APPROVED BY THE PLANT MANAGER-NUCLEAR, AND (B) LABORATORY QUALIFICATION GUIDES WERE NOT USED TO DOCUMENT THE QUALIFICATIONS OF THE CHEMISTRY TECHNICIANS AS REQUIRED BY NUCLEAR CHEMISTRY PROCEDURE NC-120.
(8408 5)

TECHNICAL SPECIFICATION (TS) 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX "A" OF USNRC REGULATORY GUIDE 1.33. (1) ADMINISTRATIVE PROCEDURE (AP) 0103.4, "IN-PLANT EQUIPMENT CLEARANCE ORDER" ESTABLISHES DETAILED PROCEDURES FOR GRANTING AND RELEASING ELECTRICAL AND MECHANICAL SYSTEM CLEARANCES. SECTION 5.0 OF AP-0103.4, ESTABLISHES INDIVIDUAL RESPONSIBILITIES TO BE FULFILLED DURING THE EXECUTION OF CLEARANCE ORDERS. (A) SECTION 5.2 OF AP-0103.4 REQUIRES THAT VALVE TAGGING SHALL BE DONE ONLY ON ORDERS AUTHORIZED BY THE NUCLEAR WATCH ENGINEER OR THE PLANT SUPERVISOR - NUCLEAR AND TAGS SHALL BE ISSUED BY THE NUCLEAR WATCH ENGINEER OR THE REACTOR CONTROL OPERATOR. CONTRARY TO THE ABOVE, AS OF MARCH 27, 1984, SECTION 5.2 OF AP-0103.4 HAD NOT BEEN PROPERLY IMPLEMENTED IN THAT NUMEROUS CLEARANCE TAGS WERE HUNG ON VENT DRAIN VALVES IN UNIT 4 CONTAINMENT WHICH HAD NEITHER BEEN AUTHORIZED OR ISSUED BY ANY NUCLEAR WATCH ENGINEER, PLANT SUPERVISOR - NUCLEAR OR REACTOR CONTROL OPERATOR NOR WERE THEY AWARE OF THE TAGS. (B) SECTION 5.6 OF AP-0103.4 REQUIRES THE REACTOR CONTROL OPERATOR TO INSURE THAT CLEARANCE FORMS ARE PROPERLY FILLED OUT AND TO SUBMIT ALL SAFETY-RELATED CLEARANCES TO THE NUCLEAR WATCH ENGINEER AND/OR THE PLANT SUPERVISOR - NUCLEAR FOR FINAL REVIEW. CONTRARY TO THE ABOVE, AS OF MARCH 26, 1984, SECTION 5.6 OF AP-0103.4 HAD NOT BEEN PROPERLY IMPLEMENTED IN THAT TAG #42 OF CLEARANCE #3-140 WAS IMPROPERLY FILLED OUT. THE DESIRED POSITION OF BREAKER 340748 (MOTOR OPERATOR 4-1401 FOR THE MAIN STEAM BYPASS VALVE) WAS LISTED AS SHUT WHEN THE CLEARANCE CONTROL FORM REQUIRED THE BREAKER TO BE OPEN. (C) SECTION 8.6.2 OF AP-0103.4 REQUIRES NUCLEAR OPERATORS EXECUTING A CLEARANCE TO PERFORM EACH TAGGING STEP, IN ORDER, AS ITEMIZED ON THE CLEARANCE ORDER FORM. CONTRARY TO THE ABOVE, AS OF MARCH 27, 1984, CLEARANCE #3-235 WAS NOT PROPERLY EXECUTED BY A NUCLEAR OPERATOR BECAUSE TAG #1 AND TAG #2 WERE HUNG ON VALVES OTHER THOSE SPECIFIED ON THE CLEARANCE ORDER FORM. TS 4.7 REQUIRES TESTING OF THE EMERGENCY CONTAINMENT FILTER SYSTEM AND THE CONTROL ROOM VENTILATION SYSTEM TO VERIFY THAT THESE SYSTEMS AND THEIR COMPONENTS WILL BE ABLE TO PERFORM THIS DESIGN FUNCTIONS. OPERATING PROCEDURES (OP) - 4704.3 AND 10304.1 WERE ESTABLISHED TO IMPLEMENT THE REQUIREMENTS OF TS 4.7 FOR HEPA AND CHARCOAL FILTER TESTING ON THE EMERGENCY CONTAINMENT FILTER SYSTEM AND THE CONTROL ROOM VENTILATION SYSTEM. CONTRARY TO THE ABOVE, AS OF MARCH 14, 1984, ADEQUATE TESTING OF THE ABOVE SYSTEMS HAD NOT BEEN COMPLETED IN THAT: (A) OP-4704.3 UTILIZES A SINGLE SAMPLE POINT UPSTREAM OF THE HEPA FILTER, DESPITE 1978 UNIFORM AEROSOL MIXTURE TEST DATA WHICH TURKEY POINT EVALUATED TO SHOW THIS APPROACH TO BE INVALID. (B) OP-10304.1 UTILIZES SINGLE SAMPLE POINTS BOTH UPSTREAM AND DOWNSTREAM OF THE FILTER MEDIA. NO UNIFORM AEROSOL MIXTURE TEST HAS BEEN CONDUCTED ON THE CONTROL ROOM VENTILATION SYSTEM TO VALIDATE USE OF SINGLE SAMPLE POINTS. (C) OP-4704.3 AND 10304.1 DO NOT SPECIFY SAMPLE INJECTION AND TEST POINT LOCATIONS AND METHODOLOGY TO ENSURE CONSISTENT FILTER SYSTEM TESTING.

(8411 4)

CONTRARY TO 10CFR50, APPENDIX B, CRITERION V MAINTENANCE PROCEDURE WAS NOT FOLLOWED.
(8412 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OPERATING.

