NUREG-0020
Vol. 8, No. 9
September 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 08-31-83

UNITED STATES NUCLEAR REGULATORY COMMISSION

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Manuscript Completed: October 1984
Date Published: October 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.

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G L O S S A R Y

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

G L O S S A R Y (continued)

HOURS REACTOR CRITICAL	The total clock hours in the report period during which the reactor sustained a controlled chain reaction.
MAXIMUM DEPENDABLE CAPACITY (GROSS) (MDC Gross) (Gross MWe)	Dependable main-unit gross capacity, winter or summer, whichever is smaller. The dependable capacity varies because the unit efficiency varies during the year due to cooling water temperature variations. It is the gross electrical output as measured at the output terminals of the turbine generator during the most restrictive seasonal conditions (usually summer).
MAXIMUM DEPENDABLE CAPACITY (NET) (MDC Net) (Net MWe)	Maximum Dependable Capacity (Gross) less the normal station service loads.
NAMEPLATE RATING (Gross MWe)	The nameplate power designation of the generator in megavolt amperes (MVA) times the nameplate power factor of the generator. NOTE: The nameplate rating of the generator may not be indicative of the maximum or dependable capacity, since some other item of equipment of a lesser rating (e.g., turbine) may limit unit output.
NET ELECTRICAL ENERGY GENERATED	Gross electrical output of the unit measured at the output terminals of the turbine generator during the reporting period, minus the normal station service electrical energy utilization. If this quantity is less than zero, a negative number should be recorded.
OUTAGE	A situation in which no electrical production takes place.
OUTAGE DATE	As reported on Appendix D of Reg. Guide 1.16, the date of the start of the outage. If continued from a previous minth, report the same outage date but change "Method of Shutting Down Reactor" to "4 (continuations)" and add a note: "Continued from previous month."
OUTAGE DURATION	The Total clock hours of the outage measured from the beginning of the report period or the outage, whichever comes last, to the end of the report period or the outage, whichever comes first.
OUTAGE NUMBER	A number unique to the outage assigned by the licensee. The same number is reported each month in which the outage is in progress. One format is "76-05" for the fifth outage to occur in 1976.
PERIOD HOURS	See "Hours in Reporting Period."
POWER REDUCTION	A reduction in the Average Daily Power Level of more than 20% from the previous day. All power reductions are defined as outage of zero hours durations for the purpose of computing unit service and availability factors, and forced outage rate.

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

UNIT AVAILABILITY FACTOR	$\frac{\text{Unit Available Hours} \times 100}{\text{Period Hours}}$
UNIT CAPACITY FACTORS	
- Using Licensed Thermal Power	$\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$
- Using Nameplate Rating	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$
- Using DER	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$
- Using MDC Gross	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$
- Using MDC Net	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$

NOTE: if MDC GROSS and/or MDC NET have not been determined, the DER is substituted for this quantity for Unit Capacity Factor calculations.

UNIT FORCED OUTAGE RATE	$\frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
UNIT RESERVE SHUTDOWN	The removal of the unit from on-line operation for economic or other similar reasons when operation could have been • continued.
UNIT RESERVE SHUTDOWN HOURS	The total clock hours in the report period during which the unit was in reserve shutdown mode.
UNIT SERVICE FACTOR	$\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$
UNIT SERVICE HOURS	See "Hours Generator On-Line."

NOTE:

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

INDEX TO OPERATING POWER REACTORS

SECTION 1

CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS

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

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

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

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

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

POWER GENERATION

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
1. GROSS ELECTRICAL (MWHE)	30,184,531	28,811,822	224,314,256
2. NET ELECTRICAL (MWHE)	28,742,464	27,430,862	213,260,960
3. AVG. UNIT SERVICE FACTOR (%)	68.2	64.2	63.3
4. AVG. UNIT AVAILABILITY FACTOR (%)	68.2	64.2	63.3
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	62.1	58.8	58.7
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	60.6	57.4	57.3
7. FORCED OUTAGE RATE (%)	12.4	13.1	10.1

ACTUAL VS. POTENTIAL ENERGY PRODUCTION

			% OF POTENTIAL PRODUCTION
1.	ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	28,742,464 NET	62.2
2.	ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	8,979,422 MWHe	19.4
3.	ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,750,086 MWHe	12.4
4.	ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,743,819 MWHe	5.9
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)		46,215,792 MWHe	100.0% TOTAL
5.	ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	786,216 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	63	7,205.0	12.3	5,750,086
2. SCHEDULED OUTAGES DURING REPORT PERIOD	21	11,490.3	19.5	8,979,422
TOTAL	84	18,695.3	31.8	14,729,509

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

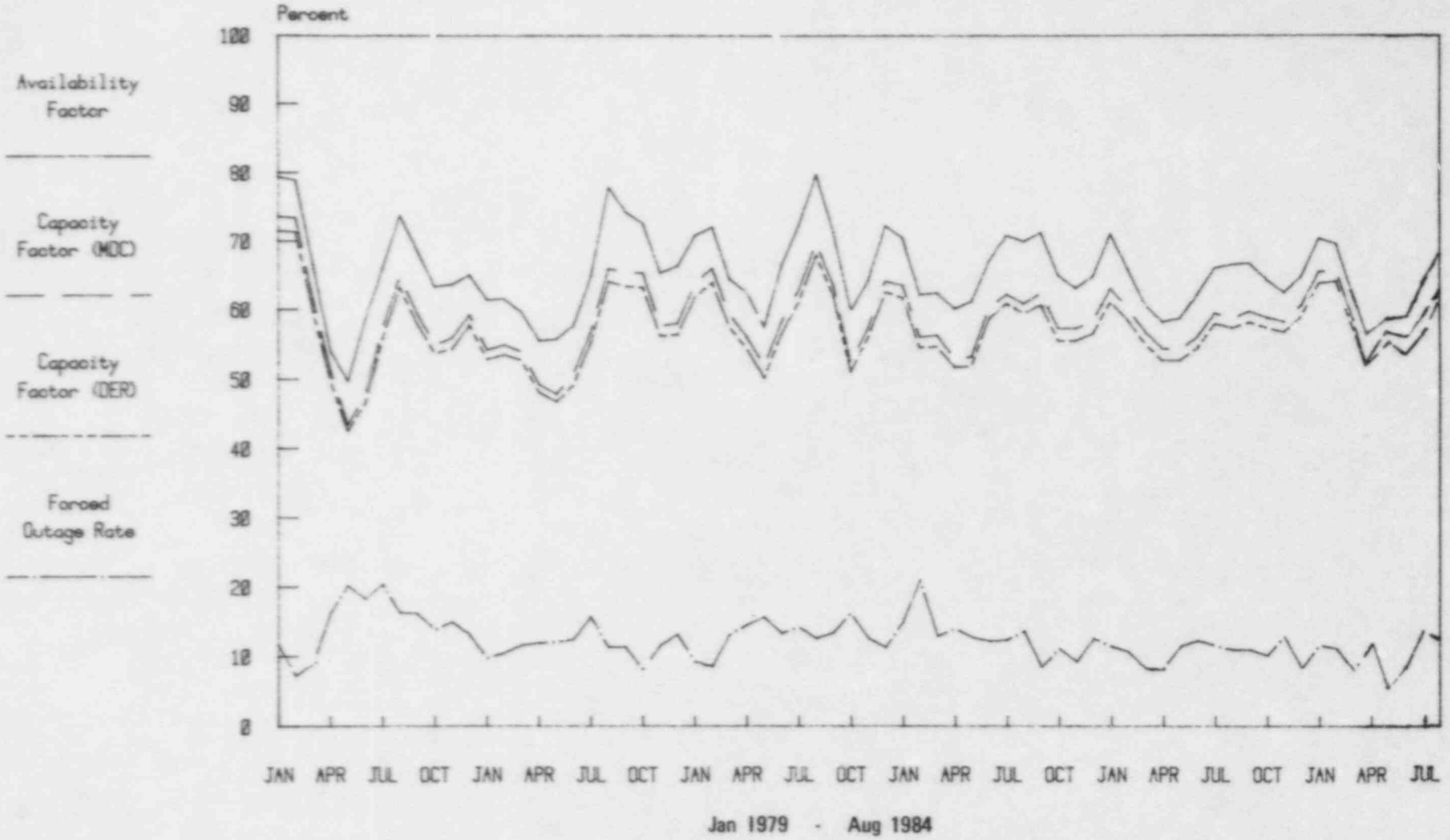
REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
	A - Equipment Failure	48	5,215.8
	B - Maintenance or Test	7	1,958.8
	C - Refueling	14	9,481.3
	D - Regulatory Restriction	2	937.4
	E - Operator Training & License Examination	0	0.0
	F - Administrative	0	0.0
	G - Operational Error	4	154.5
	H - Other	9	947.5
	TOTAL	84	18,695.3

DERATED		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
	FORT ST VRAIN	330	280	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
	ARKANSAS 2	A	BROWNS FERRY 1	B	BROWNS FERRY 3	C	BRUNSWICK 2	C
	CALVERT CLIFFS 2	A	COOK 1	B	FITZPATRICK	A	FORT ST VRAIN	A
	HADDAM NECK	C	HATCH 2	H	INDIAN POINT 2	C	LA CROSSE	A,A
	MCGUIRE 2	A,A	MONTICELLO	C	NORTH ANNA 1	C	NORTH ANNA 2	C
	OYSTER CREEK 1	C	PALISADES	A	PEACH BOTTOM 2	C	PILGRIM 1	C
	QUAD CITIES 1	C	RANCHO SECO 1	A	ROBINSON 2	C	SALEM 1	A
	SALEM 2	A	SAN ONOFRE 1	B	SAN ONOFRE 3	D	SEQUOYAH 2	A
	THREE MILE ISLAND 1	D	TROJAN	C	TURKEY POINT 4	G	VERMONT YANKEE 1	C
	YANKEE-ROWE 1	A	ZION 1	B				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 08-31-84



Jan 1979 - Aug 1984

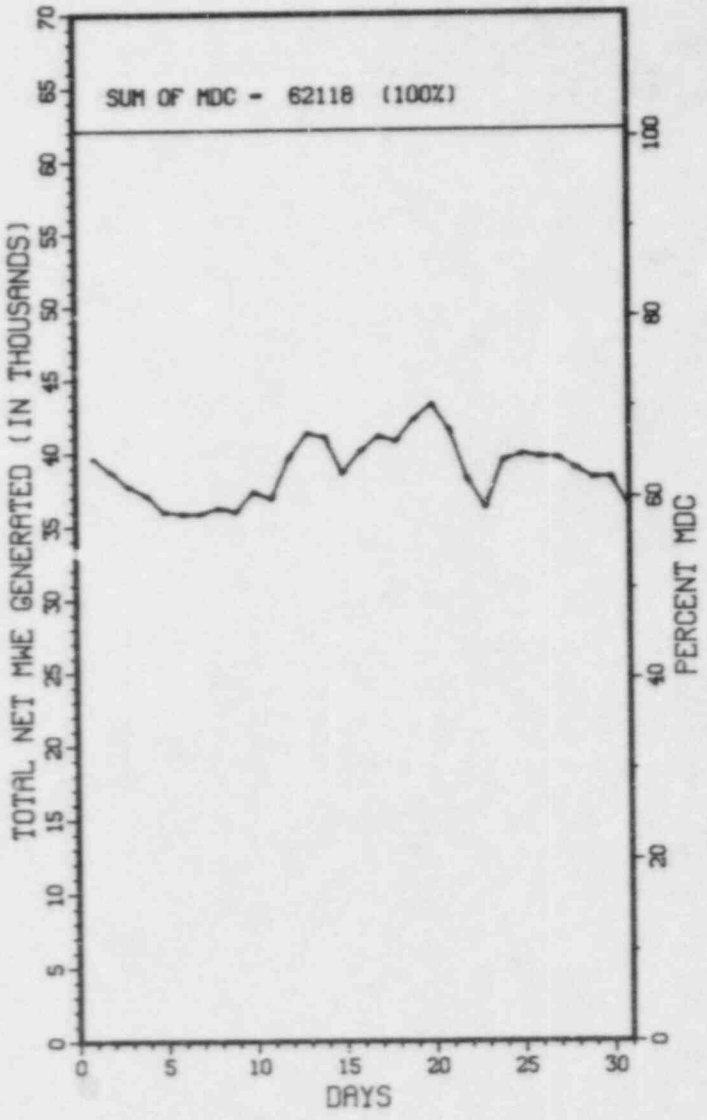
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALLY OPERATING UNITS

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".

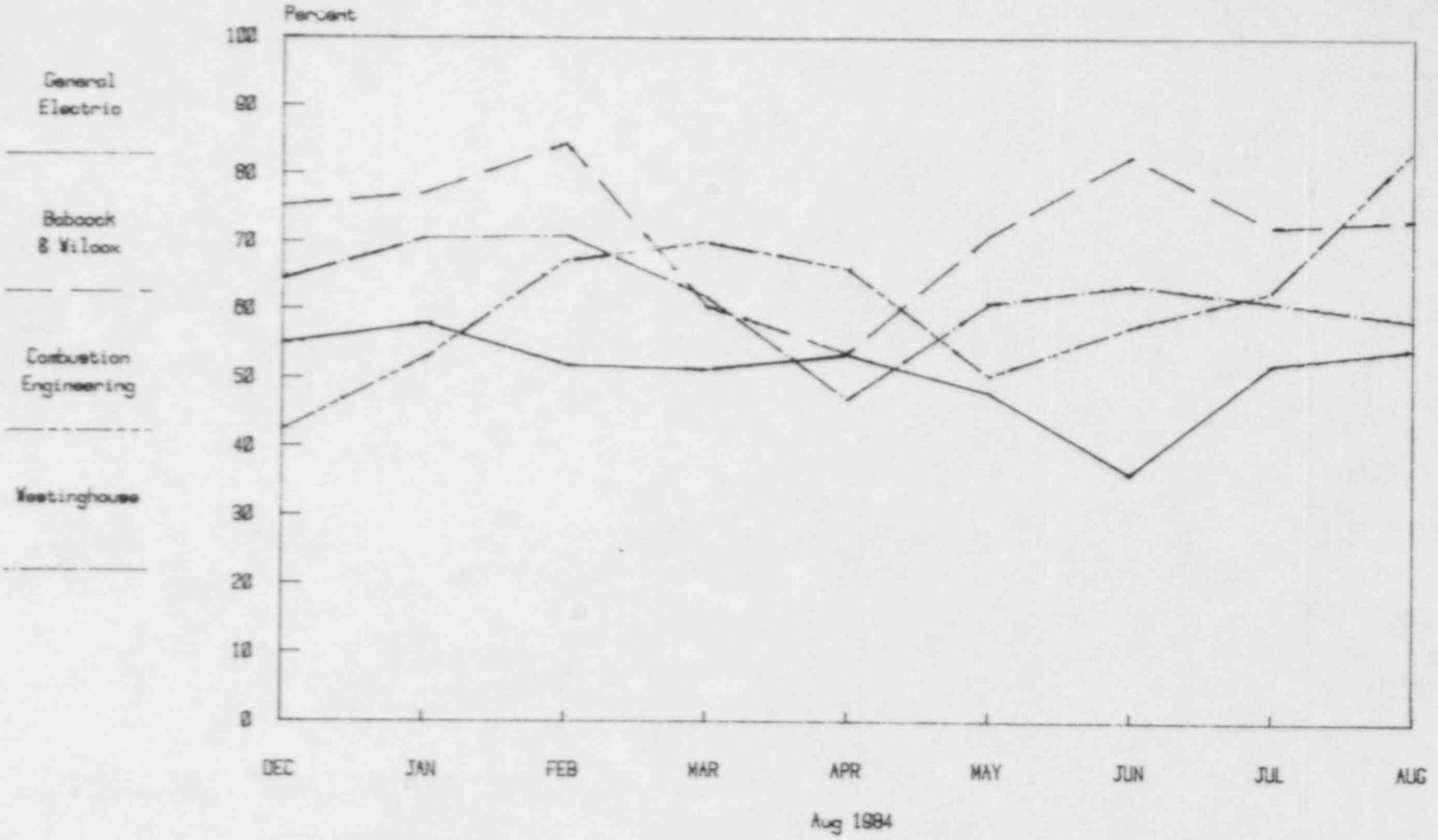
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



AUGUST 1984

Vendor Average Capacity Factors

As Of 08-31-84



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	
64.4	BROWNS FERRY 1	60.9	BROWNS FERRY 2	0.0	BROWNS FERRY 3	85.0	BRUNSWICK 1
0.0	BRUNSWICK 2	72.0	COOPER STATION	87.5	DRESDEN 2	76.1	DRESDEN 3
94.2	DUANE ARNOLD	70.1	FITZPATRICK	73.7	HATCH 1	0.0	HATCH 2
84.4	LASALLE 1	79.2	MILLSTONE 1	0.0	MONTICELLO	94.5	NINE MILE POINT 1
0.0	OYSTER CREEK 1	0.0	PEACH BOTTOM 2	90.5	PEACH BOTTOM 3	0.0	PILGRIM 1
23.9	QUAD CITIES 1	92.4	QUAD CITIES 2	97.0	SUSQUEHANNA 1	40.8	VERMONT YANKEE 1

BABCOCK & WILCOX

CFMDC		CFMDC		CFMDC		CFMDC	
80.4	ARKANSAS 1	94.4	CRYSTAL RIVER 3	87.5	DAVIS-BESSE 1	98.5	OCONEE 1
96.3	OCONEE 2	91.0	OCONEE 3	34.7	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

COMBUSTION ENGINEERING

CFMDC		CFMDC		CFMDC		CFMDC	
89.8	ARKANSAS 2	90.8	CALVERT CLIFFS 1	83.8	CALVERT CLIFFS 2	97.8	FORT CALHOUN 1
102.1	MAINE YANKEE	95.0	MILLSTONE 2	8.0	PALISADES	87.4	SAN ONOFRE 2
64.2	SAN ONOFRE 3	97.4	ST LUCIE 1	98.0	ST LUCIE 2		

WESTINGHOUSE

CFMDC		CFMDC		CFMDC		CFMDC	
95.1	BEAVER VALLEY 1	53.9	COOK 1	91.6	COOK 2	101.7	FARLEY 1
97.9	FARLEY 2	98.3	GINNA	0.0	HADDAM NECK	0.0	INDIAN POINT 2
80.1	INDIAN POINT 3	102.0	KEWAUNEE	89.1	MCGUIRE 1	23.0	MCGUIRE 2
0.0	NORTH ANNA 1	5.8	NORTH ANNA 2	102.2	POINT BEACH 1	100.5	POINT BEACH 2
93.0	PRAIRIE ISLAND 1	83.8	PRAIRIE ISLAND 2	0.0	ROBINSON 2	0.0	SALEM 1
70.2	SALEM 2	0.0	SAN ONOFRE 1	83.9	SEQUOYAH 1	60.5	SEQUOYAH 2
89.3	SUMMER 1	70.9	SURRY 1	89.6	SURRY 2	0.0	TROJAN
93.4	TURKEY POINT 3	81.9	TURKEY POINT 4	56.7	YANKEE-ROWE 1	3.0	ZION 1
91.9	ZION 2						

OTHER INFO

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

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	7,767,662	11,592,778	5,633,767	3,698,712	20,925,257
MDC NET.....	19,226	26,641	9,049	6,760	42,450
CFMDC.....	54.3	58.5	83.7	73.5	66.3

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

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: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: K. L. MORTON (501) 964-3155
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1003 X 0.9 = 903
6. Design Electrical Rating (Net MWe): 850
7. Maximum Dependable Capacity (Gross MWe): 883
8. Maximum Dependable Capacity (Net MWe): 836
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	85,050.0
13. Hours Reactor Critical	744.0	5,224.4	57,659.7
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	697.8	5,160.4	56,410.6
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	1,592,306	12,320,448	134,240,745
18. Gross Elec Ene~ (MWH)	526,110	4,122,675	44,261,040
19. Net Elec Ener (MWH)	499,901	3,938,255	42,196,642
20. Unit Service Factor	93.8	88.1	66.3
21. Unit Avail Factor	93 ~	88.1	67.3
22. Unit Cap Factor (MDC Net)	80.4	80.5	59.3
23. Unit Cap Factor (DER Net)	79.0	79.1	58.4
24. Unit Forced Outage Rate	6.2	1.2	15.4
25. Forced Outage Hours	46.2	61.0	10,239.1

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

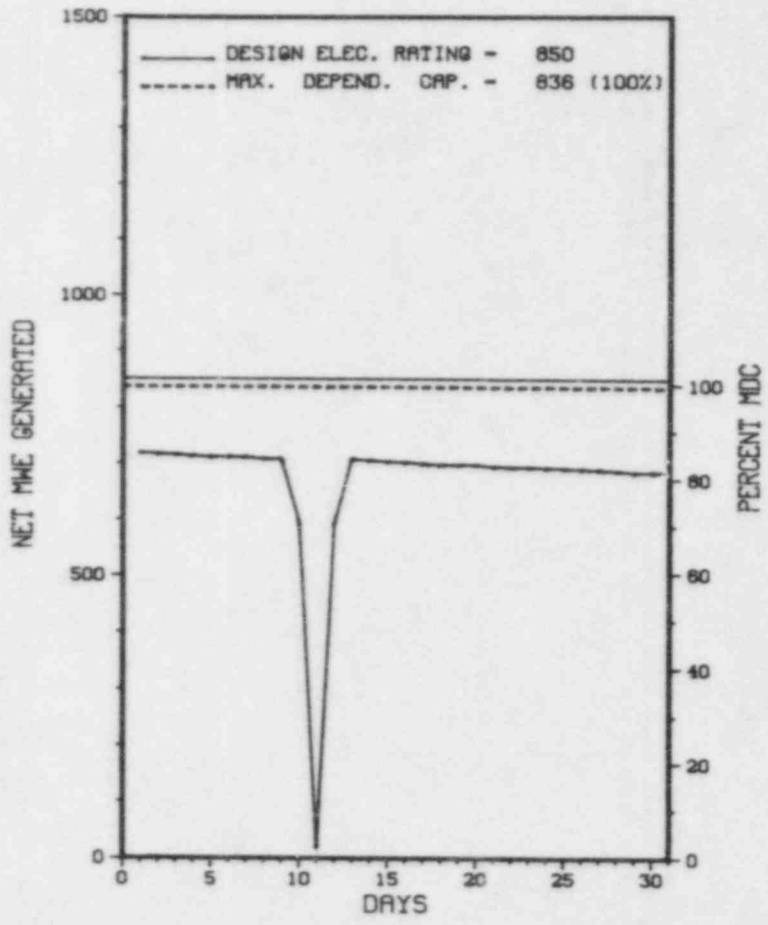
REFUELING & MAINT: 10/12/84 THROUGH 12/22/85

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-03	08/11/84	F	46.2	A	1		AB	SEAL	THE UNIT WENT TO HOT STANDBY TO REPAIR A LEAKING RCP SEAL PRESSURE SENSING LINE. REPAIRS WERE COMPLETED, AND THE UNIT RETURNED TO NORMAL OPERATION.

****
* SUMMARY *
****

ARKANSAS 1 OPERATED WITH 1 OUTAGE 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
			9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

Report Period AUG 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...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
APCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....B. JOHNSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 19-22, 1984 (84-20)

ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PROGRAM AUDIT, PHYSICAL BARRIERS - PROTECTED AREA, PHYSICAL BARRIERS - VITAL AREA, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, ACCESS CONTROL - PACKAGES, AND ACCESS CONTROL - VEHICLES.

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

INSPECTION CONDUCTED JUNE 25-29, 1984 (84-21)

ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S CHEMISTRY AND RADIOCHEMISTRY PROGRAM INCLUDING REVIEW OF ORGANIZATION, TRAINING, AUDITS OF CHEMISTRY/RADIOCHEMISTRY ACTIVITIES, ADMINISTRATIVE AND ANALYTICAL PROCEDURES, INSTRUMENT CALIBRA-TION AND QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, RADIO-CHEMISTRY CONFIRMATORY MEASUREMENTS OF SELECTED PLANT RADIO-ACTIVE EFFLUENT SAMPLES, AND WHOLE BODY COUNTING CONFIRMATORY MEASUREMENTS.

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

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO CRITERION VII OF APPENDIX B TO 10 CFR PART 50 AND PARAGRAPHS 5.0 AND 6.1.4 OF ARKANSAS POWER & LIGHT COMPANY PROCEDURE NO. 1033.01, QUALITY CONTROL STAFF REVIEW OF RECEIVED MATERIALS DOCUMENTATION DID NOT ASSURE CONFORMANCE TO PROCUREMENT REQUIREMENTS AS EVIDENCED BY: 1. ACCEPTANCE OF FASTENER CERTIFICATIONS FROM CARDINAL INDUSTRIAL PRODUCTS CORPORATION WHICH DID NOT COMPLY WITH THE MECHANICAL TEST, CHEMICAL ANALYSIS, AND HEAT TREATMENT DOCUMENTATION REQUIREMENTS OF THE PURCHASE ORDER; 2. ACCEPTANCE OF SUB-TIER VENDOR FASTENER CERTIFICATIONS FROM SOUTHERN BOLT & FASTENER CORPORATION WHICH DID NOT COMPLY WITH THE QUALITY ASSURANCE AND HEAT TREATMENT DOCUMENTATION REQUIREMENTS OF THE PURCHASE ORDER. CONTRARY TO CRITERION VII OF APPENDIX B TO 10 CFR PART 50 AND PARAGRAPHS 5.0 AND 6.1.4 OF ARKANSAS POWER & LIGHT COMPANY PROCEDURE NO. 1033.01, QUALITY CONTROL STAFF REVIEW OF RECEIVED MATERIALS DOCUMENTATION DID NOT ASSURE CONFORMANCE TO PROCUREMENT REQUIREMENTS AS EVIDENCED BY: 1. ACCEPTANCE OF FASTENER CERITFICATIONS FROM CARDINAL INDUSTRIAL PRODUCTS CORPORATION WHICH DID NOT COMPLY WITH THE MECHANICAL TEST, CHEMICAL ANALYSIS, AND HEAT TREATMENT DOCUMENTATION REQUIREMENTS OF THE PURCHASE ORDER; 2. ACCEPTANCE OF SUB-TIER VENDOR FASTENER CERTIFICATIONS FROM SOUTHERN BOLT & FASTENER CORPORATION WHICH DID NOT COMPLY WITH THE QUALITY ASSURANCE AND HEAT TREATMENT DOCUMENTATION REQUIREMENTS OF THE PURCHASE ORDER.
(8335 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

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

INSPECTION REPORT NO: 50-313/84-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2815

5. Nameplate Rating (Gross MWe): 943

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	38,879.0
13. Hours Reactor Critical	656.6	4,876.6	26,549.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,430.1
15. Hrs Generator On-Line	656.6	4,715.2	25,665.5
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	1,803,614	12,123,739	64,673,279
18. Gross Elec Ener (MWH)	599,561	4,935,313	21,052,264
19. Net Elec Ener (MWH)	573,046	3,849,217	20,055,557
20. Unit Service Factor	88.3	80.5	66.0
21. Unit Avail Factor	88.3	80.5	66.2
22. Unit Cap Factor (MDC Net)	89.8	76.6	60.1
23. Unit Cap Factor (DER Net)	84.5	72.1	56.6
24. Unit Forced Outage Rate	11.7	7.6	18.3
25. Forced Outage Hours	87.4	388.6	5,767.1

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

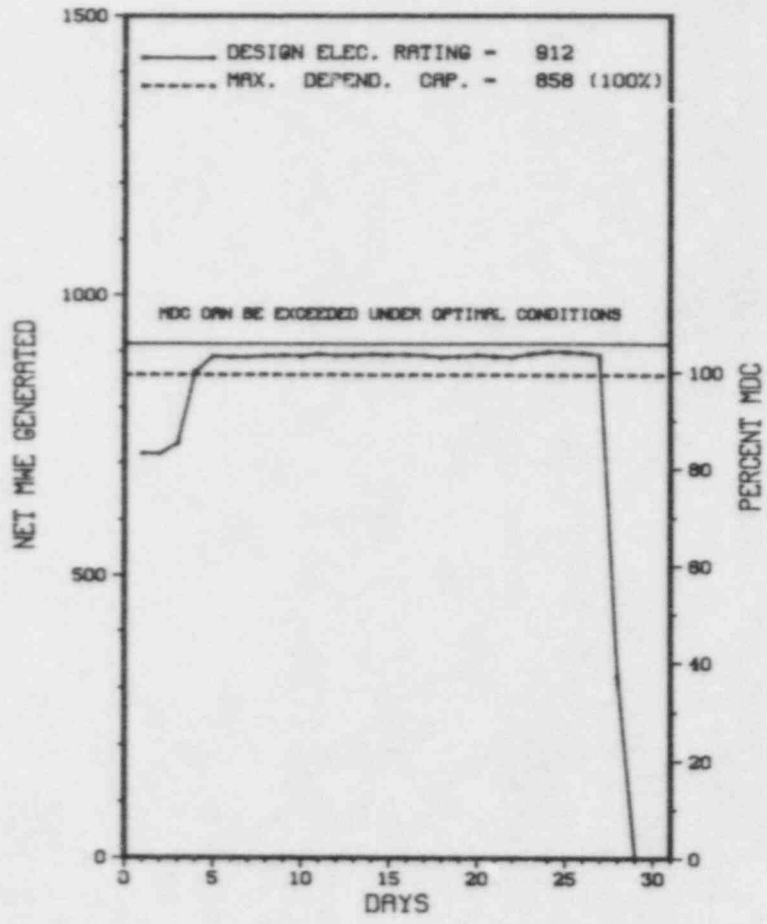
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8408	08/28/84	F	87.4	A	3	2-84248	ZZ	ZZZZZZ	THE UNIT TRIPPED DUE TO A DROPPED CEA. THE UNIT THEN WENT TO CSD TO REPAIR A FAULTY RCP SEAL AND A LEAKING STEAM GENERATOR MANWAY.

*** SUMMARY ***

ARKANSAS 2 OPERATED WITH 1 OUTAGE 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
			9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

Report Period AUG 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 ON JUNE 19-22, 1984 (84-20)

ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PROGRAM AUDIT, PHYSICAL BARRIERS - PROTECTED AREA, PHYSICAL BARRIERS - VITAL AREA, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, ACCESS CONTROL - PACKAGES, AND ACCESS CONTROL - VEHICLES.

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

INSPECTION CONDUCTED JUNE 25-29, 1984 (84-21)

ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S CHEMISTRY AND RADIOCHEMISTRY PROGRAM INCLUDING REVIEW OF ORGANIZATION, TRAIN-ING, AUDITS OF CHEMISTRY/RADIOCHEMISTRY ACTIVITIES, ADMINISTRATIVE AND ANALYTICAL PROCEDURES, INSTRUMENT CALIBRATION AND QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, RADIOCHEMISTRY CONFIRMATORY MEASUREMENTS OF SELECTED PLANT RADIOACTIVE EFFLUENT SAMPLES, AND WHOLE BODY COUNTING CONFIRMATORY MEASUREMENTS.

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

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

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

INSPECTION REPORT NO: 50-368/84-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013/00	6-17-84	7-17-84	REACTOR TRIP DUE TO DROPPED CONTROL ELEMENT ASSEMBLY (CEA)
84-014/00	6-18-84	7-17-84	REACTOR TRIP DUE TO HIGH STEAM GENERATOR LEVEL
84-015/00	3-2-84	7-23-84	BREACH OF FIRE BARRIER
84-016/00	6-21-84	7-23-84	INOPERABLE FIRE BARRIER - FIRE BARRIER DAMPERS

1. Docket: 50-334 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. L. HOLIZ (412) 643-1369
4. Licensed Thermal Power (MWt): 2660
5. Nameplate Rating (Gross MWe): 1026 X 0.9 = 923
6. Design Electrical Rating (Net MWe): 835
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 810
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	73,079.0
13. Hours Reactor Critical	744.0	5,501.3	36,384.6
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	744.0	5,329.1	35,108.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,949,986	13,475,781	81,065,313
18. Gross Elec Ener (MWH)	610,000	4,329,500	25,758,440
19. Net Elec Ener (MWH)	573,090	4,072,635	23,961,433
20. Unit Service Factor	100.0	91.0	50.4
21. Unit Avail Factor	100.0	91.0	50.4
22. Unit Cap Factor (MDC Net)	95.1	85.9	44.1
23. Unit Cap Factor (DER Net)	92.2	83.3	42.8
24. Unit Forced Outage Rate	.0	3.5	27.7
25. Forced Outage Hours	.0	195.0	17,872.1

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

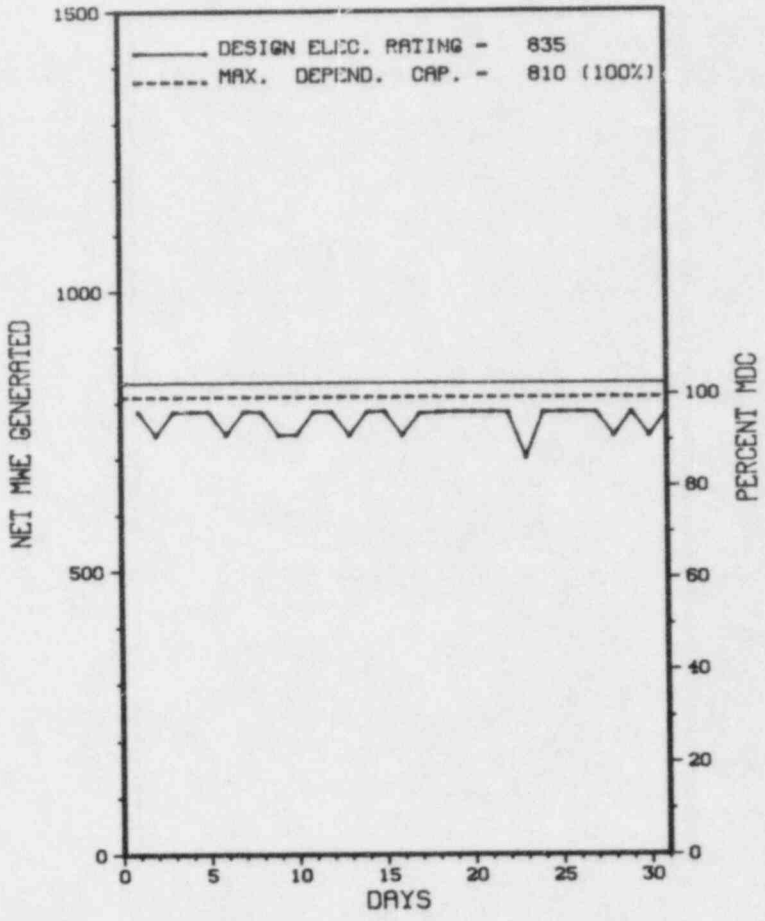
REFUELING & MAINTENANCE - 10/13/84 - 73 DAYS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 1

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

SUMMARY

BEAVER VALLEY 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING AUGUST.

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

Report Period AUG 1984

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

CONTRARY TO 10 CFR 50 APPENDIX B AND OQA PROGRAM SECTION A.2.2.11, TEST CONTROL, PROCEDURES USED TO PERFORM STATION BATTERY SERVICE TESTS DID NOT CONTAIN ACCEPTANCE CRITERIA CORRESPONDING TO THE DESIGN REQUIREMENTS OF THE DC SYSTEM. CONTRARY TO STATION ADMINISTRATIVE PROCEDURES, REQUIRED BY TS 6.8.1 AND REG GUIDE 1.33, THE SCOPE OF EQUIPMENT CLEARANCE PERMIT 495226 WAS EXPANDED TO INCLUDE WORK ON ADJOINING.
(8415 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.

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: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 69

8. Maximum Dependable Capacity (Net MWe): 64

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	187,842.0
13. Hours Reactor Critical	724.2	4,119.3	131,829.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	717.1	4,053.7	129,346.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	116,993	737,691	24,223,582
18. Gross Elec Ener (MWH)	37,692	239,270	7,654,879
19. Net Elec Ener (MWH)	35,371	225,410	7,237,622
20. Unit Service Factor	96.4	69.2	68.9
21. Unit Avail Factor	96.4	69.2	68.9
22. Unit Cap Factor (MDC Net)	74.3	60.2	57.4*
23. Unit Cap Factor (DER Net)	66.0	53.5	53.5
24. Unit Forced Outage Rate	3.6	21.1	16.7
25. Forced Outage Hours	26.9	1,081.3	10,981.6

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

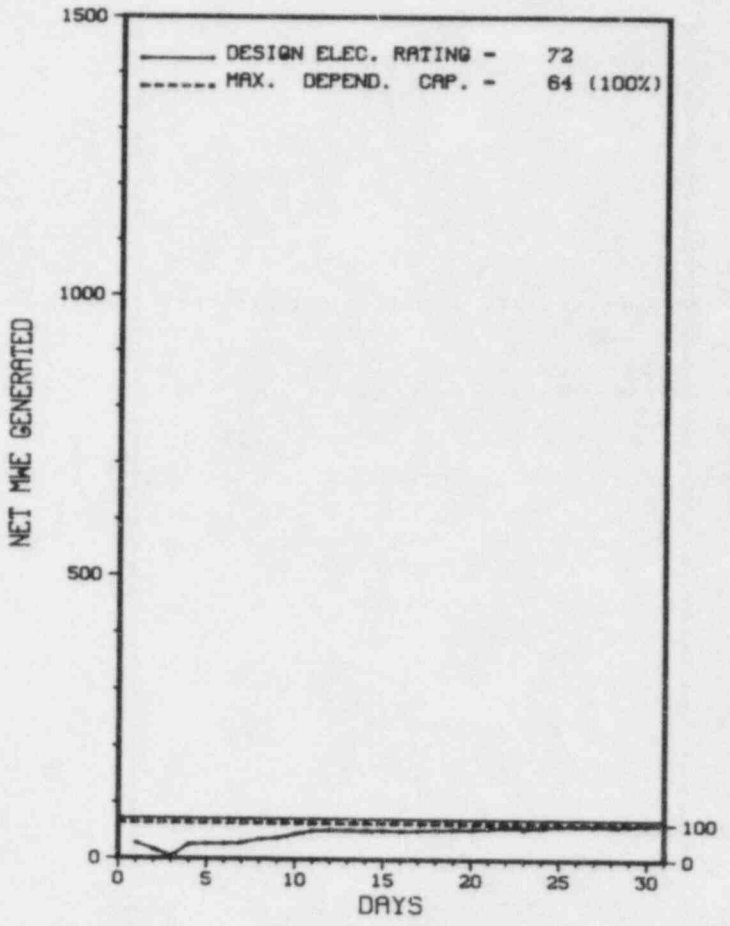
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

U N I T S H U T D O W N S / R E D U C T I O N S

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-06	08/02/84	F	0.0	A	5		HA	INSTRU	POWER REDUCTION TO REMOVE TURBINE GENERATOR FROM SERVICE FOR IPR REPAIRS.
84-07	08/03/84	F	26.9	A	1	84-12	HE	VALVEX	AFTER REMOVING TURBINE FROM SERVICE FOR IPR REAPIRS, TURBINE BYPASS VALVE WENT CLOSED LEADING TO SUBSEQUENT REACTOR SCRAM. PROCEDURAL CHANGES HAVE BEEN MADE TO CONTROL BYPASS MANUALLY WHEN AT LOW POWER LEVELS.