LAST IE SITE INSPECTION DATE: MARCH 1 - APRIL 6, 1984 +

INSPECTION REPORT NO: 50-250/84-11 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-011	03/23/84	04/23/84	UNIT 3 EXPERIENCED A TURBINE RUNBACK RESULTING IN AN AUTOMATIC LOAD REDUCTION TO 83%, DUE TO WATER ENTERING CONTAINMENT PENETRATION CANISTER.
84-012	03/29/84	04/30/84	AN AUTOMATIC TRANSFER OF A 480 VOLT POWER SUPPLY OCCURRED, DUE TO ACCIDENTAL JARRING OF AN ELECTRICAL AUX. RELAY.
84-013	04/03/84	05/03/84	TURBINE RUNBACK OCCURRED, DUE TO A SPURIOUS ROD DROP SIGNAL.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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): 703

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	3,647.0	94,440.0
13. Hours Reactor Critical	52.1	1,368.7	66,007.5
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	3.7	1,273.0	63,741.4
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	240,328	3,002,229	134,757,970
18. Gross Elec Ener (MWH)	530	898,915	42,820,277
19. Net Elec Ener (MWH)	-3,916	843,253	40,550,361
20. Unit Service Factor	.5	34.9	67.5
21. Unit Avail Factor	.5	34.9	67.5
22. Unit Cap Factor (MDC Net)	.0	34.7	66.3*
23. Unit Cap Factor (DER Net)	.0	33.4	62.0
24. Unit Forced Outage Rate	.0	21.1	4.9
25. Forced Outage Hours	.0	340.4	2,882.2

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

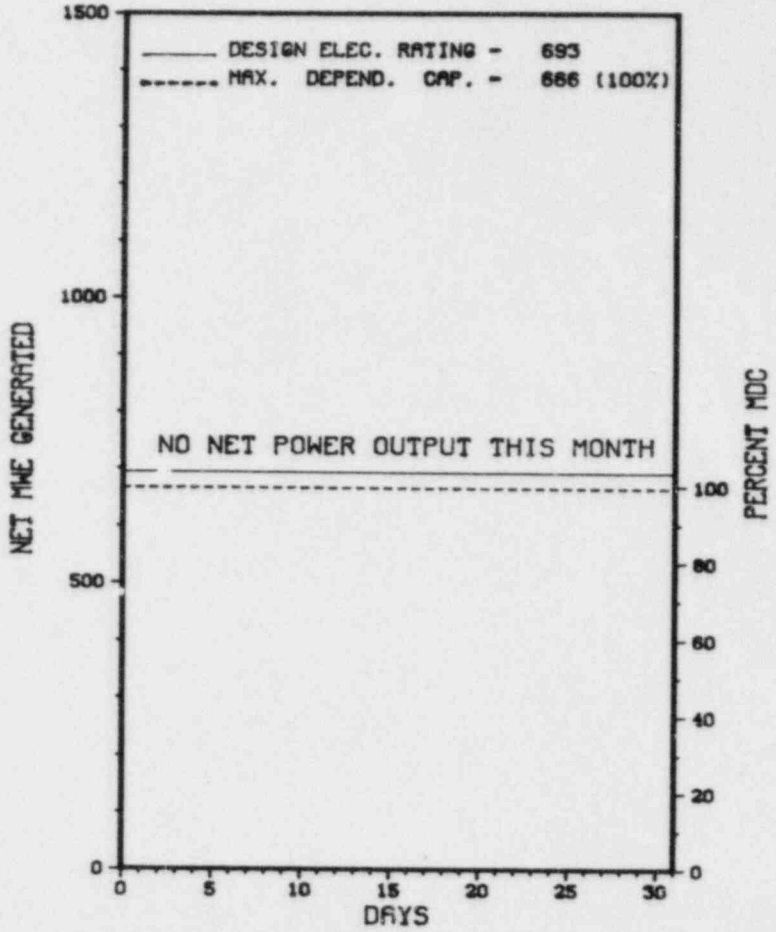
NONE

27. If Currently Shutdown Estimated Startup Date: 06/15/84

****
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* TURKEY POINT 4 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
07	03/08/84	S	740.3	C	4		RC	FUELXX	UNIT NO. 4 REMAINED OFF LINE FOR REFUELING AND SCHEDULED MAINTENANCE.

****
* SUMMARY *
****

TURKEY POINT 4 REMAINS OFFLINE FOR REFUELING/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)

****
* TURKEY POINT 4 *
****

FACILITY DATA

Report Period MAY 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...JUNE 11, 1973

DATE ELEC ENER 1ST GENER...JUNE 21, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 7, 1973

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. PEEBLES

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251

LICENSE & DATE ISSUANCE....DPR-41, APRIL 10, 1973

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 1 - APRIL 6 (84-11): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 134 INSPECTOR-HOURS ON SITE, INCLUDING 46 HOURS OF BACKSHIFT, IN THE AREAS OF PREVIOUS ENFORCEMENT ITEMS, IE BULLETINS, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, EMERGENCY SAFETY FEATURES WALKDOWN, REFUELING, INDEPENDENT INSPECTION AND EXIT INTERVIEW. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO ESTABLISH A PROCEDURE; AND FAILURE TO IMPLEMENT A PROCEDURE); AND ONE EXAMPLE OF A PREVIOUS VIOLATION (FAILURE TO FOLLOW A PROCEDURE).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.3.1 REQUIRES THAT EACH MEMBER OF THE FACILITY STAFF MEET OF EXCEED THE MINIMUM QUALIFICATIONS OF ANSI N18.1-1971 FOR COMPARABLE POSITIONS. PARAGRAPH 4 OF ANSI N18.1-1971 STATES, IN PART, THAT TECHNICIANS IN RESPONSIBLE POSITIONS SHALL HAVE A MINIMUM OF TWO YEARS OF WORKING EXPERIENCE IN THEIR SPECIALTY. CONTRARY TO THE ABOVE, CHEMISTRY TECHNICIANS WITH LESS THAN TWO YEARS OF WORKING EXPERIENCE IN THEIR SPECIALITY WERE SERVING IN RESPONSIBLE POSITIONS.
(8408 4)

TECHNICAL SPECIFICATION 6.8 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972, AND APPENDIX A OF

ENFORCEMENT SUMMARY

REGULATORY GUIDE 1.33, AND THAT EACH PROCEDURE AND CHANGE THERETO BE REVIEWED BY THE PNSC AND APPROVED BY THE NUCLEAR PLANT SUPERINTENDENT PRIOR TO IMPLEMENTATION. CONTRARY TO THE ABOVE, THE REQUIREMENTS OF THE TECHNICAL SPECIFICATION WERE NOT MET, IN THAT: (A) BETWEEN DECEMBER 27, 1983 AND MARCH 22, 1984, SHIPMENTS OF RADIOACTIVE WASTE WERE MADE USING A DRAFT PROCEDURE WHICH HAD NOT BEEN REVIEWED BY THE PNSC OR APPROVED BY THE PLANT MANAGER-NUCLEAR, AND (B) LABORATORY QUALIFICATION GUIDES WERE NOT USED TO DOCUMENT THE QUALIFICATIONS OF THE CHEMISTRY TECHNICIANS AS REQUIRED BY NUCLEAR CHEMISTRY PROCEDURE NC-120. (8408 5)