****
* SUMMARY *
****

BIG ROCK POINT 1 OPERATED WITH 1 OUTAGE AND 1 REDUCTION, EACH DUE TO EQUIPMENT FAILURE DURING AUGUST.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....CHARLEVOIX

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962

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

DATE COMMERCIAL OPERATE....MARCH 29, 1963

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....S. GUTHRIE

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 9-12, (84-08): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING THE REFUELING AND MAINTENANCE OUTAGE, INCLUDING: PLANNING AND PREPARATION; CHANGES; TRAINING AND QUALIFICATIONS OF NEW PERSONNEL; EXTERNAL EXPOSURE CONTROL; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION; ALARA PROGRAM; AND OPEN ITEMS. ALSO, AN INCIDENT INVOLVING A LEAK IN A CONDENSATE TANK DEMINERALIZED WATER SUPPLY LINE WAS REVIEWED. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 10-14, 1984

INSPECTION REPORT NO: 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
84-03	05/30/84	08/16/84	UNMONITORED LIQUID RELEASE TO SOIL.
84-09	07/26/84	08/22/84	TURBINE BYPASS VALVE CLOSING RESULTING IN SCRAM.
84-10	07/27/84	08/22/84	SHORT PERIOD REACTOR PROTECTION SYSTEM TRIP.

1. Docket: 50-259 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: TED THOM (205) 729-0834
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	88,417.0
13. Hours Reactor Critical	509.4	5,138.4	54,944.2
14. Rx Reserve Shtdwn Hrs	234.6	700.1	6,484.7
15. Hrs Generator On-Line	494.7	5,012.9	53,730.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,607,170	15,303,209	153,860,888
18. Gross Elec Ener (MWH)	526,390	5,083,220	50,728,840
19. Net Elec Ener (MWH)	510,650	4,908,008	49,233,335
20. Unit Service Factor	66.5	85.6	60.8
21. Unit Avail Factor	66.5	85.6	60.8
22. Unit Cap Factor (MDC Net)	64.4	78.7	52.3
23. Unit Cap Factor (DER Net)	64.4	78.7	52.3
24. Unit Forced Outage Rate	33.5	13.9	23.0
25. Forced Outage Hours	249.3	810.3	16,035.0

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

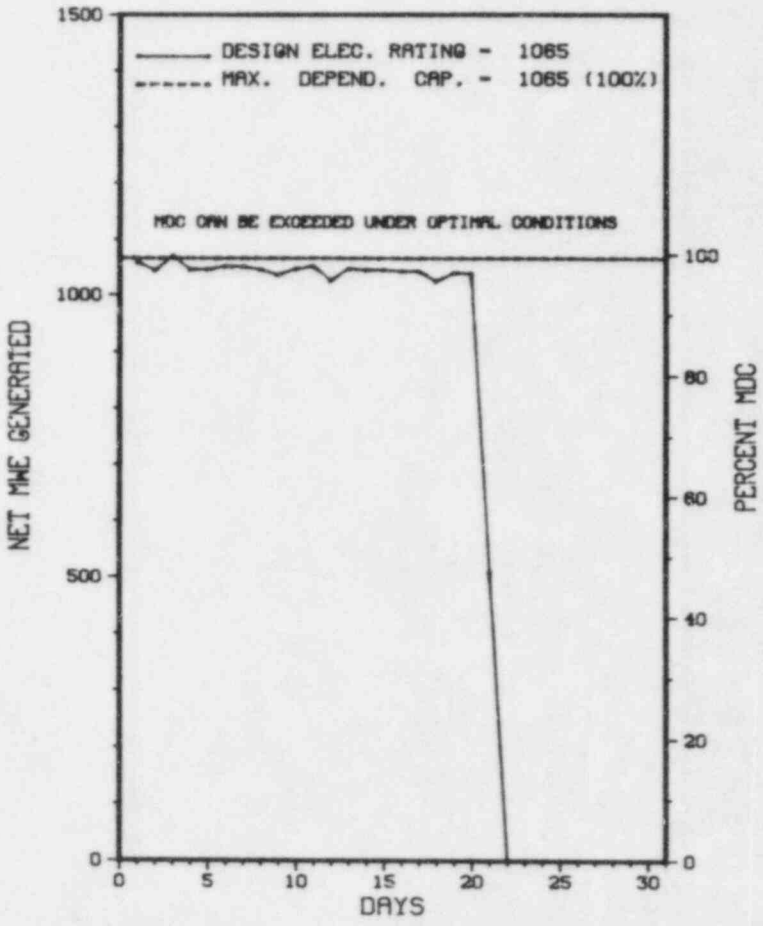
NONE

27. If Currently Shutdown Estimated Startup Date: 09/07/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
289	08/21/84	F	249.3	B	1				REACTOR MANUALLY SCRAMMED TO TEST CHECK VALVE FCV-75-26 FOR PROPER SEATING.

SUMMARY

BROWNS FERRY 1 SHUTDOWN ON AUGUST 21 FOR TESTING.

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

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

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 17, 1973

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

DATE COMMERCIAL OPERATE....AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION 13-14 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 31 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.2.B.4.C AS IMPLEMENTED BY BROWNS FERRY STANDARD PRACTICE 8.3 AND 17.18 REQUIRES THAT THE PLANT OPERATING REVIEW COMMITTEE REVIEW PROPOSED CHANGES TO SYSTEMS HAVING SAFETY SIGNIFICANCE AND WHICH MAY CONSTITUTE ANY UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISIONS TO UNREVIEWED SAFETY QUESTION DETERMINATIONS ARE NOT GENERICALLY REVIEWED BY THE PLANT OPERATING REVIEW COMMITTEE AS REQUIRED BY BROWNS FERRY STANDARD PRACTICE 17.18 AND 8.3. SPECIFICALLY, REVISIONS TO SAFETY EVALUATIONS GENERATED FROM THE TVA DESIGN ORGANIZATION ARE NOT REVIEWED TO DETERMINE SPECIAL CONDITIONS OR REQUIREMENTS DELINEATED IN THE REVISIONS. A REVIEW OF ECN 0392 (INSTALLATION OF THE SCRAM DISCHARGE VOLUME AND

ENFORCEMENT SUMMARY

ASSOCIATED INSTRUMENTATION) FOR ALL UNITS INDICATED THAT PLANT SUPERVISORS AND MANAGERS WERE UNAWARE OF SPECIAL TIMING REQUIREMENTS FOR INSTRUMENT RESPONSES, SPECIAL ADMINISTRATIVE PROCEDURES REQUIRED TO BE IMPLEMENTED FOR CERTAIN CONFIGURATION DESIGNS AND QUALIFICATION CRITERIA.
(8346 4)

TECHNICAL SPECIFICATION 6.7.2.A(9) REQUIRES A PROMPT NOTIFICATION UPON DISCOVERY DURING PLANT LIFE OF CONDITIONS NOT SPECIFICALLY CONSIDERED IN THE SAFETY ANALYSIS REPORT OR TECHNICAL SPECIFICATIONS THAT REQUIRE REMEDIAL ACTION OR CORRECTIVE MEASURES TO PREVENT THE EXISTENCE OR DEVELOPMENT OF AN UNSAFE CONDITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS WERE FOUND IN MARCH 1983 TO HAVE A TUBE-SIDE DESIGN PRESSURE OF 75 PSIG IN A SYSTEM WITH A DESIGN PRESSURE OF 185 PSIG AND KNOWN OPERATING PRESSURES OF APPROXIMATELY 135 PSIG AND NO REPORT HAD BEEN MADE TO DATE. 10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, SUCH AS BY THE PERFORMANCE OF DESIGN REVIEWS, BY THE USE OF ALTERNATE OR SIMPLIFIED CALCULATIONAL METHODS OR BY THE PERFORMANCE OF A SUITABLE TESTING PROGRAM. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY EQUIPMENT COOLING WATER (EECW) DIESEL GENERATOR HEAT EXCHANGERS HAVE A DESIGN PRESSURE OF 75 PSIG WHICH IS EXCEEDED BY THE EECW NORMAL OPERATING PRESSURE OF 100 TO 120 PSIG AND EMERGENCY OPERATING PRESSURE OF APPROXIMATELY 135 PSIG.
(8355 3)

10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT MEASURES SHALL BE ESTABLISHED FOR THE IDENTIFICATION AND CONTROL OF DESIGN INTERFACES AND FOR COORDINATION AMONG PARTICIPATING DESIGN ORGANIZATIONS; THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN; AND THAT DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN." CONTRARY TO THE ABOVE, ENGINEERING PROCEDURE EN DES-EP 1.48 ISSUED DECEMBER 16, 1983 ALLOWED DECISIONS TO BE MADE FOR A SIGNIFICANT NONCONFORMING CONDITION WITHOUT DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN. IN CONSEQUENCE, SIXTEEN EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS AND TWELVE RHR PUMP SEAL COOLING HEAT EXCHANGERS WERE NOT TARGETED FOR PROMPT CORRECTIVE ACTION APPLYING THE GUIDANCE FROM EN DES-EP 1.48.
(8401 3)

FAILURE TO CONTROL ACCESS TO A CONTROLLED ACCESS AREA.

(8429 4)

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.

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

OTHER ITEMS

PLANT STATUS:

SHUTDOWN FOR TESTING.

LAST IE SITE INSPECTION DATE: JULY 31, 1984 +

INSPECTION REPORT NO: 50-259/84-29 +

REPORTS FROM LICENSEE

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

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	83,328.0
13. Hours Reactor Critical	744.0	5,554.8	55,518.7
14. Rx Reserve Shtdwn Hrs	.0	300.1	14,200.4
15. Hrs Generator On-Line	744.0	5,504.6	53,997.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,600,550	12,434,765	152,579,810
18. Gross Elec Ener (MWH)	501,660	3,967,580	50,564,868
19. Net Elec Ener (MWH)	482,530	3,849,508	49,108,111
20. Unit Service Factor	100.0	94.0	64.8
21. Unit Avail Factor	100.0	94.0	64.8
22. Unit Cap Factor (MDC Net)	60.9	61.7	55.3
23. Unit Cap Factor (DER Net)	60.9	61.7	55.3
24. Unit Forced Outage Rate	.0	4.3	23.1
25. Forced Outage Hours	.0	249.4	16,304.4

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

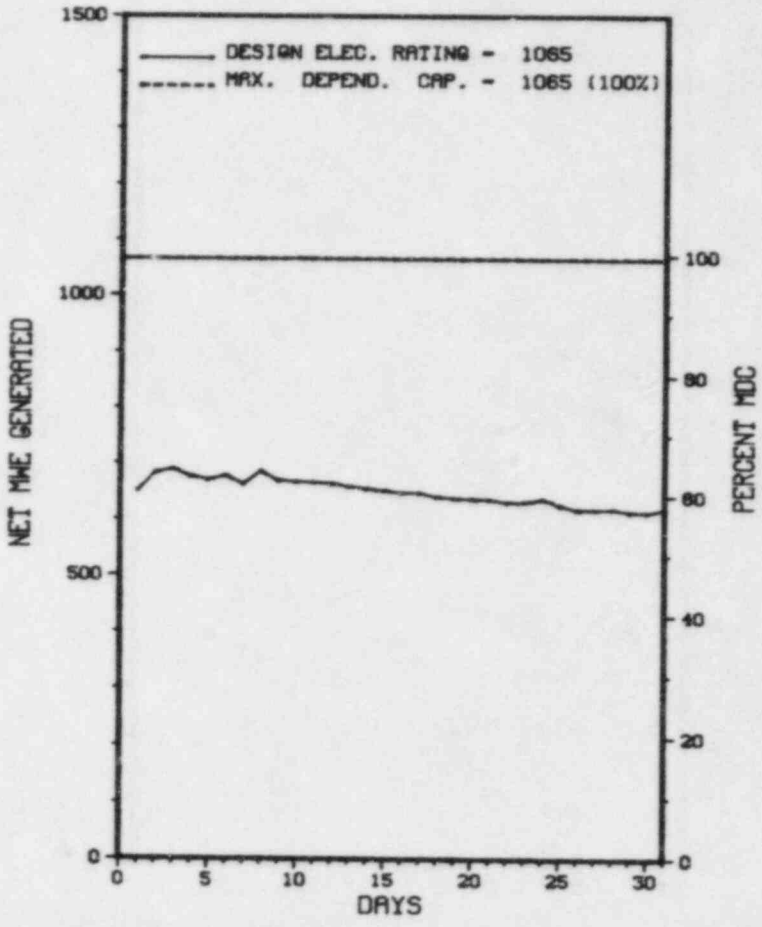
SEPTEMBER 1984 - REFUEL

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 2

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

SUMMARY

BROWNS FERRY 2 OPERATED WITH NO OUTAGES OR REDUCTIONS, ANTICIPATING A SEPTEMBER 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

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

DATE COMMERCIAL OPERATE....MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION 13-14 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 31 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY TVA TOPICAL REPORT, SECTION 17.2.16, REQUIRES THE LICENSEE TO ESTABLISH MEASURES TO ASSURE CONDITIONS ADVERSE TO QUALITY, SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT, AND NONCONFORMANCES, ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, FROM MARCH 18, 1983, THROUGH OCTOBER 13, 1983, ONE OF THE UNIT 2 WEST SCRAM DISCHARGE INSTRUMENT VOLUME SCRAM LEVEL SWITCHES (2-LT-85-45A) WAS INOPERABLE MAKING THE NUMBER OF OPERABLE INSTRUMENT CHANNELS LESS THAN TWO. THE LICENSEE HAD INFORMATION AVAILABLE FROM SCRAMS OCCURRING ON MAY 30, SEPTEMBER 18 AND OCTOBER 7, 1983, WHICH INDICATED THAT LEVEL TRANSMITTER 2-LT-85-45A WAS INOPERABLE. 10 CFR 50, APPENDIX

ENFORCEMENT SUMMARY

B. CRITERION III REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, SUCH AS BY THE PERFORMANCE OF DESIGN REVIEWS, BY THE USE OF ALTERNATE OR SIMPLIFIED CALCULATIONAL METHODS, OR BY THE PERFORMANCE OF A SUITABLE TESTING PROGRAM. DESIGN CONTROL MEASURES SHALL BE APPLIED TO THE DELINEATION OF ACCEPTANCE CRITERIA FOR TESTS. CONTRARY TO THE ABOVE, THE RQUIREMENT WAS NOT MET IN THAT THE POST MODIFICATION TESTING (PMT 110) CONDUCTED TO ASSURE DESIGN ADEQUACY ON THE NEWLY INSTALLED DIFFERENTIAL PRESSURE HIGH LEVEL DETECTORS (ROSEMOUNT 1153DP); (2-LT-85-45A) ON THE UNIT 2 SCRAM RESPONSE TIMING REQUIREMENTS. SUBSEQUENT RESPONSE TIMING TESTS ON 2-LT-85-45-A, CONDUCTED ON OCTOBER 14, 1983, HAS REVEALED INSTRUMENT RESPONSE TIME OF 17-1/2 MINUTES. THIS RESPONSE TIME EXCEEDS ALL SAFETY EVALUATION CRITERIA.
(8346 3)

TECHNICAL SPECIFICATION 6.2.B.4.C AS IMPLEMENTED BY BROWNS FERRY STANDARD PRACTICE 8.3 AND 17.18 REQUIRES THAT THE PLANT OPERATING REVIEW COMMITTEE REVIEW PROPOSED CHANGES TO SYSTEMS HAVING SAFETY SIGNIFICANCE AND WHICH MAY CONSTITUTE ANY UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISIONS TO UNREVIEWED SAFETY QUESTION DETERMINATIONS ARE NOT GENERICALLY REVIEWED BY THE PLANT OPERATING REVIEW COMMITTEE AS REQUIRED BY BROWNS FERRY STANDARD PRACTICE 17.18 AND 8.3. SPECIFICALLY, REVISIONS TO SAFETY EVALUATIONS GENERATED FROM THE TVA DESIGN ORGANIZATION ARE NOT REVIEWED TO DETERMINE SPECIAL CONDITIONS OR REQUIREMENTS DELINEATED IN THE REVISIONS. A REVIEW OF ECN 0392 (INSTALLATION OF THE SCRAM DISCHARGE VOLUME AND ASSOCIATED INSTRUMENTATION) FOR ALL UNITS INDICATED THAT PLANT SUPERVISORS AND MANAGERS WERE UNAWARE OF SPECIAL TIMING REQUIREMENTS FOR INSTRUMENT RESPONSES, SPECIAL ADMINISTRATIVE PROCEDURES REQUIRED TO BE IMPLEMENTED FOR CERTAIN CONFIGURATION DESIGNS AND QUALIFICATION CRITERIA. TECHNICAL SPECIFICATION 4.1.C REQUIRES THAT WHEN IT IS DETERMINED THAT A CHANNEL IS FAILED IN THE UNSAFE CONDITION, THE OTHER RPS CHANNEL THAT MONITORS THE SAME VARIABLE SHALL BE FUNCTIONALLY TESTED IMMEDIATELY BEFORE THE TRIP SYSTEM CONTAINING THE FAILURE IS TRIPPED. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT ON OCTOBEK 13, 1983 THE SCRAM DISCHARGE VOLUME SCRAM LEVEL SWITCH (2-LT-85-45A) WAS DISCOVERED INOPERABLE. THE LICENSEE FAILED TO PERFORM THE REQUIRED FUNCTIONAL TEST TO ENSURE OPERABILITY OF THE REDUNDANT REACTOR PROTECTION SYSTEM (RPS) CHANNEL. TECHNICAL SPECIFICATION 6.7.2.A.9 REQUIRES THAT A PROMPT NOTIFICATION BE MADE UPON DISCOVERY DURING PLANT LIFE OF CONDITIONS NOT SPECIFICALLY CONSIDERED IN THE SAFETY ANALYSIS REPORT OF TECHNICAL SPECIFICATIONS THAT REQUIRE REMEDIAL ACTION OR CORRECTIVE MEASURES TO PREVENT THE EXISTENCE OR DEVELOPMENT OF AN UNSAFE CONDITION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT KNOWN DEFICIENCIES EXISTED WITH THE SCRAM DISCHARGE VOLUME PRESSURE TRANSMITTERS (ROSEMOUNT 1153DP) ON UNIT 2 FROM ORIGINAL INSTALLATION, DUE TO EXCESSIVE TIME RESPONSE REQUIRED TO AFFECT THE REACTOR PROTECTION SYSTEM TRIP. PRESSURE TRANSMITTER 2-LT-85-45A EXCEEDED ALL SAFETY EVALUATION CRITERIA. TIME RESPONSE WAS KNOWN BY PLANT PERSONNEL TO BE VARIABLE FROM 15-29 MINUTES FROM THE UNIT'S ORIGINAL INSTALLATION. TVA'S DESIGN ORGANIZATION REDESIGNED THE LEVEL DETECTOR SYSTEM AFTER EVALUATING THE RESPONSE TIMES FOR A REPRESENTATIVE SAMPLE OF THE UNIT 2 LEVEL INSTRUMENTS AS BEING "EXCESSIVE". THIS REDESIGN EFFORT WAS NOT REPORTED AND THE EXACT TIMING OF THE LEVEL TRANSMITTER 2-LT-85-45A WAS NEVER PRECISELY DETERMINED UNTIL OCTOBER 14, 1983.
(8346 4)

TECHNICAL SPECIFICATION 6.7.2.A(9) REQUIRES A PROMPT NOTIFICATION UPON DISCOVERY DURING PLANT LIFE OF CONDITIONS NOT SPECIFICALLY CONSIDERED IN THE SAFETY ANALYSIS REPORT OR TECHNICAL SPECIFICATIONS THAT REQUIRE REMEDIAL ACTION OR CORRECTIVE MEASURES TO PREVENT THE EXISTENCE OR DEVELOPMENT OF AN UNSAFE CONDITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS WERE FOUND IN MARCH 1983 TO HAVE A TUBE-SIDE DESIGN PRESSURE OF 75 PSIG IN A SYSTEM WITH A DESIGN PRESSURE OF 185 PSIG AND KNOWN OPERATING PRESSURES OF APPROXIMATELY 135 PSIG AND NO REPORT HAD BEEN MADE TO DATE. 10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, SUCH AS BY THE PERFORMANCE OF DESIGN REVIEWS, BY THE USE OF ALTERNATE OR SIMPLIFIED CALCULATIONAL METHODS OR BY THE PERFORMANCE OF A SUITABLE TESTING PROGRAM. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY EQUIPMENT COOLING WATER (EECW) DIESEL GENERATOR HEAT EXCHANGERS HAVE A DESIGN PRESSURE OF 75 PSIG WHICH IS EXCEEDED BY THE EECW NORMAL OPERATING PRESSURE OF 100 TO 120 PSIG AND EMERGENCY OPERATING PRESSURE OF APPROXIMATELY 135 PSIG.
(8355 3)

10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT MEASURES SHALL BE ESTABLISHED FOR THE IDENTIFICATION AND CONTROL OF DESIGN INTERFACES AND FOR COORDINATION AMONG PARTICIPATING DESIGN ORGANIZATIONS; THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN; AND THAT DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN." CONTRARY TO THE ABOVE, ENGINEERING PROCEDURE EN DES-EP 1.48 ISSUED DECEMBER 16, 1983 ALLOWED DECISIONS TO BE MADE FOR A SIGNIFICANT NONCONFORMING CONDITION WITHOUT DESIGN CONTROL MEASURES

ENFORCEMENT SUMMARY

COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN. IN CONSEQUENCE, SIXTEEN EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS AND TWELVE RHR PUMP SEAL COOLING HEA EXCHANGERS WERE NOT TARGETED FOR PROMPT CORRECTIVE ACTION APPLYING THE GUIDANCE FROM EN DES-EP 1.48.
(8401 3)

FAILURE TO CONTROL ACCESS TO A CONTROLLED ACCESS AREA.