TECHNICAL SPECIFICATION (TS) 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX "A" OF USNRC REGULATORY GUIDE 1.33. (1) ADMINISTRATIVE PROCEDURE (AP) 0103.4, "IN-PLANT EQUIPMENT CLEARANCE ORDER" ESTABLISHES DETAILED PROCEDURES FOR GRANTING AND RELEASING ELECTRICAL AND MECHANICAL SYSTEM CLEARANCES. SECTION 5.0 OF AP-0103.4, ESTABLISHES INDIVIDUAL RESPONSIBILITIES TO BE FULFILLED DURING THE EXECUTION OF CLEARANCE ORDERS. (A) SECTION 5.2 OF AP-0103.4 REQUIRES THAT VALVE TAGGING SHALL BE DONE ONLY ON ORDERS AUTHORIZED BY THE NUCLEAR WATCH ENGINEER OR THE PLANT SUPERVISOR - NUCLEAR AND TAGS SHALL BE ISSUED BY THE NUCLEAR WATCH ENGINEER OR THE REACTOR CONTROL OPERATOR. CONTRARY TO THE ABOVE, AS OF MARCH 27, 1984, SECTION 5.2 OF AP-0103.4 HAD NOT BEEN PROPERLY IMPLEMENTED IN THAT NUMEROUS CLEARANCE TAGS WERE HUNG ON VENT DRAIN VALVES IN UNIT 4 CONTAINMENT WHICH HAD NEITHER BEEN AUTHORIZED OR ISSUED BY ANY NUCLEAR WATCH ENGINEER, PLANT SUPERVISOR - NUCLEAR OR REACTOR CONTROL OPERATOR NOR WERE THEY AWARE OF THE TAGS. (B) SECTION 5.6 OF AP-0103.4 REQUIRES THE REACTOR CONTROL OPERATOR TO INSURE THAT CLEARANCE FORMS ARE PROPERLY FILLED OUT AND TO SUBMIT ALL SAFETY-RELATED CLEARANCES TO THE NUCLEAR WATCH ENGINEER AND/OR THE PLANT SUPERVISOR - NUCLEAR FOR FINAL REVIEW. CONTRARY TO THE ABOVE, AS OF MARCH 26, 1984, SECTION 5.6 OF AP-0103.4 HAD NOT BEEN PROPERLY IMPLEMENTED IN THAT TAG #42 OF CLEARANCE #3-140 WAS IMPROPERLY FILLED OUT. THE DESIRED POSITION OF BREAKER 340748 (MOTOR OPERATOR 4-1401 FOR THE MAIN STEAM BYPASS VALVE) WAS LISTED AS SHUT WHEN THE CLEARANCE CONTROL FORM REQUIRED THE BREAKER TO BE OPEN. (C) SECTION 8.6.2 OF AP-0103.4 REQUIRES NUCLEAR OPERATORS EXECUTING A CLEARANCE TO PERFORM EACH TAGGING STEP, IN ORDER, AS ITEMIZED ON THE CLEARANCE ORDER FORM. CONTRARY TO THE ABOVE, AS OF MARCH 27, 1984, CLEARANCE #3-235 WAS NOT PROPERLY EXECUTED BY A NUCLEAR OPERATOR BECAUSE TAG #1 AND TAG #2 WERE HUNG ON VALVES OTHER THOSE SPECIFIED ON THE CLEARANCE ORDER FORM. TS 4.7 REQUIRES TESTING OF THE EMERGENCY CONTAINMENT FILTER SYSTEM AND THE CONTROL ROOM VENTILATION SYSTEM TO VERIFY THAT THESE SYSTEMS AND THEIR COMPONENTS WILL BE ABLE TO PERFORM THIS DESIGN FUNCTIONS. OPERATING PROCEDURES (OP) - 4704.3 AND 10304.1 WERE ESTABLISHED TO IMPLEMENT THE REQUIREMENTS OF TS 4.7 FOR HEPA AND CHARCOAL FILTER TESTING ON THE EMERGENCY CONTAINMENT FILTER SYSTEM AND THE CONTROL ROOM VENTILATION SYSTEM. CONTRARY TO THE ABOVE, AS OF MARCH 14, 1984, ADEQUATE TESTING OF THE ABOVE SYSTEMS HAD NOT BEEN COMPLETED IN THAT: (A) OP-4704.3 UTILIZES A SINGLE SAMPLE POINT UPSTREAM OF THE HEPA FILTER, DESPITE 1978 UNIFORM AEROSOL MIXTURE TEST DATA WHICH TURKEY POINT EVALUATED TO SHOW THIS APPROACH TO BE INVALID. (B) OP-10304.1 UTILIZES SINGLE SAMPLE POINTS BOTH UPSTREAM AND DOWNSTREAM OF THE FILTER MEDIA. NO UNIFORM AEROSOL MIXTURE TEST HAS BEEN CONDUCTED ON THE CONTROL ROOM VENTILATION SYSTEM TO VALIDATE USE OF SINGLE SAMPLE POINTS. (C) OP-4704.3 AND 10304.1 DO NOT SPECIFY SAMPLE INJECTION AND TEST POINT LOCATIONS AND METHODOLOGY TO ENSURE CONSISTENT FILTER SYSTEM TESTING.

(8411 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

COMPLETED STEAM GENERATOR REPLACEMENT.

MANAGERIAL ITEMS:

OTHER ITEMS

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 1 - APRIL 6, 1984 +

INSPECTION REPORT NO: 50-251/84-11 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-005	04/12/84	05/14/84	4A S/G FEEDWATER NOZZLE TO REDUCER WELD AREA, CRACK-LIKE ULTRASONIC INDICATIONS DETECTED IN 18"X14" REDUCER BASE METAL.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-271 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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	3,647.0	102,505.8
13. Hours Reactor Critical	744.0	3,526.7	83,225.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,496.4	80,988.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,158,531	5,404,814	117,565,486
18. Gross Elec Ener (MWH)	392,170	1,834,858	39,127,936
19. Net Elec Ener (MWH)	375,469	1,759,712	37,124,728
20. Unit Service Factor	100.0	95.9	79.0
21. Unit Avail Factor	100.0	95.9	79.0
22. Unit Cap Factor (MDC Net)	100.1	95.7	71.9
23. Unit Cap Factor (DER Net)	98.2	93.9	70.5
24. Unit Forced Outage Rate	.0	4.1	7.2
25. Forced Outage Hours	.0	150.6	5,041.8

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

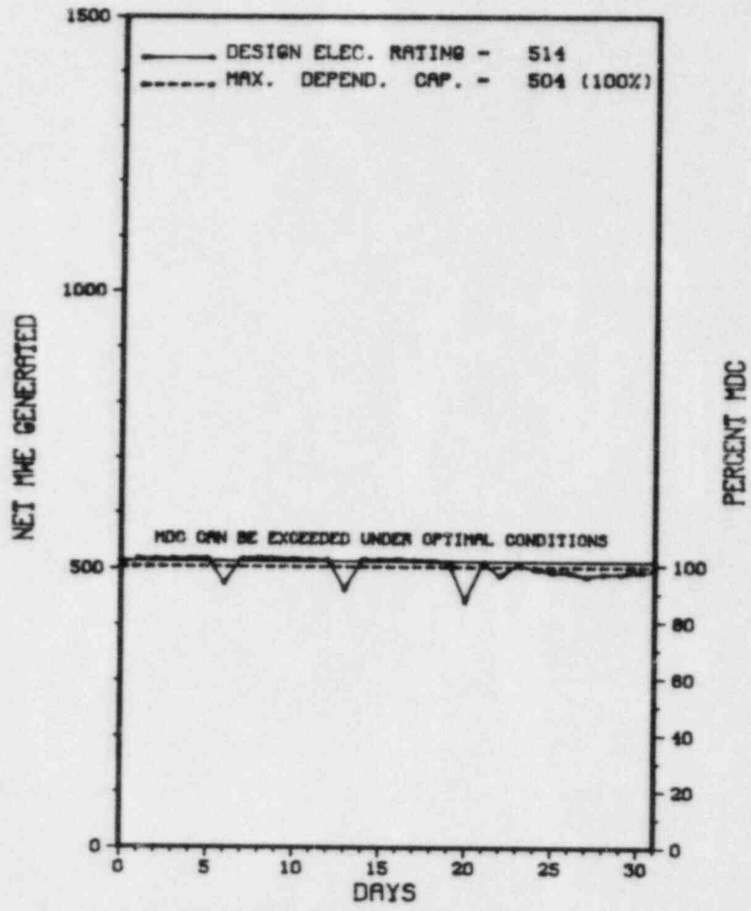
REFUELING & MAINTENANCE: 6/16/84, 8 WKS.

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

****
* VERMONT YANKEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* VERMONT YANKEE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-09	05/13/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT & OTHER SURVEILLANCE.
84-10	05/20/84	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT AND OTHER SURVEILLANCE.

****
* SUMMARY *
****

VERMONT YANKEE OPERATED ROUTINELY WITH 2 REDUCTIONS DURING MAY.

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)

****
* VERMONT YANKEE 1 *
****

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

FACILITY DESCRIPTION

LOCATION
STATE... .....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE....NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.0, "ADMINISTRATIVE CONTROLS", REQUIRES, IN PART, ADHERENCE TO INSTRUCTIONS AND PROCEDURES. TECHNICAL SPECIFICATION 6.5.B, "OPERATING PROCEDURES", REQUIRES, IN PART, ESTABLISHMENT OF PROCEDURES FOR RADIOLOGICAL PROTECTION CONSISTENT WITH 10 CFR PART 20. PROCEDURE NUMBER AP0502, "RADIATION WORK PERMITS", (REV 12, 9/27/83), REQUIRES, IN PART, SPECIFICATION ON RADIATION WORK PERMITS OF RADIOLOGICAL HAZARD CONTROL PROCEDURES TO BE OBSERVED DURING WORK ASSIGNMENTS IN RADIATION CONTROL AREAS. RADIATION WORK PERMITS NUMBERS 83-1465 AND 84-93 REQUIRED, IN PART, BREATHING ZONE AIR SAMPLES, (A RADIOLOGICAL HAZARD CONTROL PROCEDURE), BE TAKEN FOR OPERATIONS UNDER THESE PERMITS. CONTRARY TO THE ABOVE, BREATHING ZONE AIR SAMPLES, REQUIRED BY RADIATION WORK PERMIT NUMBERS 83-1465 AND 84-93, WERE NOT TAKEN DURING 22 OCCASIONS UNDER THESE PERMITS FROM 12/9/83 THROUGH 3/3/84.
(8406 4)

OTHER ITEMS

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 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: K. D. COWAN (509) 377-2501, EXT. 2286

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	98.2	98.2	98.2
13. Hours Reactor Critical	83.4	83.4	83.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	58.4	58.4	58.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	44,501	44,501	44,501
18. Gross Elec Ener (MWH)	5,085	5,085	5,085
19. Net Elec Ener (MWH)	4,932	4,932	4,932
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	23.8	23.8	23.8