(8429 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

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

PLANT STATUS:

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

LAST IE SITE INSPECTION DATE: JULY 31, 1984 +

INSPECTION REPORT NO: 50-260/84-29 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	65,783.0
13. Hours Reactor Critical	.0	.0	43,088.6
14. Rx Reserve Shtdwn Hrs	.0	.0	3,878.1
15. Hrs Generator On-Line	.0	.0	42,194.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	126,285,520
18. Gross Elec Ener (MWH)	0	0	41,597,620
19. Net Elec Ener (MWH)	0	0	40,376,156
20. Unit Service Factor	.0	.0	64.1
21. Unit Avail Factor	.0	.0	64.1
22. Unit Cap Factor (MDC Net)	.0	.0	57.6
23. Unit Cap Factor (DER Net)	.0	.0	57.6
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):

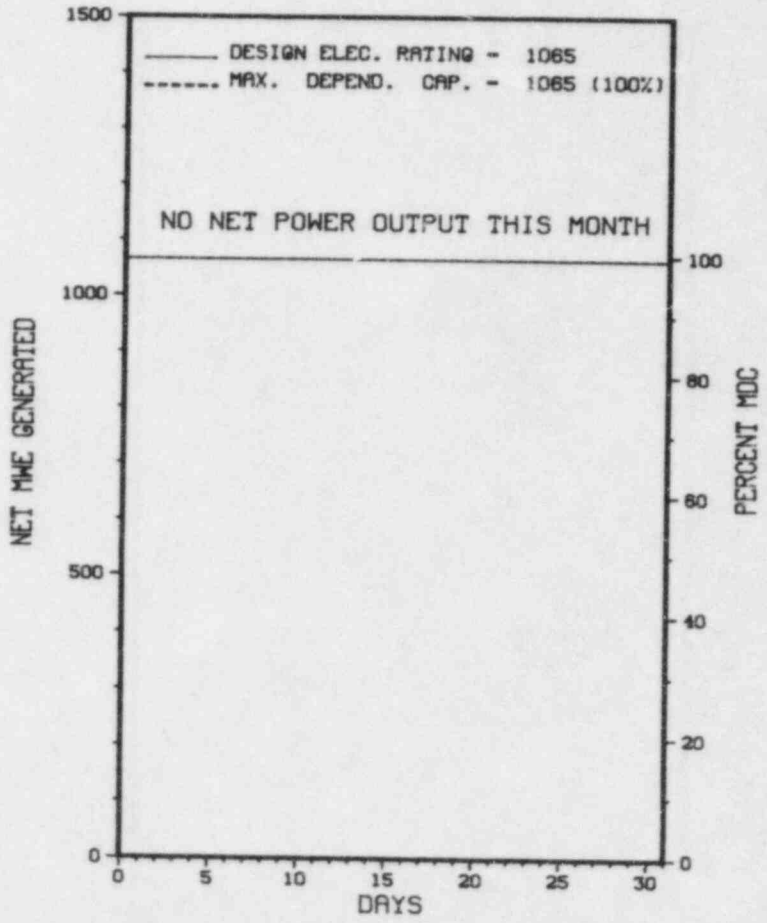
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



AUGUST 1984

Report Period AUG 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				EOC-5 REFUEL OUTAGE CONTINUES.

****
* SUMMARY *
****

BROWNS FERRY 3 REMAINS SHUTDOWN IN A CONTINUING REFUELING AND 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

Report Period AUG 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 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION 13-14 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 31 (84-29): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 1 INSPECTOR-HOURS ON SITE IN THE AREA OF SECURITY. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (FAILURE TO CONTROL ACCESS TO THE FUEL HANDLING AREA).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.2.B.4.C AS IMPLEMENTED BY BROWNS FERRY STANDARD PRACTICE 8.3 AND 17.18 REQUIRES THAT THE PLANT OPERATING REVIEW COMMITTEE REVIEW PROPOSED CHANGES TO SYSTEMS HAVING SAFETY SIGNIFICANCE AND WHICH MAY CONSTITUTE ANY UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT REVISIONS TO UNREVIEWED SAFETY QUESTION DETERMINATIONS ARE NOT GENERICALLY REVIEWED BY THE PLANT OPERATING REVIEW COMMITTEE AS REQUIRED BY BROWNS FERRY STANDARD PRACTICE 17.18 AND 8.3. SPECIFICALLY, REVISIONS TO SAFETY EVALUATIONS GENERATED FROM THE TVA DESIGN ORGANIZATION ARE NOT REVIEWED TO DETERMINE SPECIAL CONDITIONS OR REQUIREMENTS DELINEATED IN THE REVISIONS. A REVIEW OF ECN 0392 (INSTALLATION OF THE SCRAM DISCHARGE VOLUME AND

ENFORCEMENT SUMMARY

ASSOCIATED INSTRUMENTATION) FOR ALL UNITS INDICATED THAT PLANT SUPERVISORS AND MANAGERS WERE UNAWARE OF SPECIAL TIMING REQUIREMENTS FOR INSTRUMENT RESPONSES, SPECIAL ADMINISTRATIVE PROCEDURES REQUIRED TO BE IMPLEMENTED FOR CERTAIN CONFIGURATION DESIGNS AND QUALIFICATION CRITERIA.
(8346 4)

TECHNICAL SPECIFICATION 6.7.2.A(9) REQUIRES A PROMPT NOTIFICATION UPON DISCOVERY DURING PLANT LIFE OF CONDITIONS NOT SPECIFICALLY CONSIDERED IN THE SAFETY ANALYSIS REPORT OR TECHNICAL SPECIFICATIONS THAT REQUIRE REMEDIAL ACTION OR CORRECTIVE MEASURES TO PREVENT THE EXISTENCE OR DEVELOPMENT OF AN UNSAFE CONDITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS WERE FOUND IN MARCH 1983 TO HAVE A TUBE-SIDE DESIGN PRESSURE OF 75 PSIG IN A SYSTEM WITH A DESIGN PRESSURE OF 185 PSIG AND KNOWN OPERATING PRESSURES OF APPROXIMATELY 135 PSIG AND NO REPORT HAD BEEN MADE TO DATE. 10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, SUCH AS BY THE PERFORMANCE OF DESIGN REVIEWS, BY THE USE OF ALTERNATE OR SIMPLIFIED CALCULATIONAL METHODS OR BY THE PERFORMANCE OF A SUITABLE TESTING PROGRAM. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE EMERGENCY EQUIPMENT COOLING WATER (EECW) DIESEL GENERATOR HEAT EXCHANGERS HAVE A DESIGN PRESSURE OF 75 PSIG WHICH IS EXCEEDED BY THE EECW NORMAL OPERATING PRESSURE OF 100 TO 120 PSIG AND EMERGENCY OPERATING PRESSURE OF APPROXIMATELY 135 PSIG.
(8355 3)

10 CFR 50, APPENDIX B, CRITERION III REQUIRES THAT MEASURES SHALL BE ESTABLISHED FOR THE IDENTIFICATION AND CONTROL OF DESIGN INTERFACES AND FOR COORDINATION AMONG PARTICIPATING DESIGN ORGANIZATIONS; THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN; AND THAT DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN." CONTRARY TO THE ABOVE, ENGINEERING PROCEDURE EN DES-EP 1.48 ISSUED DECEMBER 16, 1983 ALLOWED DECISIONS TO BE MADE FOR A SIGNIFICANT NONCONFORMING CONDITION WITHOUT DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN. IN CONSEQUENCE, SIXTEEN EMERGENCY DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS AND TWELVE RHR PUMP SEAL COOLING HEAT EXCHANGERS WERE NOT TARGETED FOR PROMPT CORRECTIVE ACTION APPLYING THE GUIDANCE FROM EN DES-EP 1.48.
(8401 3)

FAILURE TO CONTROL ACCESS TO A CONTROLLED ACCESS AREA.

(8429 4)

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:

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

OTHER ITEMS

SHUTDOWN 9/6/83 TO PERFORM IGSCC INSPECTION.

LAST IE SITE INSPECTION DATE: JULY 31, 1984 +

INSPECTION REPORT NO: 50-296/84-29 +

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.			

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1. Docket: 50-325 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: FRANCES HARRISON (919) 457-9521
4. Licensed Thermal Power (MWt): 2436
5. Nameplate Rating (Gross MWe): 963 X 0.9 = 867
6. Design Electrical Rating (Net MWe): 821
7. Maximum Dependable Capacity (Gross MWe): 815
8. Maximum Dependable Capacity (Net MWe): 790
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

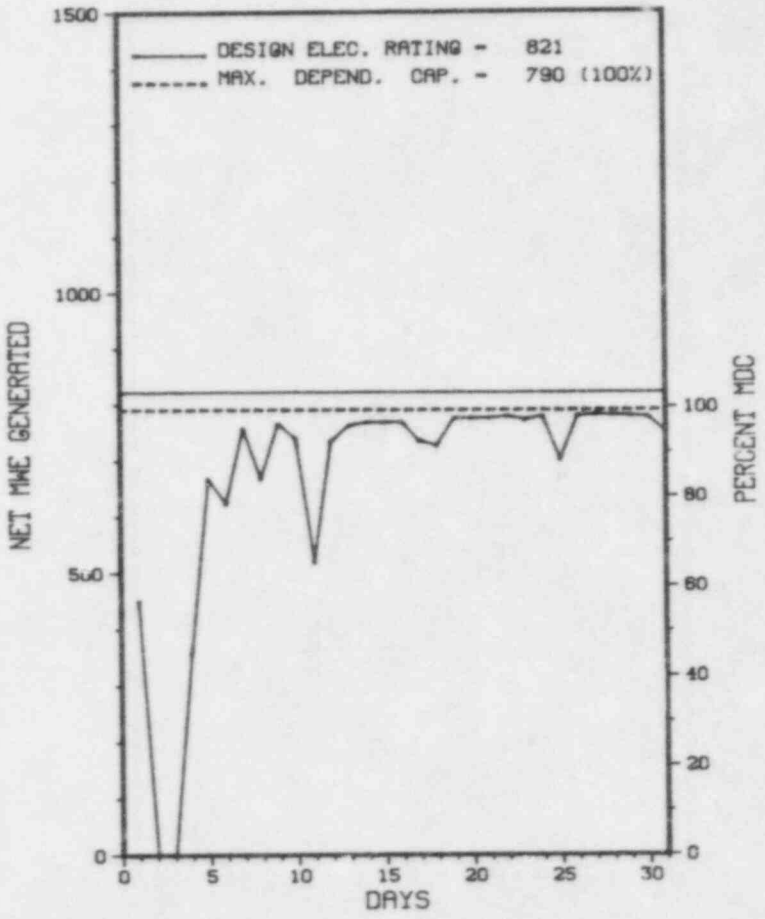
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	65,376.0
13. Hours Reactor Critical	704.1	5,233.4	41,631.4
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	687.1	5,100.8	39,189.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,554,862	11,870,537	80,297,823
18. Gross Elec Ener (MWH)	514,820	3,950,886	26,497,934
19. Net Elec Ener (MWH)	499,334	3,836,161	25,449,992
20. Unit Service Factor	92.4	87.1	59.9
21. Unit Avail Factor	92.4	87.1	59.9
22. Unit Cap Factor (MDC Net)	85.0	82.9	49.3
23. Unit Cap Factor (DER Net)	81.7	79.8	47.4
24. Unit Forced Outage Rate	7.6	10.2	19.6
25. Forced Outage Hours	56.9	579.0	9,498.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
LOCAL LEAK RATE TESTING: 10/31/84 - SIX WEEKS
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

BRUNSWICK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-057	08/01/84	F	56.9	H	3				REACTOR SCRAM; AUXILIARY OPERATORS USING WALKIE-TALKIES IN REACTOR BLDG. 20 FT. ELEVATION AND -17 FT. ELEVATION IN CS ROOM. CORRECTIVE ACTION: SECURE USE OF RADIOS IN OPERATING UNITS WITH EXCEPTION OF SECURITY.
84-065	08/17/84	S	0.0	B	5				REDUCED POWER FOR ROD IMPROVEMENT.
84-066	08/25/84	S	0.0	B	5				ROD IMPROVEMENT PT-14.1 AND WEEKLY VALVE TESTING AND DEBRIS FILTER BACKWASH.

SUMMARY

BRUNSWICK 1 OPERATED ROUTINELY DURING AUGUST.

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 AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 18, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 15 - AUGUST 15 (84-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 75.5 INSPECTOR-HOURS ON THE SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, PLANT MODIFICATIONS, CALIBRATION AND IEB CLOSEOUTS. OF THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

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

INSPECTION SUMMARY

INSPECTION JULY 30 - AUGUST 3 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A FOR UNITS ONE AND TWO REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING ADMINISTRATIVE PROCEDURES. CONTRARY TO THE ABOVE, THE ADMINISTRATIVE PROCEDURE COVERING IMPLEMENTATION OF TECHNICAL SPECIFICATION CHANGES, AI 9.1, WAS NOT ADEQUATELY IMPLEMENTED IN THAT "PROCEDURE IDENTIFICATION CHANGE FORMS" WERE NOT ROUTED TO ALL RESPONSIBLE GROUPS. THIS LED TO FOUR NEW SURVEILLANCE REQUIREMENTS ADDED TO THE TECHNICAL SPECIFICATIONS BY AMENDMENTS 68 AND 94 TO THE OPERATING LICENSE OF UNITS ONE AND TWO, TO EXCEED THE REQUIRED MONTHLY PERFORMANCE FREQUENCY. THE AMENDMENT WAS ISSUED MARCH 20, 1984, AND TESTING WAS NOT COMPLETE UNTIL MAY 25, 1984. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH PROCEDURES IN THAT: (A) SURVEILLANCES REQUIRED BY SECTION 7.1 OF QAP-302 "SURVEILLANCE OF TECHNICAL SPECIFICATIONS" WERE NOT ACCOMPLISHED ON ALL TECHNICAL SPECIFICATION CHANGES AS DESCRIBED IN THE PROCEDURE. (B) ON MARCH 12, 1984, THE REQUIRED AUDIT OF SECTION 7.1 OF QAP-302 AS SPECIFIED ON THE PERFORMANCE EVALUATION UNIT CHECKLIST FOR AUDIT QAA-126-4 WAS NOT ACCOMPLISHED. TECHNICAL SPECIFICATION 6.8.1.A FOR UNITS ONE AND TWO REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING ADMINISTRATIVE PROCEDURES. CONTRARY TO THE ABOVE, THE ADMINISTRATIVE PROCEDURE COVERING IMPLEMENTATION OF TECHNICAL SPECIFICATION CHANGES, AI 9.1, WAS NOT ADEQUATELY IMPLEMENTED IN THAT "PROCEDURE IDENTIFICATION CHANGE FORMS" WERE NOT ROUTED TO ALL RESPONSIBLE GROUPS. THIS LED TO FOUR NEW SURVEILLANCE REQUIREMENTS ADDED TO THE TECHNICAL SPECIFICATIONS BY AMENDMENTS 68 AND 94 TO THE OPERATING LICENSE OF UNITS ONE AND TWO, TO EXCEED THE REQUIRED MONTHLY PERFORMANCE FREQUENCY. THE AMENDMENT WAS ISSUED MARCH 20, 1984, AND TESTING WAS NOT COMPLETE UNTIL MAY 25, 1984. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH PROCEDURES IN THAT: (A) SURVEILLANCES REQUIRED BY SECTION 7.1 OF QAP-302 "SURVEILLANCE OF TECHNICAL SPECIFICATIONS" WERE NOT ACCOMPLISHED ON ALL TECHNICAL SPECIFICATION CHANGES AS DESCRIBED IN THE PROCEDURE. (B) ON MARCH 12, 1984, THE REQUIRED AUDIT OF SECTION 7.1 OF QAP-302 AS SPECIFIED ON THE PERFORMANCE EVALUATION UNIT CHECKLIST FOR AUDIT QAA-126-4 WAS NOT ACCOMPLISHED.
(8413 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: JULY 30 - AUGUST 3, 1984 +

INSPECTION REPORT NO: 50-325/84-23 +

REPORTS FROM LICENSEE

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

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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	77,400.0
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)	-6,131	1,048,529	26,076,147
20. Unit Service Factor	.0	26.8	56.0
21. Unit Avail Factor	.0	26.8	56.0
22. Unit Cap Factor (MDC Net)	.0	22.7	42.6
23. Unit Cap Factor (DER Net)	.0	21.8	41.0
24. Unit Forced Outage Rate	.0	2.2	17.5
25. Forced Outage Hours	.0	35.5	9,638.9

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

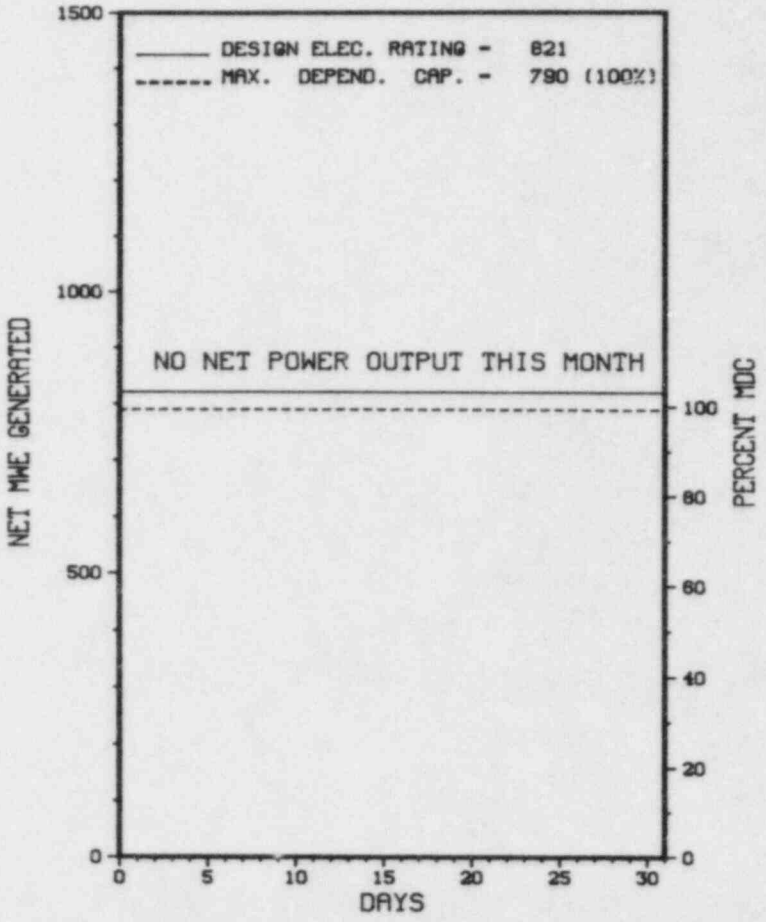
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