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

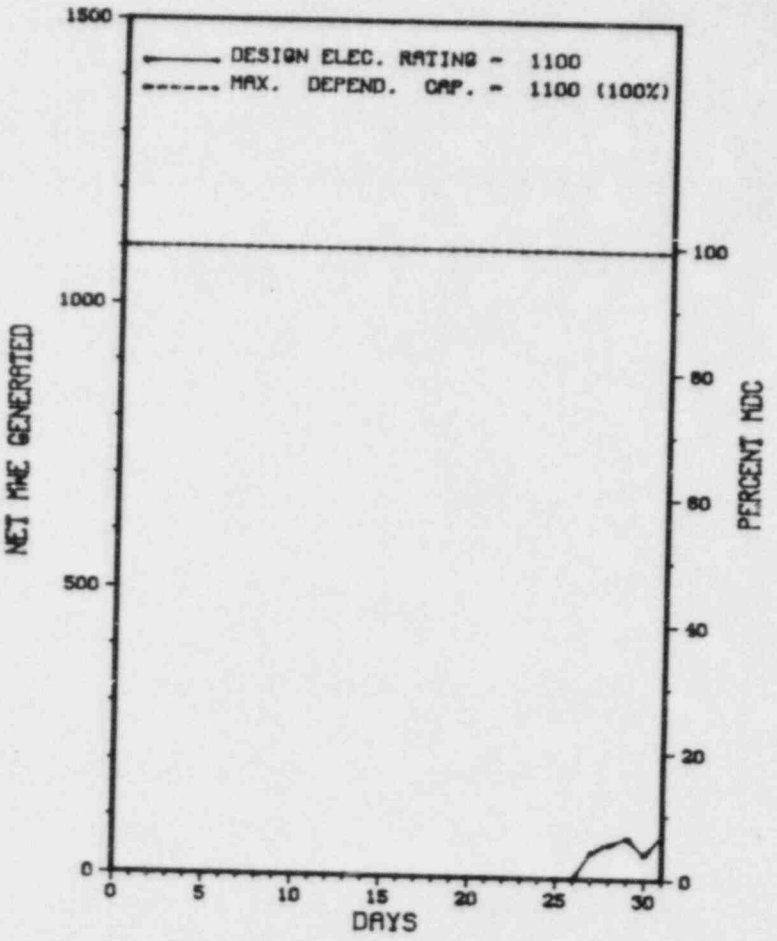
6/28/84 - LOSS OF OFFSITE POWER TESTING

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

****
* WASHINGTON NUCLEAR 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



MAY 1984

Report Period MAY 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* WASHINGTON NUCLEAR 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	05/27/84	F	0.1	A	3				TURBINE TRIP ON ANTI-MOTORING MODE.
2	05/28/84	F	13.2	G	3				AUTO SCRAM ON LOW RPV-LEVEL DUE TO LOSS OF CONDENSATE BOOSTER PUMPAND FEED PUMP WHILE PUTTING THE CONDENSATE DEMINS IN SERVICE.
3	05/29/84	S	14.0	B	1				OVERSPEED TURBINE TESTING; SUBSEQUENT AUTOM SCRAM DUE TO HIGH REACTOR PRESSURE CAUSED BY RAPID CLOSURE OF BYPASS VALVES.
4	05/30/84	S	2.0	B	1				TURBINE GENERATOR TAKEN OFFLINE TO PERFORM TURBINE TESTING.
5	05/30/84	F	10.5	B	1				TURBINE GENERATOR REMOVED FROM SERVICE & REACTOR POWER REDUCED IN ORDER TO INSTALL CORRECT FUSES IN THE RCIC AND THE CONDENSATE SYSTEM.

****
* SUMMARY *
****

WASHINGTON NUCLEAR POWER 2 GENERATED INITIAL ELECTRICITY ON MAY 27TH AND IS PRESENTLY IN POWER ASCENSION.

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)

****
* WASHINGTON NUCLEAR 2 *
****

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

Report Period MAY 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, 04/13/84

PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

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

INSPECTION SUMMARY

+ INSPECTION ON APRIL 1-30, 1984 (REPORT NO. 50-397/84-09) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSEPCTION ON MAY 14-18, 1984 (REPORT NO. 50-397/84-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 2-6, 1984 (REPORT NO. 50-397/84-11) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTIONS OF THE QUALITY ASSURANCE PROGRAMS FOR: STARTUP TESTING, DESIGN CHANGES AND MODIFICATIONS, OVERALL STARTUP PROGRAM, AND MAINTENANCE; TECHNICAL SPECIFICATION COMPLIANCE; NON-ROUTINE EVENTS REVIEW; AND FOLLOWUP OF TMI (NUREG-0737) ITEMS. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: OF THE SEVEN AREAS INSPECTED, ONE VIOLATION AND NO DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON APRIL 30 - MAY 4, 1984 (REPORT NO. 50-397/84-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 1-31, 1984 (REPORT NO. 50-397/84-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 6-8, 1984 (REPORT NO. 50-397/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 29 - JUNE 8, 1984 (REPORT NO. 50-397/84-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ PLAN TO EXCEED 30 PERCENT POWER ABOUT 6/10/84

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

MODE 4

LAST IE SITE INSPECTION DATE: 06/06-08/84+

INSPECTION REPORT NO: 50-397/84-14+

REPORTS FROM LICENSEE

WASHINGTON NUCLEAR 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-26/L0	03-21-84	- -	ACTUATION OF PRE-ACTION AND DELUGE SYSTEMS
84-27/L0	03-28-84	- -	GROUNDS ON MSRV SOLENOIDS WERE FOUND
84-28/L0	03-28-84	- -	RPS ACTUATION-SCRAM DUE TO HIGH SCRAM DISCHARGE VOLUME LEVEL
84-30/L0	04-12-84	05-10-84	INDUCED ELECTRONIC SPIKE TRIPPED THE CONTROL ROOM AIR RADIATION MONITOR
84-31/L0	04-12-84	- -	THERMO-LAG LEFT OFF OF APPENDIX R CABLES
84-32/L0	04-11-84	- -	AIRLOCK MALFUNCTIONED
84-33/L0	04-12-84	- -	NSSSS ISOLATIONS DUE TO CONSERVATIVE SETTINGS
84-34/L0	04-15-84	- -	DRYWELL TEMP EXCEEDED 150F DEGREES

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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:

ITEM 7 CHANGED TO REFLECT WINTER PERIOD

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	3,647.0	206,348.0
13. Hours Reactor Critical	.0	1,978.4	163,502.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,973.1	158,885.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	1,154,123	86,037,717
18. Gross Elec Ener (MWH)	0	355,301	26,078,167
19. Net Elec Ener (MWH)	0	333,288	24,401,677
20. Unit Service Factor	.0	54.1	77.0
21. Unit Avail Factor	.0	54.1	77.0
22. Unit Cap Factor (MDC Net)	.0	54.6	72.8*
23. Unit Cap Factor (DER Net)	.0	52.2	69.4*
24. Unit Forced Outage Rate	.0	9.0	5.3
25. Forced Outage Hours	.0	196.0	7,682.4

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

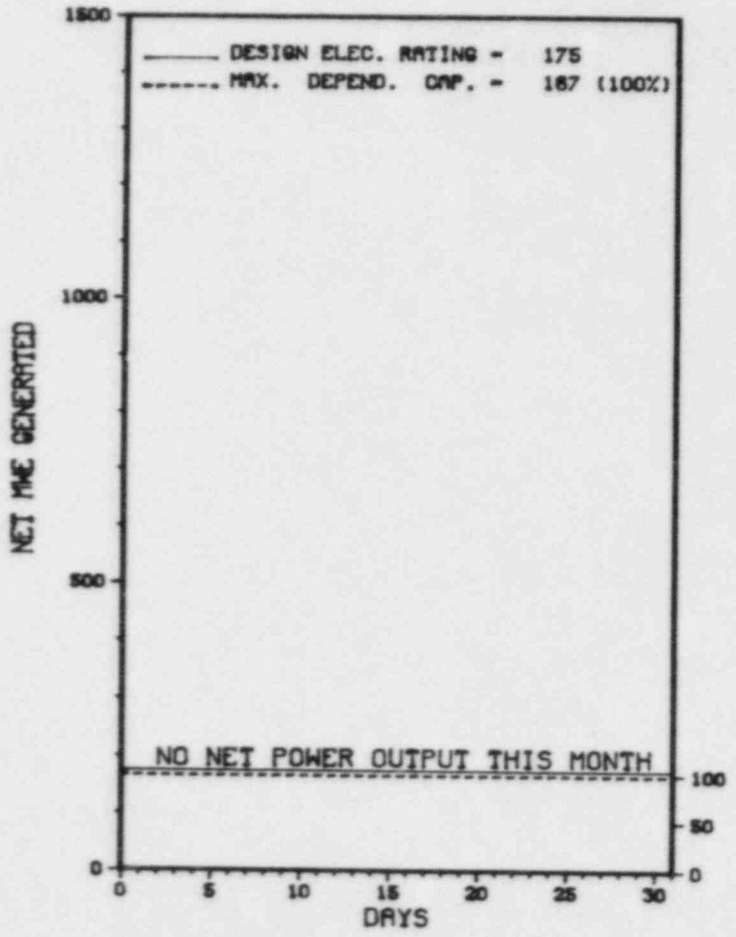
REFUELING, APRIL 1984, 9 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 06/09/84

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



MAY 1984

* Item calculated with a Weighted Average

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

YANKEE-ROWE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-3	03/31/84	S	744.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE CONTINUES.

SUMMARY

YANKEE-ROWE REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

****
* YANKEE-ROWE 1 *
****

FACILITY DATA

Report Period MAY 1984

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.

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: 50-295 O P E R A T I N G S T A T U S
2. Reporting Period: 05/01/84 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

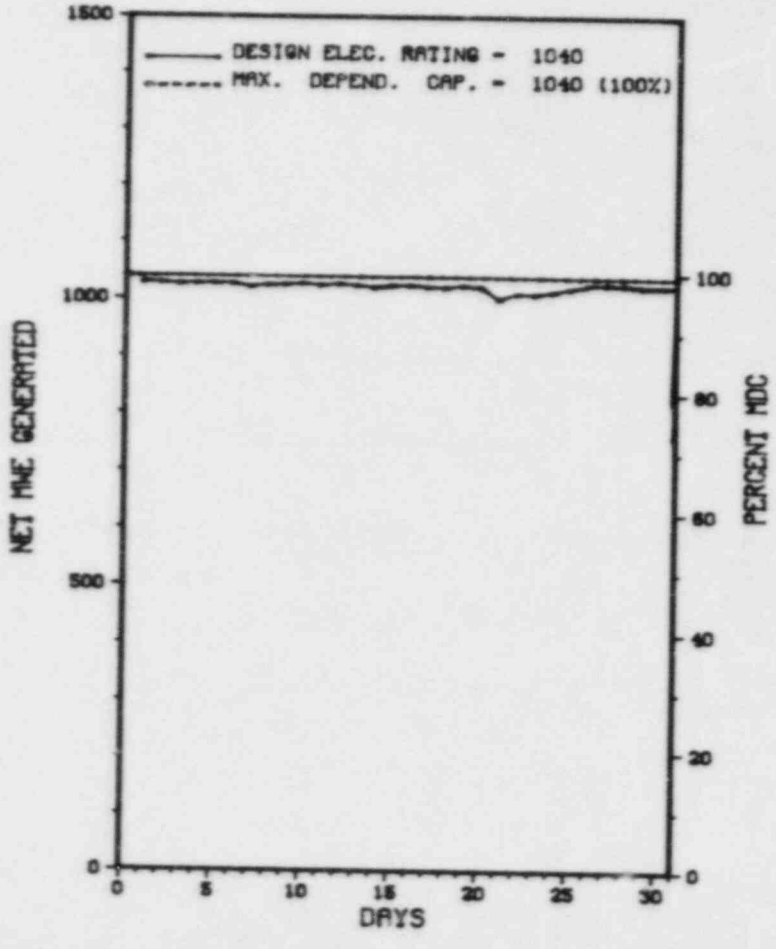
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,647.0	91,319.0
13. Hours Reactor Critical	744.0	2,685.4	64,761.5
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	744.0	2,570.1	63,038.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,397,099	7,868,178	177,789,661
18. Gross Elec Ener (MWH)	788,408	2,582,228	57,302,107
19. Net Elec Ener (MWH)	761,676	2,480,929	54,384,234
20. Unit Service Factor	100.0	70.5	69.0
21. Unit Avail Factor	100.0	70.5	69.0
22. Unit Cap Factor (MDC Net)	98.4	65.4	57.3
23. Unit Cap Factor (DER Net)	98.4	65.4	57.3
24. Unit Forced Outage Rate	.0	19.0	13.5
25. Forced Outage Hours	.0	604.4	9,216.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING & MAINTENANCE: 11/26/84
27. If Currently Shutdown Estimated Startup Date: N/A

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

ZION 1

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

SUMMARY

ZION 1 OPERATED AT FULL POWER DURING MAY.

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)

****
* ZION 1 *
****

FACILITY DATA

Report Period MAY 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 MARCH 21-MAY 11, (84-03): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, EMERGENCY PREPAREDNESS EXERCISE, REFUELING ACTITIVIES, CHANGES TO ADMINISTRATION, DESIGN CHANGES, 10 CFR PART 21 REPORT, MEETINGS WITH PUBLIC OFFICIALS, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP, IE CIRCULAR FOLLOWUP, & IE BULLETIN FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 401 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 126 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE 13 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 12-13 AND 16, (84-05): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR 20 AND 10 CFR 61 REQUIREMENTS FOR DISPOSAL OF LOW LEVEL RADIOACTIVE WASTE AT UNITS 1 AND 2, INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE RADWASTE FACILITY, WASTE CLASSIFICATION, WASTE FORM, STABILIZATION, AND SHIPMENT MANIFESTS/TRACKING. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: JUNE 4-8, 1984

INSPECTION REPORT NO: 84-09

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-11	04/03/84	04/27/84	INADVERTENT SOURCE RANGE HIGH FLUX WHILE IN HSD.
84-12	04/02/84	05/02/84	REACTOR TRIP.

1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 05/01/84 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	3,647.0	85,032.0
13. Hours Reactor Critical	.0	2,032.0	61,257.0
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	.0	2,017.6	59,544.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	6,204,923	171,121,0ub
18. Gross Elec Ener (MWH)	0	2,029,823	54,733,860
19. Net Elec Ener (MWH)	-4,188	1,936,256	52,013,201
20. Unit Service Factor	.0	55.3	70.0
21. Unit Avail Factor	.0	55.3	70.0
22. Unit Cap Factor (MDC Net)	.0	51.0	58.8
23. Unit Cap Factor (DER Net)	.0	51.0	58.8
24. Unit Forced Outage Rate	.0	2.3	17.2
25. Forced Outage Hours	.0	48.2	12,424.9