BRUNSWICK 2

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

SUMMARY

BRUNSWICK 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 20, 1975

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

DATE COMMERCIAL OPERATE....NOVEMBER 3, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 15 - AUGUST 15 (84-20): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 75.5 INSPECTOR-HOURS ON THE SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, PLANT MODIFICATIONS, CALIBRATION AND IEB CLOSEOUTS. OF THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

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

INSPECTION SUMMARY

INSPECTION JULY 30 - AUGUST 3 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREA OF PLANT CHEMISTRY. 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:

REFUEL AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 30 - AUGUST 3, 1984 +

INSPECTION REPORT NO: 50-324/84-23 +

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: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: EVELYN BEWLEY (301) 787-5365
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1020 X 0.9 = 918
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	81,684.0
13. Hours Reactor Critical	703.5	5,052.4	65,019.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,887.9
15. Hrs Generator On-Line	672.4	4,989.5	63,735.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,770,910	13,242,324	157,384,619
18. Gross Elec Ener (MWH)	584,585	4,467,181	51,894,666
19. Net Elec Ener (MWH)	557,184	4,272,263	49,507,229
20. Unit Service Factor	90.4	85.2	78.0
21. Unit Avail Factor	90.4	85.2	78.0
22. Unit Cap Factor (MDC Net)	90.8	88.4	74.3*
23. Unit Cap Factor (DER Net)	88.6	86.4	71.7
24. Unit Forced Outage Rate	9.6	14.8	8.1
25. Forced Outage Hours	71.6	865.5	5,528.3

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

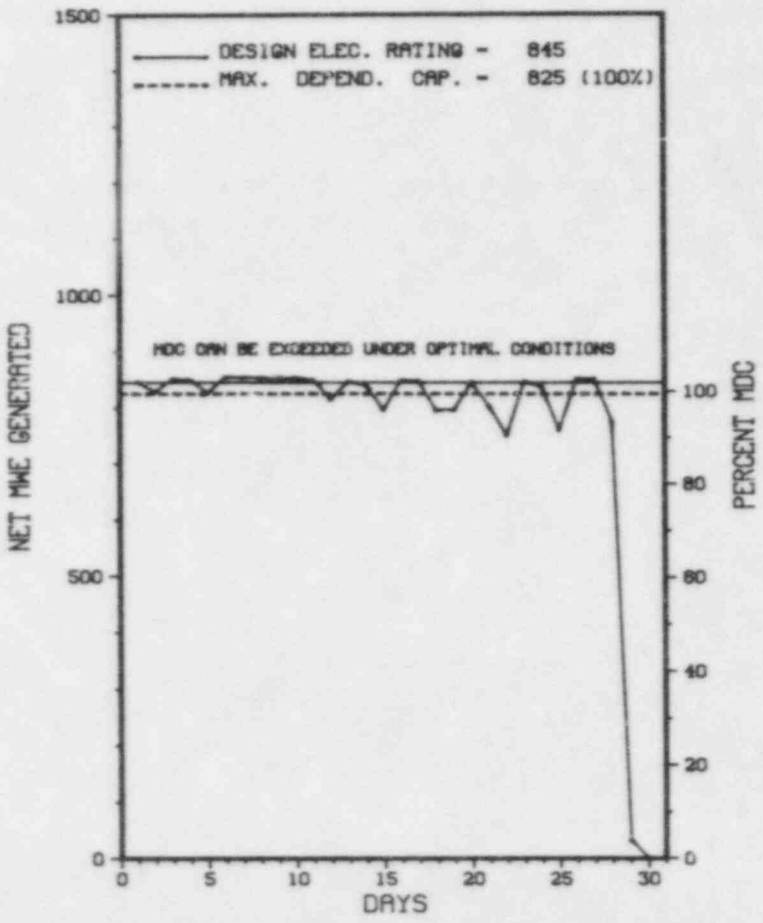
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-06	08/29/84	F	71.6	A	1		XX	ZZZZZZ	REDUCTION OF MAIN CIRCULATING WATER FLOW CAUSED BY IMPINGEMENT OF A LARGE NUMBER OF FISH ON THE TRAVELING SCREENS.

SUMMARY

CALVERT CLIFFS 1 SHUTDOWN ON AUGUST 29TH FOR MAINTENANCE REPAIRS.

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

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

FACILITY DATA

Report Period AUG 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

TECHNICAL SPECIFICATION 3.6.4.1. REQUIRES THE CONTAINMENT ISOLATION VALVES SPECIFIED IN TABLE 3.6-1 T BE OPERABLE WITH THE ISOLATION TIMES SHOWN DURING MODE 1 THROUGH 5 OPERATIONS. TABLE 3.6-1 STATES THAT ISOLATION TIMES ARE "NA" (NOT APPLICABLE) FOR 1-SV-6529 (POST ACCIDENT SAMPLING LIQUID RETURN VALVE TO REACTOR COOLANT DRAIN TANK), 1-SV-6540G AND 1-SV-6570G (HYDROGEN SAMPLE RETURN VALVES), THEREBY REQUIRING THAT THESE VALVES BE MAINTAINED CLOSED. TABLE 3.6-1 IS PERMISSIVE IN THAT ITALLOWS 1-SV-6529 TO BE OPENED ON AN INTERMITTENT BASIS UNDER ADMINISTRATIVE CONTROL. CONTRARY TO THE ABOVE, ON JANUARY 13, 1984, WITH THE UNIT INMODE 1 OPERATION, 1-SV-6529 WAS DISCOVERED TO BE WITHOUT ADMINSTRATIVE CONTROL, HAVING APPARENTLY BEEN OPEN SINCE CONTROL FUSES WERE INSTALLED ON JANUARY 3, 1984, AN ACT CONTRARY TO THE ADMINISTRATIVE CONTROLS DETAILED IN NRC AND LICENSEE SAFETY EVALUATIONS. CONTRARY TO THE ABOVE WITH THE UNIT IN MODE 1 OPERATION, VALVES 1-SV-6540G AND 1-SV-6507G WERE OPENED FOR A THREE MINUTE PERIOD (FROM 2:00 P.M. TO 2:03 P.M.).
(8401 4)

APPENDIX A, TECHNICAL SPECIFICATION SECTION 6.5.1.6 REQUIRES THAT THE POSRC SHALL BE RESPONSIBLE FOR REVIEW OF ALL PROCEDURES REQUIRED BY SPECIFICATION 6.8 AND CHANGES THERETO. SPECIFICATION 6.8 REQUIRES WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF

ENFORCEMENT SUMMARY

REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. REGULATORY GUIDE 1.33 REQUIRES CHEMICAL AND RADIOCHEMICAL CONTROL PROCEDURES, PROCEDURES FOR SURVEILLANCE TESTS LISTED IN THE TECHNICAL SPECIFICATIONS AND PROCEDURES USED TO DETERMINE RADIOACTIVITY IN LIQUID AND GASEOUS EFFLUENT INCLUDING SAMPLING AND CALIBRATION. CONTRARY TO THE ABOVE, (A) PROCEDURES COVERING REQUIRED SURVEILLANCE TEST FOR REACTOR COOLANT SYSTEM CHEMISTRY: RCP-1-905 WATER CHEMISTRY ANALYSIS DETERMINATION OF DISSOLVED OXYGEN; RCP-1-906 DETERMINATION OF CHLORIDE; RCP-1-907 DETERMINATION OF FLUORIDE; WERE NOT REVIEWED BY POSRC. (B) PROCEDURES COVERING DETERMINATION OF RADIOACTIVITY IN EFFLUENTS INCLUDING CALIBRATION: RCP-1-1001 RADIOCHEMISTRY ANALYSIS DETERMINATION OF GROSS BETA-GAMMA (ALPHA) DEGASSED ACTIVITY; RCP-1-1007 RADIOCHEMISTRY ANALYSIS DETERMINATION OF TRITIUM-ACTIVITY; RCP-1-1010 EVALUATION OF GAMMA SPECTRA; RCP-2-101 CALIBRATION AND OPERATIONAL CHEKC OF GE (LI) DETECTOR; RCP-2-302 LIQUID SCINTILLATION SYSTEM; RCP-2-303 WIDEBETA II OPERATION AND CALIBRATION; WERE NOT REVIEWED BY POSRC. OTHER PROCEDURES COVERING ACTIVITIES IN THESE AREAS WERE NOT REVIEWED BY POSRC.
(8409 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT ESTABLISHED TO ASSURE CONTROL OF PORT MODIFICATION PUNCH LISTS OR TO ASSURE DOCUMENTATION OF SATISFACIORY RESOLUTION OF PUNCH LIST ITEMS.
(8416 5)

FAILURE TO NOTIFY THE COMMISSION WITHIN 90 DAYS OF A CHANGE TO THE SECURITY AND TRAINING AND QUALIFICATION PLAN.
(8417 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

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.

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1. Docket: 50-318 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: EVELYN BEWLEY (310) 787-5365
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1012 X 0.9 = 911
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	65,039.0
13. Hours Reactor Critical	636.0	3,864.5	53,792.3
14. Rx Reserve Shtdwn Hrs	.0	.0	958.1
15. Hrs Generator On-Line	630.1	3,755.9	52,871.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,640,770	9,690,259	131,531,952
18. Gross Elec Ener (MWH)	539,510	3,180,698	43,249,984
19. Net Elec Ener (MWH)	514,528	3,034,364	41,238,126
20. Unit Service Factor	84.7	64.1	81.3
21. Unit Avail Factor	84.7	64.1	81.3
22. Unit Cap Factor (MDC Net)	83.8	62.8	77.3*
23. Unit Cap Factor (DER Net)	81.8	61.3	75.0
24. Unit Forced Outage Rate	15.3	9.0	6.1
25. Forced Outage Hours	113.9	370.0	3,415.2

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

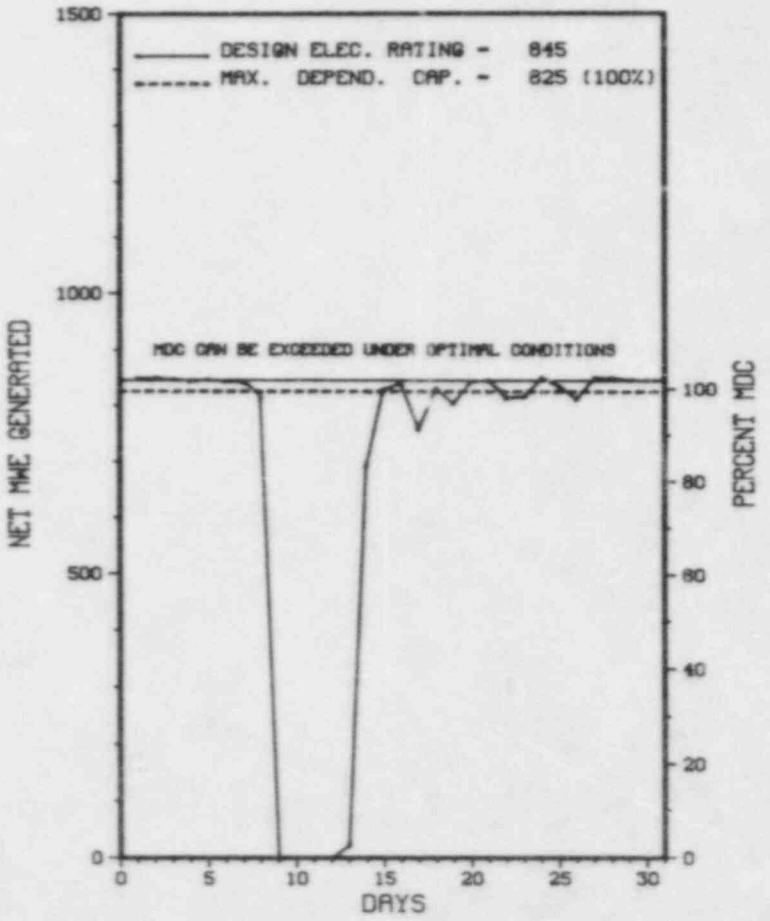
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	08/09/84	F	113.9	A	1		CB	PUMPXX	LEAK IN 22B REACTOR COOLANT PUMP CONTROL BLEED OFF LINE WELD.

SUMMARY

CALVERT CLIFFS 2 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING AUGUST.

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 AUG 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

APPENDIX A, TECHNICAL SPECIFICATION SECTION 6.5.1.6 REQUIRES THAT THE POSRC SHALL BE RESPONSIBLE FOR REVIEW OF ALL PROCEDURES REQUIRED BY SPECIFICATION 6.8 AND CHANGES THERETO. SPECIFICATION 6.8 REQUIRES WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. REGULATORY GUIDE 1.33 REQUIRES CHEMICAL AND RADIOCHEMICAL CONTROL PROCEDURES, PROCEDURES FOR SURVEILLANCE TESTS LISTED IN THE TECHNICAL SPECIFICATIONS AND PROCEDURES USED TO DETERMINE RADIOACTIVITY IN LIQUID AND GASEOUS EFFLUENT INCLUDING SAMPLING AND CALIBRATION. CONTRARY TO THE ABOVE, (A) PROCEDURES COVERING REQUIRED SURVEILLANCE TEST FOR REACTOR COOLANT SYSTEM CHEMISTRY: RCP-1-905 WATER CHEMISTRY ANALYSIS DETERMINATION OF DISSOLVED OXYGEN; RCP-1-906 DETERMINATION OF CHLORIDE; RCP-1-907 DETERMINATION OF FLUORIDE; WERE NOT REVIEWED BY POSRC. (B) PROCEDURES COVERING DETERMINATION OF RADIOACTIVITY IN EFFLUENTS INCLUDING CALIBRATION: RCP-1-1001 RADIOCHEMISTRY ANALYSIS DETERMINATION OF GROSS BETA-GAMMA (ALPHA) DEGASSED ACTIVITY; RCP-1-1007 RADIOCHEMISTRY ANALYSIS DETERMINATION OF TRITIUM-ACTIVITY; RCP-1-1010 EVALUATION OF GAMMA SPECTRA; RCP-2-101 CALIBRATION AND OPERATIONAL CHEKC OF GE (LI) DETECTOR; RCP-2-302 LIQUID SCINTILLATION SYSTEM; RCP-2-303 WIDEBETA II OPERATION AND CALIBRATION; WERE NOT REVIEWED BY POSRC. OTHER PROCEDURES COVERING ACTIVITIES IN THESE AREAS WERE NOT REVIEWED BY POSRC.
(8409 4)

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

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, PROCEDURES WERE NOT ESTABLISHED TO ASSURE CONTROL OF PORT MODIFICATION PUNCH LISTS OR TO ASSURE DOCUMENTATION OF SATISFACTORY RESOLUTION OF PUNCH LIST ITEMS.
(8416 5)

FAILURE TO NOTIFY THE COMMISSION WITHIN 90 DAYS OF A CHANGE TO THE SECURITY AND TRAINING AND QUALIFICATION PLAN.
(8417 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.

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: 5.-315 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: W. T. GILLETT (616) 465-5901
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1030
7. Maximum Dependable Capacity (Gross MWe): 1056
8. Maximum Dependable Capacity (Net MWe): 1020
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

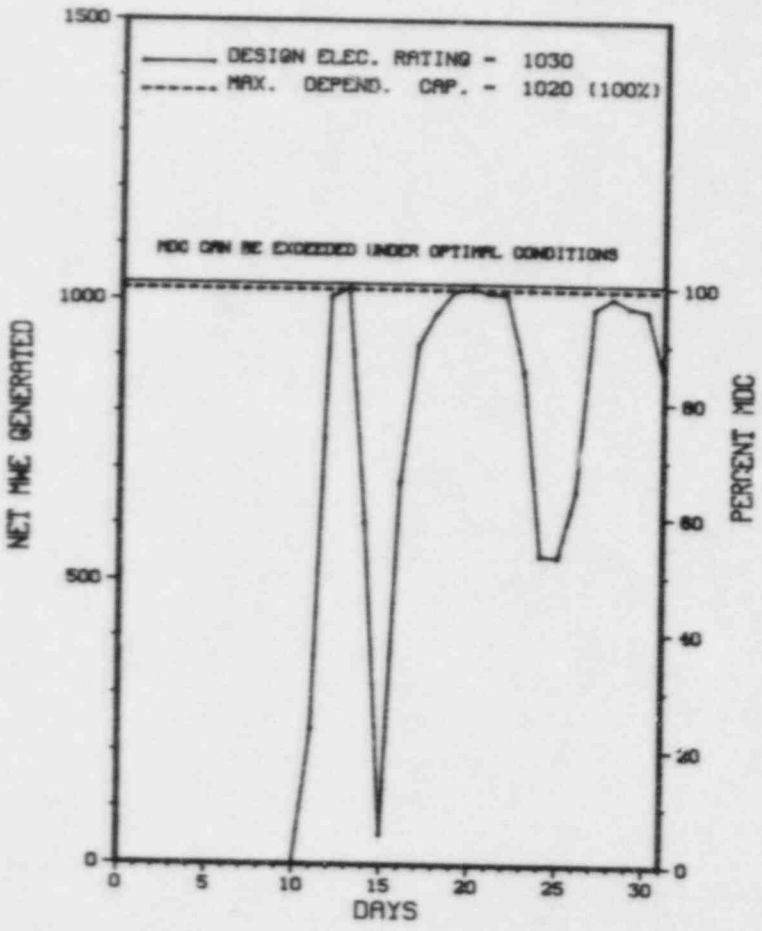
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	84,743.0
13. Hours Reactor Critical	492.3	5,156.9	62,775.1
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	466.2	5,088.8	61,432.5
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	1,349,657	15,524,904	179,606,518
18. Gross Elec Ener (MWH)	426,470	5,070,850	58,997,140
19. Net Elec Ener (MWH)	409,192	4,882,790	56,763,130
20. Unit Service Factor	62.7	86.9	74.3
21. Unit Avail Factor	62.7	86.9	74.3
22. Unit Cap Factor (MDC Net)	53.9	81.8	67.4
23. Unit Cap Factor (DER Net)	53.4	81.0	64.6
24. Unit Forced Outage Rate	5.5	7.6	7.8
25. Forced Outage Hours	27.2	418.6	4,499.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING & MAINTENANCE: 03/01/85 - 4 MOS.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
225	07/27/84	S	250.6	B	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE TO PERFORM REQUIRED ICE CONDENSER SURVEILLANCE AND TO REPAIR LEAKING PRESSURIZER SAFETY VALVES. THE PRESSURIZER SAFETY VALVES WERE REPLACED WITH REBUILT VALVES. THE UNIT WAS RETURNED TO SERVICE ON 840811.
226	08/14/84	F	27.2	A	3	84-018-00	EF	INSTRU	A REACTOR TRIP WITH TRAIN "A" SAFETY INJECTION OCCURRED FROM 100% POWER DUE TO A FAILURE OF VITAL A.C. INSTRUMENT BUS, CRID IV INVERTER. THE INVERTER FAILURE WAS DUE TO WATER VAPOR LADEN AIR BEING BLOWN INTO THE INVERTER CABINET BY A TEMPORARY VENTILATION BLOWER. THE WATER SOURCE WAS DUE TO A LEAK.
227	08/17/84	F	0.0	H	5		HH	TURBIN	REACTOR POWER WAS REDUCED FROM 100% TO 80% FOR APPROXIMATELY 18 HOURS TO REDUCE THE LOADING OF THE EAST MAIN FEED PUMP TURBINE DUE TO A HIGH VIBRATION PROBLEM ON THE TURBINE INBOARD BEAPING.
228	08/23/84	F	0.0	B	5		HH	HTEXCH	REACTOR POWER WAS REDUCED FROM 100% TO 58 TO FIRST REMOVE THE WEST MAIN FEED PUMP TURBINE TO REPAIR CONDENSER TUBE LEAK. ONE TUBE WAS PLUGGED.
229	08/31/84	F	0.0	H	5		HH	TURBIN	REACTOR POWER WAS REDUCED TO 57% TO REMOVE THE EAST MAIN FEED PUMP TURBINE FROM SERVICE TO MAKE ALIGNMENT CHECKS AND REPLACE THE TURBINE INBOARD BEARING WITH A NEW DESIGN (ELLIPTICAL) BEARING.