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

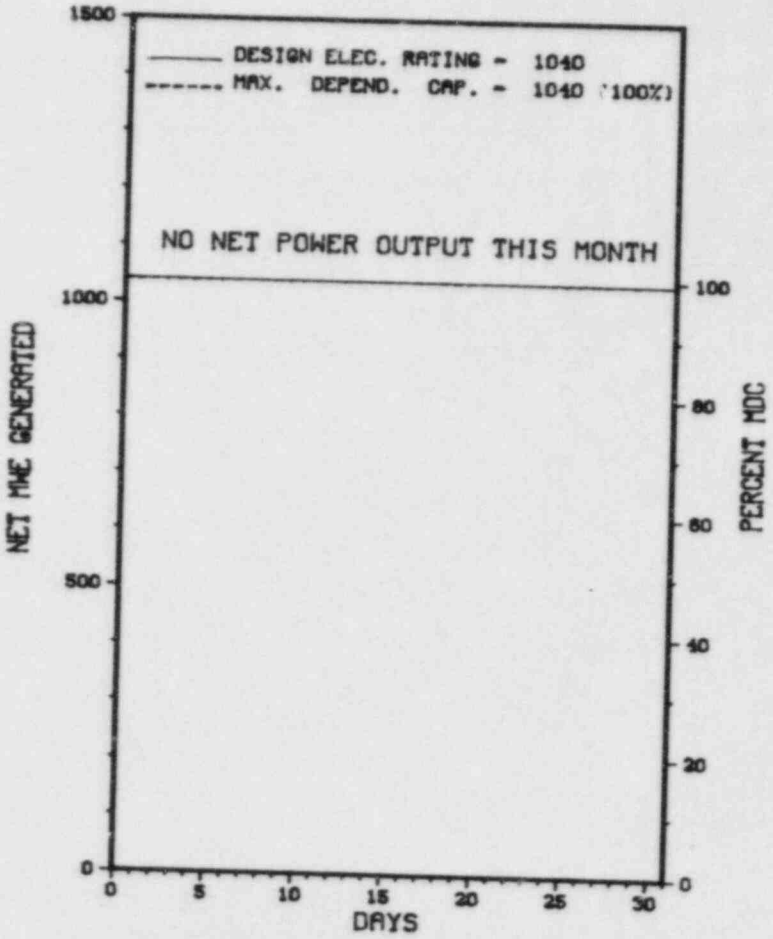
NONE

27. If Currently Shutdown Estimated Startup Date: 06/20/84

****
* ZION 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



MAY 1984

Report Period MAY 1984

UNIT SHUTDOWNS / REDUCTIONS

ZION 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/27/84	S	744.0	C	4		RC	FUELXX	CONTINUED CYCLE VII-VIII REFUELING OUTAGE.

SUMMARY

ZION 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

****
* ZION 2 *
****

FACILITY DATA

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 MARCH 21-MAY 11, (84-03): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, EMERGENCY PREPAREDNESS EXERCISE, REFUELING ACTITIVIES, CHANGES TO ADMINISTRATION, DESIGN CHANGES, 10 CFR PART 21 REPORT, MEETINGS WITH PUBLIC OFFICIALS, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP, IE CIRCULAR FOLLOWUP, & IE BULLETIN FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 401 INSPECTOR-HOURS BY TWO NRC INSPECTORS INCLUDING 126 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE 13 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON APRIL 12-13 AND 16, (84-05): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR 20 AND 10 CFR 61 REQUIREMENTS FOR DISPOSAL OF LOW LEVEL RADIOACTIVE WASTE AT UNITS 1 AND 2, INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE RADWASTE FACILITY, WASTE CLASSIFICATION, WASTE FORM, STABILIZATION, AND SHIPMENT MANIFESTS/TRACKING. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT SHUT DOWN ON 3/27/84 TO BEGIN A 78 DAY REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JUNE 4-8, 1984

INSPECTION REPORT NO: 84-09

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	02/15/84	05/03/84	VALVE OUT OF POSITION.
84-11	04/16/84	05/16/84	FAILURE OF RELEASE PATH RADIATION MONITOR PRT-PR22 DURING PURGE.

THIS PAGE INTENTIONALLY LEFT BLANK

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		N/S	1998
ARKANSAS 2	177	988	168	820		N/S	2003
BEAVER VALLEY 1	157	833	52	781		N/S	1995
CALVERT CLIFFS 1	217	1830(c)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					N/S	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		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	N/S	1994
FORT CALHOUN 1	133	729	305	424		N/S	1985
GINNA	121	595	340	255		N/S	1992
HADDAM NECK	157	1168	493	675		06-84	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	268	214	980	05-84	1984
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	95	405(n)	1344	N/S	1990
MCGUIRE 2							
MILLSTONE 2	217	667	376	291		N/S	1987
NORTH ANNA 1	157	966(c)	116(c)	850		05-84	1991
NORTH ANNA 2	157					08-84	1990
OCONEE 1	177	1312(1)	1123	189(1)(n)		N/S	1991
OCONEE 2	177					N/S	
OCONEE 3	177	825	72	753		N/S	
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					N/S	
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		10-84	1987
ROBINSON 2	157	276	152	124(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		05-84	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		N/S	
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		N/S	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2							
SUMMER 1	157	682	0	682	1276	N/S	
SURRY 1	157	1044(c)	556(c)	484(c)		N/S	1987
SURRY 2	157					N/S	

Report Period MAY 1984

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)		N/S	1995
ZION 2	193					N/S	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
(b) Some of these dates have been adjusted by staff assumptions.
(c) This is the total for both units.
(d) Plant not in commercial operation.
(e) Some spent fuel stored at Brunswick.
(f) Authorized a total 2772 BWR and 1232 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	152	41	289	08-84	1986
BROWNS FERRY 1	764	3471	1068	2403		07-84	1985
BROWNS FERRY 2	764	3471	889	601(m)	2582	08-84	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		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	N/S	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		N/S	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		N/S	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	(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	1760	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
VERMONT YANKEE 1	368	2000	1082	918		06-84	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.
(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

(INCLUDES BOTH LICENSED AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT
**********	-----	--------	----
* LICENSED *	9.83	08/01/74	ARKANSAS 1
* OPERATING *	21.48	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	7.72	09/12/76	BROWNS FERRY 3
* PRODUCING *	9.41	01/03/75	CALVERT CLIFFS 1
* UNITS *	6.20	03/22/78	COOK 2
**********	6.76	08/28/77	DAVIS-BESSE 1
	10.04	05/19/74	DUANE ARNOLD
	9.33	02/01/75	FITZPATRICK
	14.50	12/02/69	GINNA
	5.69	09/22/78	HATCH 2
	10.15	04/08/74	KEWAUNEE
	.11	04/20/84	LASALLE 2
	1.83	05/23/83	MCGUIRE 2
	13.24	03/05/71	MONTICELLO
	3.77	08/25/80	NORTH ANNA 2
	9.75	09/01/74	OCONEE 3
	10.28	02/18/74	PEACH BOTTOM 2
	13.57	11/06/70	POINT BEACH 1
	9.15	12/21/74	PRAIRIE ISLAND 2
	9.63	10/13/74	RANCHO SECO 1
	3.00	06/03/81	SALEM 2
	.68	09/25/83	SAN ONOFRE 3
	8.07	05/07/76	ST LUCIE 1
	11.91	07/04/72	SURRY 1
	9.95	06/19/74	THREE MILE ISLAND 1
	10.95	06/21/73	TURKEY POINT 4
	23.56	11/10/60	YANKEE-ROWE 1
	5.43	12/26/78	ARKANSAS 2
	10.63	10/15/73	BROWNS FERRY 1
	7.49	12/04/76	BRUNSWICK 1
	7.48	12/07/76	CALVERT CLIFFS 2
	10.06	05/10/74	COOPER STATION
	14.14	04/13/70	DRESDEN 2
	6.79	08/18/77	FARLEY 1
	10.77	08/25/73	FORT CALHOUN 1
	16.82	08/07/67	HADDAM NECK
	10.93	06/26/73	INDIAN POINT 2
	16.10	04/26/68	LA CROSSE
	11.56	11/08/72	MAINE YANKEE
	13.51	11/29/70	MILLSTONE 1
	14.56	11/09/69	NINE MILE POINT 1
	11.07	05/06/73	OCONEE 1
	14.69	09/23/69	OYSTER CREEK 1
	9.75	09/01/74	PEACH BOTTOM 3
	11.83	08/02/72	POINT BEACH 2
	12.14	04/12/72	QUAD CITIES 1
	13.68	09/26/70	ROBINSON 2
	16.88	07/16/67	SAN ONOFRE 1
	3.86	07/22/80	SEQUOYAH 1
	.97	06/13/83	ST LUCIE 2
	11.23	03/10/73	SURRY 2
	8.44	12/23/75	TROJAN
	11.70	09/20/72	VERMONT YANKEE 1
	10.93	06/28/73	ZION 1
	7.96	06/14/76	BEAVER VALLEY 1
	9.76	08/28/74	BROWNS FERRY 2
	9.09	04/29/75	BRUNSWICK 2
	9.31	02/10/75	COOK 1
	7.33	01/30/77	CRYSTAL RIVER 3
	12.86	07/22/71	DRESDEN 3
	3.02	05/25/81	FARLEY 2
	7.47	12/11/76	FORT ST VRAIN
	9.56	11/11/74	HATCH 1
	8.10	04/27/76	INDIAN POINT 3
	1.74	09/04/82	LASALLE 1
	2.92	06/30/81	MCGUIRE 1
	8.56	11/09/75	MILLSTONE 2
	6.12	04/17/78	NORTH ANNA 1
	10.49	12/05/73	OCONEE 2
	12.42	12/31/71	PALISADES
	11.87	07/19/72	PILGRIM 1
	10.49	12/04/73	PRAIRIE ISLAND 1
	12.82	05/23/72	QUAD CITIES 2
	7.43	12/25/76	SALEM 1
	1.70	09/20/82	SAN ONOFRE 2
	2.44	12/23/81	SEQUOYAH 2
	1.54	11/16/82	SUMMER 1
	1.54	11/16/82	SUSQUEHANNA 1
	11.58	11/02/72	TURKEY POINT 3
	.01	05/27/84	WASHINGTON NUCLEAR 2
	10.43	12/26/73	ZION 2

TOTAL 741.25 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-128	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 #108	50-394	R-171	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	10.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PHYSICS 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

****
* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	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

* U.S. GOVERNMENT PRINTING OFFICE: 1984-421-299:331

NRC FORM 335 (16 83) — U.S. NUCLEAR REGULATORY COMMISSION

BIBLIOGRAPHIC DATA SHEET

1 REPORT NUMBER (Assigned by TIDC and Vol No., if any)
NUREG-0020 Volume 8 Number 6

2 Leave blank

3 TITLE AND SUBTITLE
Licensed Operating Reactors
Status Summary Report

4 RECIPIENT'S ACCESSION NUMBER

5 DATE REPORT COMPLETED
MONTH: JULY — YEAR: 1984

6 AUTHOR(S)

7 DATE REPORT ISSUED
MONTH: JULY — YEAR: 1984

8 PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)
Division of Budget and Analysis
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, DC 20555

9 PROJECT/TASK/WORK UNIT NUMBER

10 FIN NUMBER

11 SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)
Division of Budget and Analysis
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, DC 20555

12a TYPE OF REPORT

12b PERIOD COVERED (Inclusive dates)
MAY 1984

13 SUPPLEMENTARY NOTES
Status Summary Report

14 ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

15a KEY WORDS AND DOCUMENT ANALYSIS

15b DESCRIPTORS

16 AVAILABILITY STATEMENT
Unlimited

17 SECURITY CLASSIFICATION (This report)
Unclassified

18 NUMBER OF PAGES

19 SECURITY CLASSIFICATION (This page)
Unclassified

20 PRICE
$

DISTRIBUTION LIST - NRC

INTERNAL DISTRIBUTION

Office of the Commissioners	5
Atomic Safety and Licensing Appeal Panel	3
Advisory Committee on Reactor Safeguards	6
Office of Inspector and Auditor	1
Office of Policy Evaluation	1
Office of the General Counsel	1
Office of Public Affairs	21
Office of Congressional Affairs	3
Office of the Executive Director for Operations	7
Office of Administration	2
Office of the Executive Legal Director	2
Office of Analysis and Evaluation of Operational Data	2
Office of International Programs	3
Office of State Programs	1
Office of Resource Management	19
Office of Nuclear Material Safety and Safeguards	2
- Division of Fuel Cycle and Material Safety	3
- Division of Safeguards	2
Office of Nuclear Reactor Regulation	138
- Division of Engineering	
- Division of Safety Technology	
- Division of Licensing	
- Division of Systems Integration	
- Division of Human Factors Safety	
Office of Nuclear Regulatory Research	4
Office of Inspection and Enforcement	7
- Region I	11
- Region II	10
- Region III	10
- Region IV	10
- Region V	7
	281

EXTERNAL DISTRIBUTION

SPECIAL REQUESTS

Air Force	1
Congress	10
Department of Energy	32
Government Accounting Office	1
Environmental Protection Agency	1
Electric Power Research Institute	1
Argonne National Laboratory	3
Bureau of Mines	1
Department of Agriculture	1
Department of the Commerce	1
Department of the Interior	1
	53

OTHER

GPO Depository	440
GPO Stores	75
National Technical Information Service	25
Subscriptions (NTIS)	250
Colleges and Libraries (including Public Document Rooms)	128
Utilities and Other Requests	227
	1145

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

FIRST CLASS MAIL
POSTAGE & FEES PAID
USNRC
WASH D C
PERMIT No G 67