****
* SUMMARY *
****

COOK 1 OPERATED WITH 2 OUTAGES AND 3 REDUCTIONS DURING AUGUST.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....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 JUNE 4, THROUGH JUNE 8, (84-11): SPECIAL UNANNOUNCED INSPECTION BY A TEAM OF SENIOR RESIDENT INSPECTORS OF PROBLEM ALARMS; SYSTEM WALKDOWN AND PRINT VERIFICATION; SURVEILLANCE; MAINTENANCE; INSERVICE TESTING; WORK CONTROLS, INDEPENDENT VERIFICATION; OPERATIONS REVIEW; CALIBRATION; AND MISCELLANEOUS ISSUES. THE INSPECTION INVOLVED A TOTAL OF 142 INSPECTOR-HOURS BY FOUR NRC INSPECTORS INCLUDING 13 HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 23-27, (84-14): ROUTINE ANNOUNCED INSPECTION OF LICENSEE EVENT REPORTS; STARTUP TEST RESULTS PACKAGES; UNIT 2 CYCLE 4 CORE POWER DISTRIBUTION LIMITS; AND THE PLANT NUCLEAR SAFETY REVIEW COMMITTEE'S REVIEW OF THE UNIT 2, CYCLE 5 CORE RELOAD ANALYSIS. THE INSPECTION INVOLVED A TOTAL OF 49 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 11 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:

UNIT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1-28, 1984

INSPECTION REPORT NO: 84-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-07	05/28/84	08/10/84	DISCOVERY OF ERROR IN DETECTOR CODE.
84-13	07/06/84	07/31/84	FAILURE TO MAINTAIN FIRE WATCH.
84-14	07/16/84	08/15/84	BOTH SAFETY INJECTION PUMPS INOP.
84-15	07/28/84	08/24/84	FAILURE TO COMPLETE DAILY SURVEY OF SPENT FUEL STORAGE AREA.

1. Docket: 50-316 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: W. T. GILLETT (616) 465-5901
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1100
8. Maximum Dependable Capacity (Net MWe): 1060
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	58,439.0
13. Hours Reactor Critical	697.9	2,881.6	40,666.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	693.2	2,805.7	39,605.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,341,526	9,163,987	127,616,955
18. Gross Elec Ener (MWH)	748,680	2,988,240	41,214,670
19. Net Elec Ener (MWH)	722,391	2,884,206	39,737,559
20. Unit Service Factor	93.2	47.9	70.6
21. Unit Avail Factor	93.2	47.9	70.6
22. Unit Cap Factor (MDC Net)	91.6	46.5	67.4
23. Unit Cap Factor (DER Net)	88.3	44.8	66.1
24. Unit Forced Outage Rate	6.8	2.9	13.2
25. Forced Outage Hours	50.8	82.9	5,933.8

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

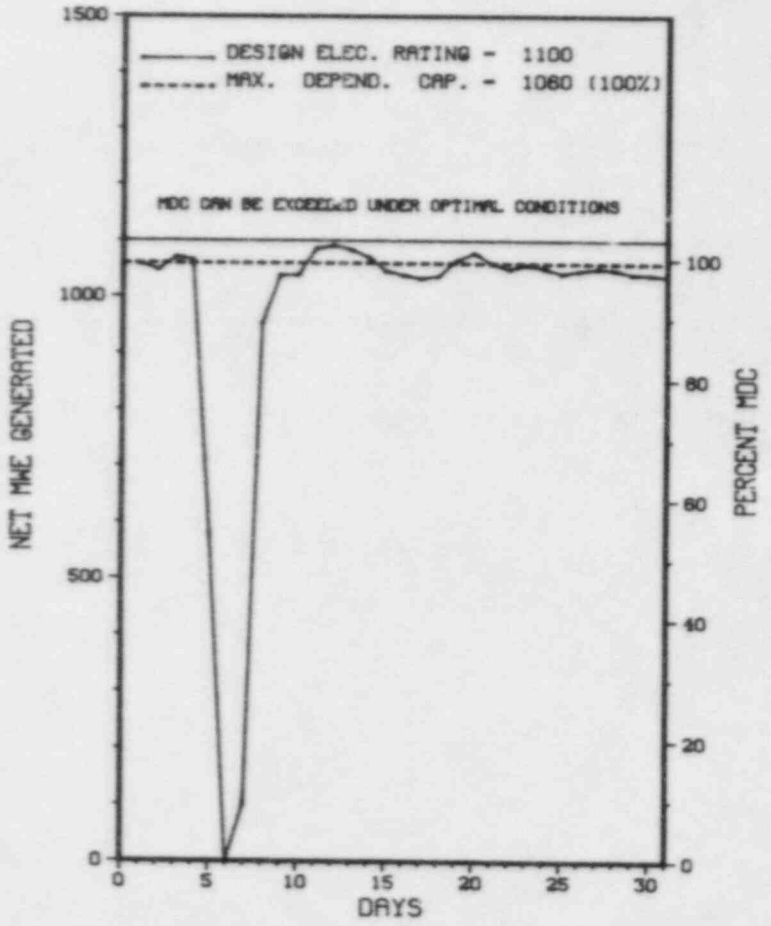
SURVEILLANCE & MAINTENANCE: 12/22/84 - 2 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

COOK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
148	08/05/84	F	50.8	A	3	84-020-00	EF	INSTRU	A REACTOR TRIP OCCURRED FROM 100% POWER DUE TO A FAILURE OF VITAL INSTRUMENT, CRID II, INVERTER. THE INVERTER FAILURE WAS DUE TO A BLOWN FUSE. THE BLOWN FUSE, THE SILICON CONTROLLED RECTIFIERS AND DIODES WERE REPLACED.

SUMMARY

COOK 2 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING AUGUST.

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	

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 10, 1978

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

DATE COMMERCIAL OPERATE....JULY 1, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

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

TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 4, THROUGH JUNE 8, (84-12): SPECIAL UNANNOUNCED INSPECTION BY A TEAM OF SENIOR RESIDENT INSPECTORS OF PROBLEM ALARMS; SYSTEM WALKDOWN AND PRINT VERIFICATION; SURVEILLANCE; MAINTENANCE; INSERVICE TESTING; WORK CONTROLS, INDEPENDENT VERIFICATION; OPERATIONS REVIEW; CALIBRATION; AND MISCELLANEOUS ISSUES. THE INSPECTION INVOLVED A TOTAL OF 142 INSPECTOR-HOURS BY FOUR NRC INSPECTORS INCLUDING 13 HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 23-27, (84-16): ROUTINE ANNOUNCED INSPECTION OF LICENSEE EVENT REPORTS; STARTUP TEST RESULTS PACKAGES; UNIT 2 CYCLE 4 CORE POWER DISTRIBUTION LIMITS; AND THE PLANT NUCLEAR SAFETY REVIEW COMMITTEE'S REVIEW OF THE UNIT 2, CYCLE 5 CORE RELOAD ANALYSIS. THE INSPECTION INVOLVED A TOTAL OF 49 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, INCLUDING 11 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 ROUTINELY.

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

INSPECTION REPORT NO: 84-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-18	07/09/84	08/09/84	CONTROL ROD MISALIGNMENT.
84-19	07/10/84	08/09/84	PROTECTIVE FUNCTION CHANNEL NOT TRIPPED.

1. Docket: 50-298 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: M. F. NOLET (402) 825-3811
4. Licensed Thermal Power (MWt): 2381
5. Nameplate Rating (Gross MWe): 983 X 0.85 = 836
6. Design Electrical Rating (Net MWe): 778
7. Maximum Dependable Capacity (Gross MWe): 787
8. Maximum Dependable Capacity (Net MWe): 764
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	89,160.0
13. Hours Reactor Critical	707.5	5,595.5	72,598.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	698.4	5,545.2	71,463.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,306,584	10,419,087	140,932,245
18. Gross Elec Ener (MWH)	426,418	3,454,086	44,860,441
19. Net Elec Ener (MWH)	409,237	3,312,235	43,228,894
20. Unit Service Factor	93.9	94.7	80.2
21. Unit Avail Factor	93.9	94.7	80.2
22. Unit Cap Factor (MDC Net)	72.0	74.0	63.5
23. Unit Cap Factor (DER Net)	70.7	72.7	62.3
24. Unit Forced Outage Rate	6.1	2.3	3.7
25. Forced Outage Hours	45.6	130.5	2,087.8

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

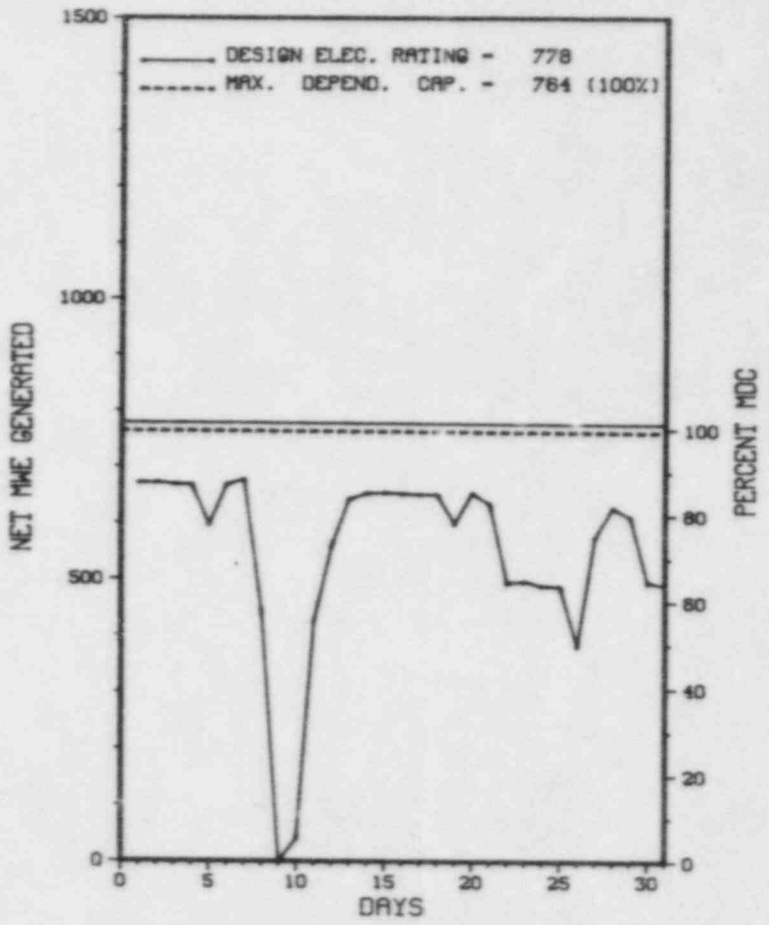
REFUELING & MAINTENANCE: 09/24/84 - 7 MOS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	08/08/84	F	45.6	H	3	84-010			HIGH TEMPERATURE INDICATION IN MAIN STEAM LINE BREAK DETECTION SYSTEM, CAUSING GROUP I ISOLATION AND SCRAM. CAUSE WAS HOT SUMMER DAY TIME TEMPERATURES AND POOR INSULATION AROUND THE MAIN STEAM LINES. ADDED INSULATION WAS PLACED AROUND MAIN STEAM LINES TO PREVENT RECURRENCE.

****
* SUMMARY *
****

COOPER STATION OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING AUGUST.

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 AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 1-JUNE 30, (84-11): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATION, LICENSEE EVENT FOLLOWUP, DECLARATION OF UNUSUAL EVENT, PREPARATION FOR REFUELING, OBSERVATION OF ANNUAL EMERGENCY PREPAREDNESS EXERCISE, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, AND BWR RECIRCULATION SYSTEM PIPE REPLACEMENT. WITHIN THE NINE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO HAVE PROCEDURES FOR MAINTENANCE; FAILURE TO PERFORM A SAFETY REVIEW OF A CHANGE MADE TO THE FACILITY).

INSPECTION CONDUCTED JUNE 4-8, 1984 (84-12): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S TRANSPORTATION AND SOLID RADIOACTIVE WASTE ACTIVITIES, OUTSTANDING OPEN ITEMS, AND NONLICENSED TRAINING. WITHIN THE THREE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (TRANSPORTATION OF LICENSED MATERIAL).

INSPECTION CONDUCTED JUNE 12-15, 1984 (84-): ROUTINE, UNANNOUNCED IN-SPECTION OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES INCLUDING: SECURITY ORGANIZATION, TESTING AND MAINTENANCE, PHYSICAL BARRIERS-PROTECTED AREA SECURITY SYSTEM POWER SUPPLY, COMPENSATORY MEASURES, ASSESSMENTS AIDS, ACCESS CONTROL PERSONNEL, ACCESS CONTROL-VEHICLES, DETECTION AIDS-PROTECTED AREA, ALARM STATIONS, AND COMMUNICATIONS. WITHIN THE 11 AREAS INSPECTED, ONE VIOLATION AND FOUR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, CRITERION V, STATES, IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, ...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES..." COOPER NUCLEAR STATION ADMINISTRATIVE PROCEDURE 1.14, "MATERIAL TAGGING," REVISION 7, DATED JUNE 19, 1982, STATES IN SECTIONS II. C.1. AND 2., "REJECTED TAGS (ATTACHMENT "D") WILL BE ATTACHED TO MATERIAL IDENTIFIED AS NEEDING TO BE DISPOSED OF BY DESTRUCTION, RETURN TO THE VENDOR, ETC. ...REJECTED TAGS WILL REMAIN ON AN ITEM UNTIL REMOVED FROM SITE, DESTROYED (IN PART OR WHOLE), OR UNTIL AUTHORIZED DISPOSITION ALTERS ITS STATUS." CONTRARY TO THE ABOVE, REJECTED TAGS WERE NOT BEING USED FOR MATERIAL IDENTIFIED AS REJECTED AND AWAITING DISPOSITION.
(8409 5)

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: JUNE 12-15, 1984

INSPECTION REPORT NO: 50-298/8413

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009/0	7/19/84	8/17/84	TECHNICAL SPECIFICATION/FLOW UNIT OPERATION CONFLICT.

1. Docket: 50-302 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: D. GRAHAM (904) 795-3802
4. Licensed Thermal Power (MWt): 2544
5. Nameplate Rating (Gross MWe): 989 X 0.9 = 890
6. Design Electrical Rating (Net MWe): 825
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 821
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	65,495.0
13. Hours Reactor Critical	744.0	5,540.0	43,110.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,275.5
15. Hrs Generator On-Line	744.0	5,498.3	42,117.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,772,846	13,209,697	95,174,032
18. Gross Elec Ener (MWH)	605,154	4,553,684	32,480,420
19. Net Elec Ener (MWH)	576,490	4,341,045	30,858,128
20. Unit Service Factor	100.0	93.9	64.3
21. Unit Avail Factor	100.0	93.9	64.3
22. Unit Cap Factor (MDC Net)	94.4	90.3	57.4
23. Unit Cap Factor (DER Net)	93.9	89.9	57.1
24. Unit Forced Outage Rate	.0	1.3	21.7
25. Forced Outage Hours	.0	73.9	11,689.2

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

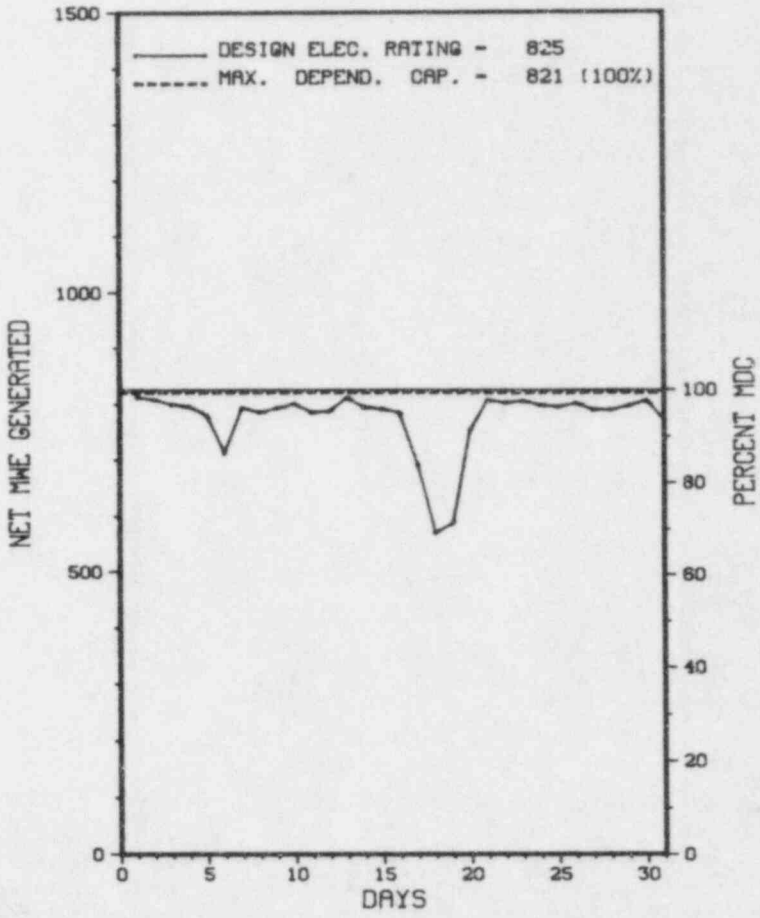
REFUELING OUTAGE MARCH 9, 1985 FOR 20 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-28	08/17/84	S	0.0	B	5		HC	HTEXCH	REDUCED POWER TO CLEAN CONDENSER WATERBOXES AND REPAIR LEAKING CONDENSER TUBE.

****
* SUMMARY *
****

CRYSTAL RIVER 3 OPERATED ROUTINELY 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)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....CITRUS

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NW OF
CRYSTAL RIVER, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 14, 1977

DATE ELEC ENER 1ST GENER...JANUARY 30, 1977

DATE COMMERCIAL OPERATE....MARCH 13, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....GULF OF MEXICO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION

CORPORATE ADDRESS.....3201 34TH STREET, SOUTH
ST PETERSBURG, FLORIDA 33733

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

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

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. STETKA

LICENSING PROJ MANAGER.....H. SILVER
DOCKET NUMBER.....50-302

LICENSE & DATE ISSUANCE....DPR-72, JANUARY 28, 1977

PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32639

INSPECTION STATUS

INSPECTION SUMMARY

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

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATIONS 6.8.1.A AND 4.3.3.6 NO PROCEDURE WAS WRITTEN AND IMPLEMENTED TO CALIBRATE THE EMERGENCY FEEDWATER ULTRASONIC FLOW INDICATORS NOR WERE THESE INDICATORS CALIBRATED. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION II, THE LICENSEE'S QUALITY PROGRAM, PARAGRAPH 1.7.1.2, AND ANSI STANDARD N18.7-1976, PLANT MAINTENANCE WAS NOT PROPERLY SCHEDULED OR PLANNED IN THAT AN INSTRUMENT WAS REMOVED FROM SERVICE IN A MANNER THAT COMPROMISED PLANT SAFETY.
(8419 4)

10 CFR 20, APPENDIX A, REQUIRES THAT SUPPLIED AIR HOODS USED FOR RESPIRATORY PROTECTION SHALL BE OPERATED IN A MANNER THAT ENSURES THAT PROPER AIR FLOW RATES ARE MAINTAINED, INCLUDING USE OF CALIBRATED AIRLINE PRESSURE GAUGES OR FLOW MEASURING DEVICES. CONTRARY TO THE ABOVE, ON JUNE 20, 1984, LICENSEE PERSONNEL WERE OBSERVED USING SUPPLIED-AIR HOODS FOR RESPIRATORY PROTECTION; THE

ENFORCEMENT SUMMARY

SUPPLIED AIR SYSTEM WAS NOT EQUIPPED WITH AN AIRLINE PRESSURE GAUGE OR A FLOW MEASURING DEVICE. (8420 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: JULY 30 - AUGUST 3, 1984 +

INSPECTION REPORT NO: 50-302/84-24 +

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

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

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: BILAL SARSOUR (419) 25 5000 X384

4. Licensed Thermal Power (MWt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 874

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	53,376.0
13. Hours Reactor Critical	744.0	5,276.4	32,778.8
14. Rx Reserve Shtdwn Hrs	.0	134.8	4,014.1
15. Hrs Generator On-Line	744.0	5,236.9	31,388.7
16. Unit Reserve Shtdwn Hrs	.0	.0	1,732.7
17. Gross Therm Ener (MWH)	1,862,784	13,426,681	74,470,495
18. Gross Elec Ener (MWH)	601,231	4,390,990	24,683,183
19. Net Elec Ener (MWH)	568,838	4,143,374	23,142,073
20. Unit Service Factor	100.0	89.4	58.8
21. Unit Avail Factor	100.0	89.4	62.1
22. Unit Cap Factor (MDC Net)	87.5	81.0	49.6
23. Unit Cap Factor (DER Net)	84.4	78.1	47.9
24. Unit Forced Outage Rate	.0	10.6	17.3
25. Forced Outage Hours	.0	618.1	7,202.1

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

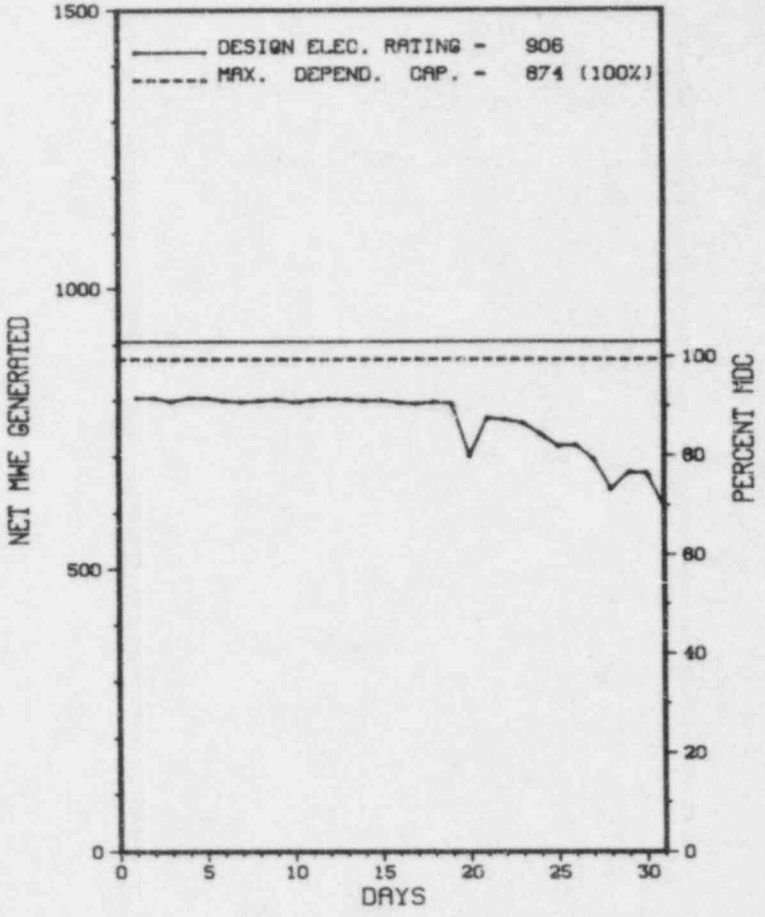
REFUELING OUTAGE: 9/14/84 THROUGH 12/26/84

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

DAVIS-BESSE 1 OPERATED ROUTINELY DURING 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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

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 JUNE 11- JULY 23, (84-12): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPEATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; PLANT TRIPS; ACTION ON REGIONAL REQUESTS AND NUREG 737 ITEM II.B.1. THE INSPECTION INVOLVED 236 INSPECTOR HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 95 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN SIX AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (FAILURE TO ESTABLISH ADEQUATE PROCEDURES FOR DETERMINING 10 CFR 21.21 REPORTING AND FAILURE TO FOLLOW MAINTENANCE PROCEDURES).

INSPECTION ON JUNE 25-29, (84-13): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - VEHICLES; INDEPENDENT INSPECTION EFFORT; AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 69 HOURS OF DIRECT INSPECTION EFFORT BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING ITEM: ACCESS CONTROL - PERSONNEL: A MEMBER OF THE SECURITY FORCE FAILED TO POSITIVELY IDENTIFY TWO VISITORS REQUESTING ACCESS TO THE PROTECTED AREA. THE INSPECTORS REVIEWED THE CORRECTIVE ACTIONS TAKEN BY THE LICENSEE ON PREVIOUS ITEMS OF NONCOMPLIANCE. ONE ITEM OF NONCOMPLIANCE DEALING WITH 10 CFR 73.71(C) REPORTING REQUIREMENTS WAS CLOSED. INADEQUACIES IN BOTH PROTECTED AND VITAL AREA DETECTION AIDS REMAIN OPEN. IMPROVEMENT TOWARDS CORRECTING THESE ITEMS OF NONCOMPLIANCE WAS NOTED. TWO UNRESOLVED ITEMS WERE NOTED. ONE ITEM PERTAINED TO COMPENSATORY MEASURES. THE OTHER ITEM PERTAINED TO PROTECTION REQUIREMENTS FOR CERTAIN EQUIPMENT. THESE ISSUES WILL BE SENT TO NRC:HQ FOR RESOLUTION.

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

INSPECTION SUMMARY

INSPECTION ON JULY 24, (84-16): ROUTINE, ANNOUNCED INSPECTION OF FOLLOWUP OF TITEFLEX METALLIC BELLOWS - IMPROPER ATTACHMENT DESIGN, NDE AND QUALIFICATION TESTING. THIS INSPECTION INVOLVED THREE INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TWO NRC INSPECTORS WERE NOT POSITIVELY IDENTIFIED WHILE REQUESTING ACCESS TO THE PROTECTED AREA. (8413 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: SEPTEMBER 10-14, 1984

INSPECTION REPORT NO: 84-21

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
84-18	07/09/84	08/08/84	CONTROL ROD MISALIGNMENT.
84-19	07/10/84	08/09/84	PROTECTIVE FUNCTION CHANNEL NOT TRIPPED.

1. Docket: 50-237 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: D. C. MAXWELL (815) 942-2920
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 772
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	125,375.0
13. Hours Reactor Critical	744.0	5,667.3	97,892.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,565.2	93,466.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,681,976	12,994,536	189,732,132
18. Gross Elec Ener (MWH)	512,582	4,176,556	60,679,723
19. Net Elec Ener (MWH)	502,443	3,978,284	57,375,728
20. Unit Service Factor	100.0	95.1	74.5
21. Unit Avail Factor	100.0	95.1	74.5
22. Unit Cap Factor (MDC Net)	87.5	88.0	59.3
23. Unit Cap Factor (DER Net)	85.1	85.6	57.6
24. Unit Forced Outage Rate	.0	4.9	11.6
25. Forced Outage Hours	.0	289.8	4,710.0

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

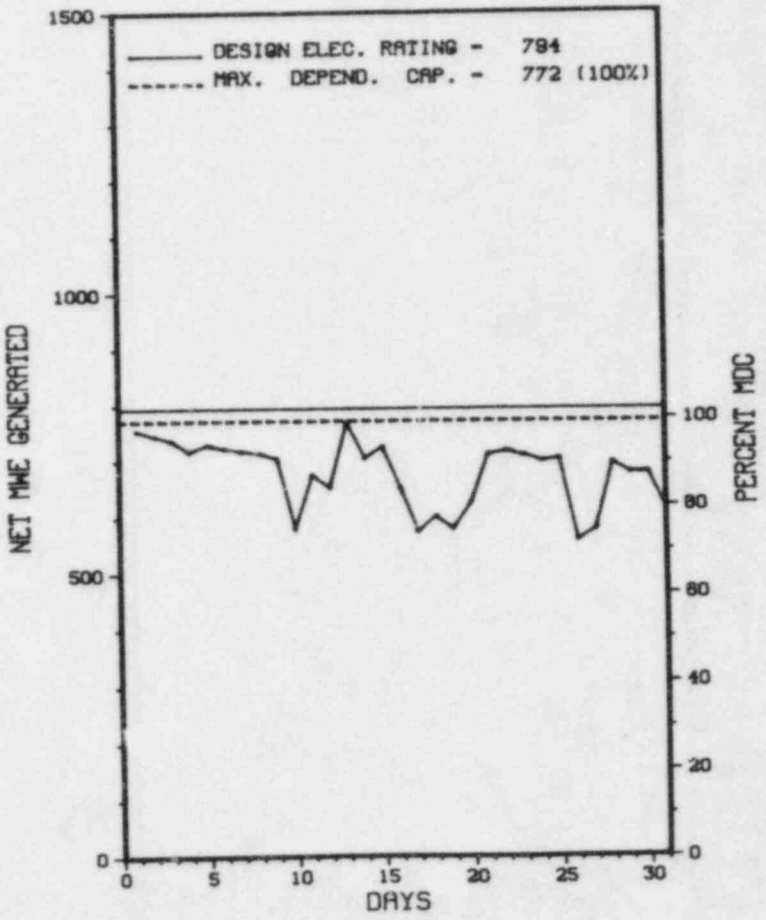
REFUELING & MAINTENANCE: 10/1/84 - 12 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



AUGUST 1984

Report Period AUG 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 ROUTINELY 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 AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 7, 1970

DATE ELEC ENER 1ST GENER...APRIL 13, 1970

DATE COMMERCIAL OPERATE....JUNE 9, 1970

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-237

LICENSE & DATE ISSUANCE....DPR-19, DECEMBER 22, 1969

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 18-JULY 26, (84-12): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, PART 21 REPORTS, OPERATIONAL SAFETY, FIRE BRIGADE DRILL, ONSITE EVENTS, SURVEILLANCES, MAINTENANCE, LICENSEE EVENT REPORTS. IE INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 195 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 29 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ELEVEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE CORRECTIVE ACTION).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," SECTION 16, STATES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT SIGNIFICANT CONDITIONS ADVERSE TO QUALITY ARE IDENTIFIED AND CORRECTED IN SUCH A WAY AS TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, INADEQUATE CORRECTIVE ACTIONS WERE TAKEN IN RESPONSE TO A LICENSEE IDENTIFIED TECHNICAL SPECIFICATION VIOLATION CONCERNING THE FINDING OF THE UNIT 2 REACTOR BUILDING WEST CORNER ROOM SUBMARINE DOOR OPEN ON DECEMBER 10, 1983. THIS RESULTED IN A SIMILAR INCIDENT OCCURRING ON FEBRUARY 8, 1984 WHERE THE SUBMARINE DOOR FOR THE EAST CORNER ROOM WAS FOUND TO BE OPEN. (8412 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY. PLANNED REFUELING OUTAGE TO BEGIN ON 10/1/84

LAST IE SITE INSPECTION DATE: SEPTEMBER 7, 1984

INSPECTION REPORT NO: 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
84-12	07/09/84	07/17/84	REACTOR SCRAM.
84-13	07/22/84	08/15/84	REACTOR SCRAM.
84-14	01/09/84	08/02/84	HPCI TURBINE TRIP LOW REACTOR PRESSURE SURV. PERFORMED LATE.
84-15	06/27/84	08/02/84	SURV. INTERVAL EXCEEDED FOR PUMPING D/W EQUIPMENT DRAIN.

1. Docket: 50-249 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: D. C. MAXWELL (815) 942-2920
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 773
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	114,960.0
13. Hours Reactor Critical	713.0	1,293.2	84,128.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	687.6	873.8	80,736.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,469,741	1,718,334	161,681,338
18. Gross Elec Ener (MWH)	444,512	519,053	52,471,962
19. Net Elec Ener (MWH)	437,647	472,206	49,702,789
20. Unit Service Factor	92.4	14.9	70.2
21. Unit Avail Factor	92.4	14.9	70.2
22. Unit Cap Factor (MDC Net)	76.1	10.4	55.9
23. Unit Cap Factor (DER Net)	74.1	10.2	54.5
24. Unit Forced Outage Rate	7.5	6.0	12.5
25. Forced Outage Hours	55.8	55.8	6,471.0

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

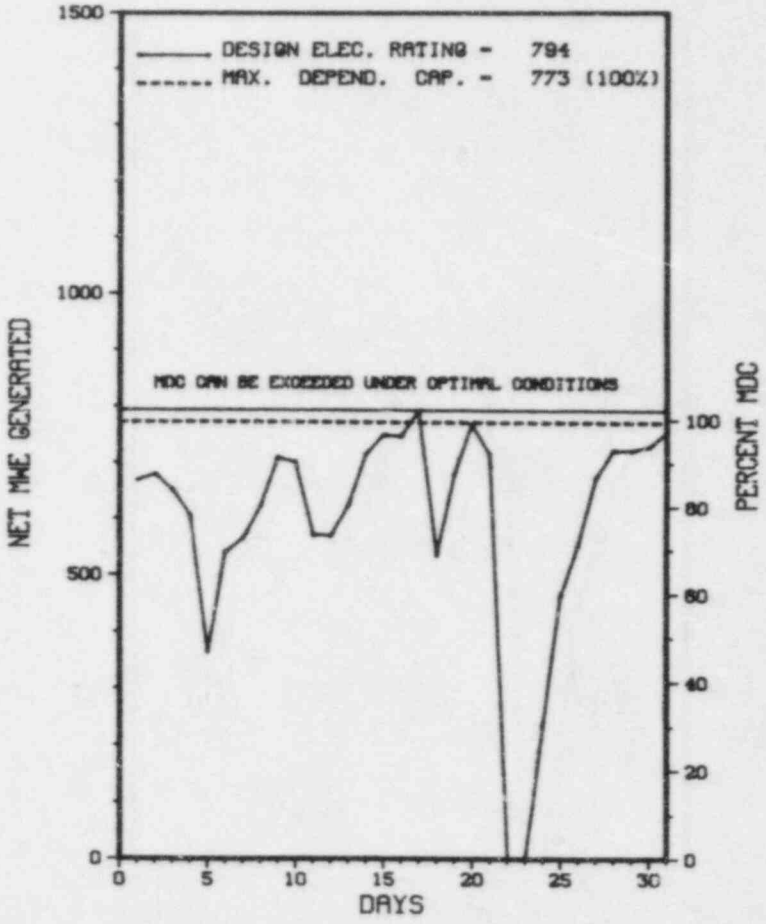
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

DRESDEN 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	08/05/84	S	0.6	B	3				PLANNED TURBINE OVERSPEED TEST.
2	08/21/84	F	55.8	A	3	84-10/036-0			3A FEEDWATER REGULATOR VALVE FAILURE.

SUMMARY

DRESDEN 3 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING AUGUST.

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	

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

FACILITY DATA

Report Period AUG 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

INSPECTION ON JUNE 18-JULY 26, (84-11): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF ACTION ON PREVIOUS INSPECTION FINDINGS, PART 21 REPORTS, OPERATIONAL SAFETY, FIRE BRIGADE DRILL, ONSITE EVENTS, SURVEILLANCES, MAINTENANCE, LICENSEE EVENT REPORTS, IE INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 195 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 29 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ELEVEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE CORRECTIVE ACTION).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 7, 1984

INSPECTION REPORT NO: 84-16

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	07/16/84	08/13/84	EAST LPCI SUBMARINE DOOR FOUND OPEN.
84-06	07/18/84	08/03/84	REACTOR NOT VENTED WITH VESSE' TEMP LESS THAN PRESS. TEMP.
84-07	07/22/84	08/17/84	REACTOR SCRAM.
84-08	08/04/84	08/26/84	DRYWELL TO TORUS PRESSURE LESS THAN 1 PSID.

1. Docket: 50-331 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: KEN S. PUTNAM (319) 851-7456
4. Licensed Thermal Power (MWt): 1658
5. Nameplate Rating (Gross MWe): 663 X 0.9 = 597
6. Design Electrical Rating (Net MWe): 538
7. Maximum Dependable Capacity (Gross MWe): 545
8. Maximum Dependable Capacity (Net MWe): 515
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

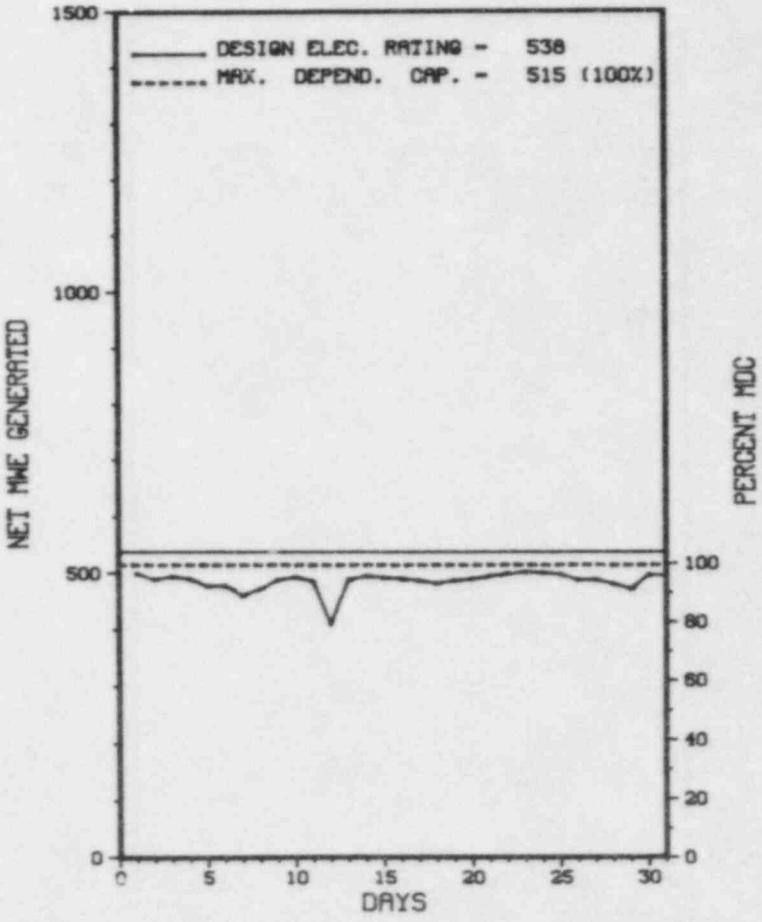
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	83,999.0
13. Hours Reactor Critical	744.0	4,467.4	60,402.4
14. Rx Reserve Shtdwn Hrs	.0	130.3	130.3
15. Hrs Generator On-Line	744.0	4,365.6	58,808.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,161,298	6,461,514	74,210,076
18. Gross Elec Ener (MWH)	384,086	2,169,351	24,863,408
19. Net Elec Ener (MWH)	361,015	2,042,423	23,278,793
20. Unit Service Factor	100.0	74.6	70.0
21. Unit Avail Factor	100.0	74.6	70.0
22. Unit Cap Factor (MDC Net)	94.2	67.7	53.8
23. Unit Cap Factor (DER Net)	90.2	64.8	51.5
24. Unit Forced Outage Rate	.0	15.3	17.1
25. Forced Outage Hours	.0	789.9	12,124.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE OUTAGE 09/28 - 10/21/84.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

DUANE ARNOLD OPERATED AT NEAR FULL POWER DURING AUGUST.

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

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

FACILITY DATA

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 JUNE 1 - JULY 25, (84-08): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; TMI ITEMS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 147 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JULY 31-AUGUST 2, (84-10): ROUTINE ANNOUNCED INSPECTION OF THE DUANE ARNOLD ENERGY CENTER EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE, AND LICENSEE ACTION ON A PREVIOUSLY IDENTIFIED ITEM RELATED TO EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 125 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. 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:

PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 4-6, 1984

INSPECTION REPORT NO: 84-14

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-24	06/30/84	07/30/84	UNPLANNED RWCU ISOLATION.
84-26	07/12/84	08/10/84	BOTH STANDBY FILTER UNITS INOPERABLE.
84-27	07/12/84	08/10/84	REACTOR SCRAM FROM JARRED INSTRUMENT RACK.
84-28	07/14/84	08/13/84	DEGRADED OFFSITE VOLTAGE
84-29	07/18/84	08/17/84	STANDBY LIQUID CONTROL SYSTEM MISALIGNMENT.

1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 842

8. Maximum Dependable Capacity (Net MWe): 797

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	59,183.0
13. Hours Reactor Critical	744.0	4,076.8	39,200.0
14. Rx Reserve Shtdwn Hrs	.0	.0	3,650.7
15. Hrs Generator On-Line	744.0	3,992.0	38,095.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,973,088	10,147,468	96,248,992
18. Gross Elec Ener (MWH)	636,288	3,264,504	30,506,368
19. Net Elec Ener (MWH)	602,976	3,069,822	28,770,884
20. Unit Service Factor	100.0	68.2	64.4
21. Unit Avail Factor	100.0	68.2	64.4
22. Unit Cap Factor (MDC Net)	101.7	65.4	61.0*
23. Unit Cap Factor (DER Net)	97.8	63.2	58.6
24. Unit Forced Outage Rate	.0	2.0	14.1
25. Forced Outage Hours	.0	79.5	6,246.0

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

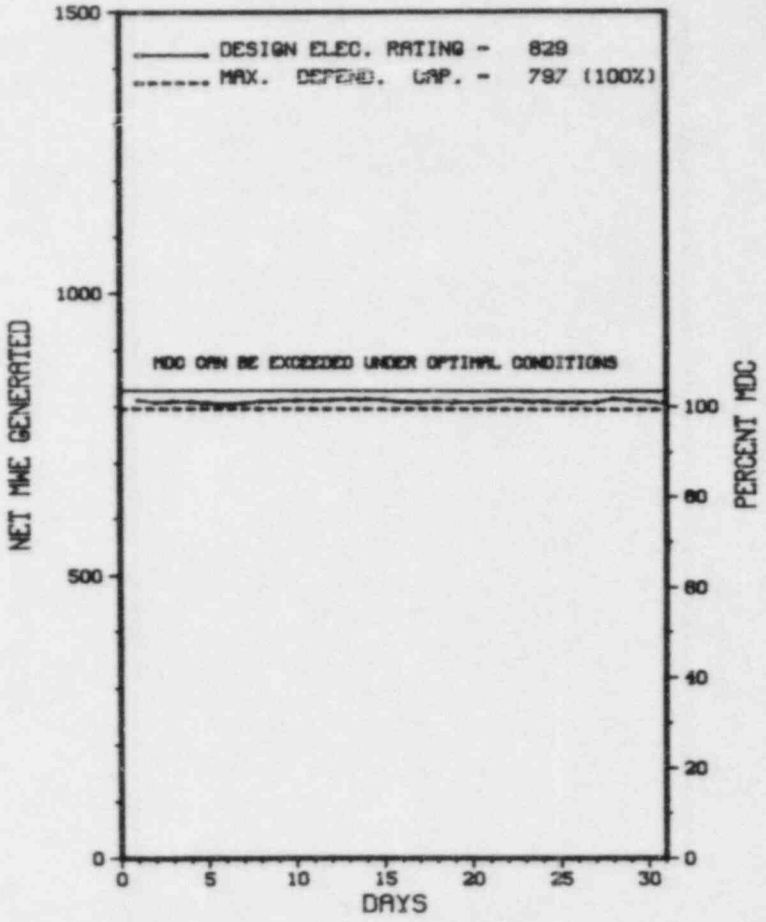
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

FARLEY 1

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

SUMMARY

FARLEY 1 OPERATED AT FULL POWER DURING THE AUGUST REPORTING 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 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 9, 1977

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1977

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION AUGUST 7-10 (84-21): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE TESTING (IST) OF PUMPS AND VALVES; INSERVICE INSPECTION (ISI); IE BULLETINS; AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED AND IMPLEMENTED FOR SURVEILLANCE, ADMINISTRATIVE, AND CALIBRATION PROCEDURES. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ADEQUATELY ESTABLISHED AND IMPLEMENT SURVEILLANCE, ADMINISTRATIVE AND CALIBRATION PROCEDURES AS FOLLOWS: (A) ALTHOUGH FNP-0-AP-14 REQUIRES THE REMOVAL OF HOLD TAGS AND REPOSITIONING OF CONTROL DEVICES IN A SEQUENCE SPECIFIED BY A TAGGING OPERATIONS ORDER, A SYSTEM OPERATOR POSITIONED A VALVE OUT OF THE SPECIFIED SEQUENCE FOR TAGGING ORDER NUMBER 84-0461-2. (B) FNP-1-SOP-22.0 HAD AN INADEQUATE SYSTEM CHECKLIST IN THAT THE TURBINE DRIVE AUXILIARY FEEDWATER PUMP SPEED CONTROL WAS NOT INCLUDED. (C) INSTRUMENT MAINTENANCE PROCEDURES WERE INADEQUATE IN THAT INDEPENDENT VERIFICATION OF TRANSMITTER VALVE POSITION UPON RETURN TO SERVICE WAS NOT REQUIRED. (D) INSTRUMENT

ENFORCEMENT SUMMARY

MAINTENANCE PROCEDURES WERE INADEQUATE IN THAT VALVES MANIPULATED FOR TRANSMITTER CALIBRATIONS WERE NOT IDENTIFIED IN THE PROCEDURE.
(8417 4)

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. CONTRARY TO THE ABOVE, PROCEDURES FOR PERSONNEL RADIATION PROTECTION WERE NOT ADHERED TO AS FOLLOWS: (A) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-740, PARAGRAPH 8.8 REQUIRES THAT EVALUATIONS OF TLD AND POCKET ION CHAMBER DOSIMETERS BE PERFORMED FOR DISCREPANCIES GREATER THAN 30% AND 100 MILLIREM, NO SUCH EVALUATIONS HAD BEEN PERFORMED BY THE LICENSEE FOR IDENTIFIED TLD AND DOSIMETER DISCREPANCIES DURING THE PERIOD OCTOBER 1983 TO JUNE 1984; (B) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-112, SECTION 9.0 REQUIRES THAT MAINTENANCE FOR THE CONTAINMENT BREATHING AIR SYSTEM BE PERFORMED IN ACCORDANCE WITH THE VENDOR INSTALLATION AND OPERATING INSTRUCTION, THE LICENSEE HAD NOT PERFORMED ANNUAL FILTER REPLACEMENT ON THE CONTAINMENT BREATHING AIR SYSTEMS AS SPECIFIED BY THE VENDOR INSTRUCTION SINCE THE UNITS WERE FIRST OPERATED IN JUNE 1980 FOR UNIT 1 AND OCTOBER 1982 FOR UNIT 2; (C) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-28, PARAGRAPH 4.1 REQUIRES THAT ALL PERSONNEL FRISK AFTER EXITING A CONTAMINATION CONTROL ZONE, TWO LICENSEE EMPLOYEES WHO EXITED A CONTAMINATION CONTROL ZONE ON THE 155 FOOT ELEVATION OF THE UNIT 1 AUXILIARY BUILDING DID NOT PERFORM A WHOLE BODY FRISK.
(8418 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ R. P. MCDONALD PROMOTED TO SENIOR VICE PRESIDENT, 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: AUGUST 7-11, 1984 +

INSPECTION REPORT NO: 50-348/84-21 +

REPORTS FROM LICENSEE

FARLEY 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	07/16/84	08/15/84	CONTINUOUS FIRE WATCH NOT POSTED AS REQUIRED, A FIRE WATCH WAS POSTED IMMEDIATELY.

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1. Docket: 50-364 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. WOODARD (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 860
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 853
8. Maximum Dependable Capacity (Net MWe): 809
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	27,096.0
13. Hours Reactor Critical	739.2	5,803.2	24,340.0
14. Rx Reserve Shtdwn Hrs	.0	.0	138.4
15. Hrs Generator On-Line	739.0	5,754.7	24,053.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,951,599	15,078,128	61,988,820
18. Gross Elec Ener (MWH)	618,924	4,867,680	19,854,528
19. Net Elec Ener (MWH)	589,240	4,634,062	18,834,088
20. Unit Service Factor	99.3	98.3	88.8
21. Unit Avail Factor	99.3	98.3	88.8
22. Unit Cap Factor (MDC Net)	97.9	97.4	85.9
23. Unit Cap Factor (DER Net)	95.5	95.5	83.8
24. Unit Forced Outage Rate	.7	1.7	4.5
25. Forced Outage Hours	5.0	100.3	1,132.1

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

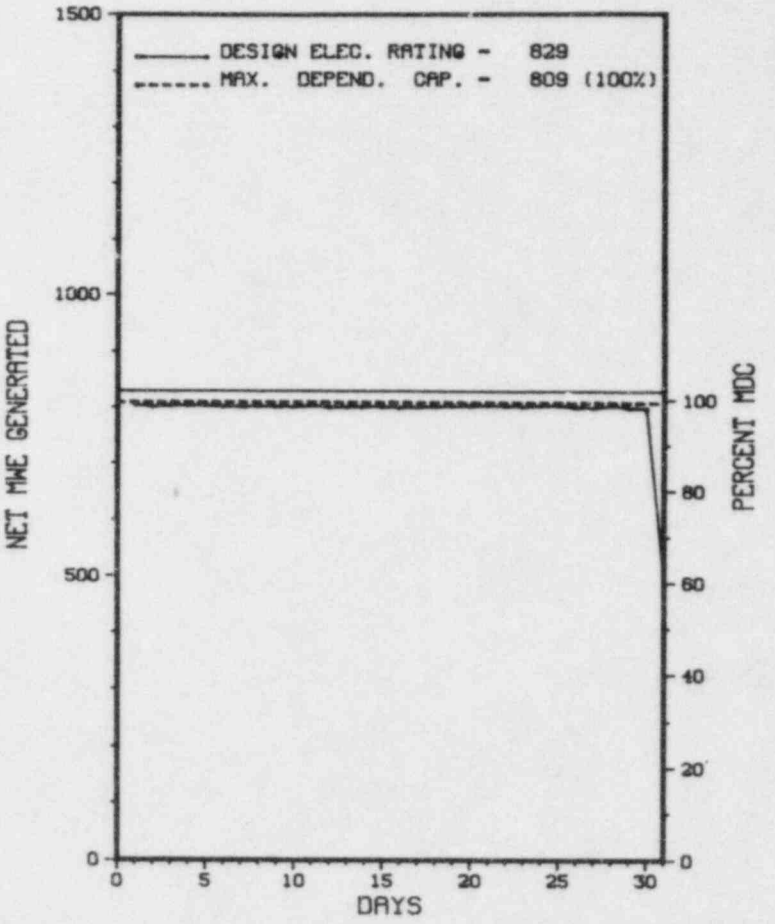
REFUELING/MAINT. OUTAGE, 1/4/85, APPROX. 6 WKS

27. If Currently Shutdown Estimated Startup Date: 09/14/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
006	08/31/84	F	5.0	H	1	84-008-00	AB	SG	UNIT SHUT DOWN DUE TO RE-ANALYSIS OF CYCLE II-III EDDY CURRENT TEST RESULTS WHICH SHOWED SIGNIFICANT TUBE WALL DEGRADATION IN TWO TUBES EXCEEDING THE TUBE PLUGGING LIMIT OF TECHNICAL SPECIFICATION 3/4.4.6.

****
* SUMMARY *
****

FARLEY 2 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS, SHUTTING DOWN ON THE 31ST FOR MAINTENANCE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 5, 1981

DATE ELEC ENER 1ST GENER...MAY 25, 1981

DATE COMMERCIAL OPERATE....JULY 30, 1981

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-364

LICENSE & DATE ISSUANCE....NPF-8, MARCH 31, 1981

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION AUGUST 7-10 (84-21): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE TESTING (IST) OF PUMPS AND VALVES; INSERVICE INSPECTION (ISI); IE BULLETINS; AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED AND IMPLEMENTED FOR SURVEILLANCE, ADMINISTRATIVE, AND CALIBRATION PROCEDURES. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ADEQUATELY ESTABLISHED AND IMPLEMENT SURVEILLANCE, ADMINISTRATIVE AND CALIBRATION PROCEDURES AS FOLLOWS: (A) ALTHOUGH FNP-0-AP-14 REQUIRES THE REMOVAL OF HOLD TAGS AND REPOSITIONING OF CONTROL DEVICES IN A SEQUENCE SPECIFIED BY A TAGGING OPERATIONS ORDER, A SYSTEM OPERATOR POSITIONED A VALVE OUT OF THE SPECIFIED SEQUENCE FOR TAGGING ORDER NUMBER 84-0461-2. (B) FNP-1-SOP-22.0 HAD AN INADEQUATE SYSTEM CHECKLIST IN THAT THE TURBINE DRIVE AUXILIARY FEEDWATER PUMP SPEED CONTROL WAS NOT INCLUDED. (C) INSTRUMENT MAINTENANCE PROCEDURES WERE INADEQUATE IN THAT INDEPENDENT VERIFICATION OF TRANSMITTER VALVE POSITION UPON RETURN TO SERVICE WAS NOT REQUIRED. (D) INSTRUMENT

ENFORCEMENT SUMMARY

MAINTENANCE PROCEDURES WERE INADEQUATE IN THAT VALVES MANIPULATED FOR TRANSMITTER CALIBRATIONS WERE NOT IDENTIFIED IN THE PROCEDURE.
(8417 4)

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. CONTRARY TO THE ABOVE, PROCEDURES FOR PERSONNEL RADIATION PROTECTION WERE NOT ADHERED TO AS FOLLOWS: (A) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-740, PARAGRAPH 8.8 REQUIRES THAT EVALUATIONS OF TLD AND POCKET ION CHAMBER DOSIMETERS BE PERFORMED FOR DISCREPANCIES GREATER THAN 30% AND 100 MILLIREM, NO SUCH EVALUATIONS HAD BEEN PERFORMED BY THE LICENSEE FOR IDENTIFIED TLD AND DOSIMETER DISCREPANCIES DURING THE PERIOD OCTOBER 1983 TO JUNE 1984; (B) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-112, SECTION 9.0 REQUIRES THAT MAINTENANCE FOR THE CONTAINMENT BREATHING AIR SYSTEM BE PERFORMED IN ACCORDANCE WITH THE VENDOR INSTALLATION AND OPERATING INSTRUCTION, THE LICENSEE HAD NOT PERFORMED ANNUAL FILTER REPLACEMENT ON THE CONTAINMENT BREATHING AIR SYSTEMS AS SPECIFIED BY THE VENDOR INSTRUCTION SINCE THE UNITS WERE FIRST OPERATED IN JUNE 1980 FOR UNIT 1 AND OCTOBER 1982 FOR UNIT 2; (C) ALTHOUGH LICENSEE PROCEDURE FNP-0-RCP-28, PARAGRAPH 4.1 REQUIRES THAT ALL PERSONNEL FRISK AFTER EXITING A CONTAMINATION CONTROL ZONE, TWO LICENSEE EMPLOYEES WHO EXITED A CONTAMINATION CONTROL ZONE ON THE 155 FOOT ELEVATION OF THE UNIT 1 AUXILIARY BUILDING DID NOT PERFORM A WHOLE BODY FRISK.
(8418 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ R. P. MCDONALD PROMOTED TO SENIOR VICE PRESIDENT, 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: AUGUST 7-10, 1984 +

INSPECTION REPORT NO: 50-364/84-21 +

REPORTS FROM LICENSEE

FARLEY 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	79,752.0
13. Hours Reactor Critical	637.4	5,364.0	57,892.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	615.4	5,234.8	56,434.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,354,488	12,013,608	119,750,194
18. Gross Elec Ener (MWH)	436,680	4,000,960	40,658,280
19. Net Elec Ener (MWH)	422,335	3,873,435	39,372,075
20. Unit Service Factor	82.7	89.4	70.8
21. Unit Avail Factor	82.7	89.4	70.8
22. Unit Cap Factor (MDC Net)	70.1	81.7	64.4*
23. Unit Cap Factor (DER Net)	69.1	80.6	60.1
24. Unit Forced Outage Rate	17.3	5.0	13.8
25. Forced Outage Hours	128.6	274.0	9,157.2

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

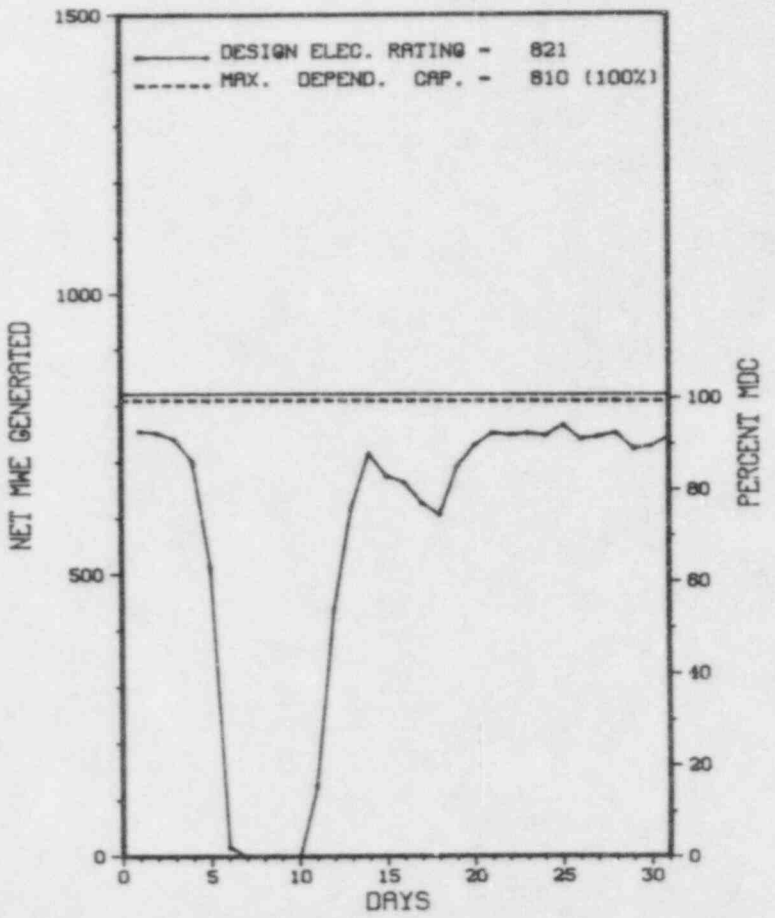
MAINTENANCE: 09/14/84 - 30 DAYS.

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* FITZPATRICK *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	08/05/84	F	128.6	A	2		AD	P	SHUTDOWN TO INVESTIGATE DRYWELL LEAKAGE < 5 GPM WHICH WAS CAUSED BY A RECIRC PUMP SEAL FAILURE. SEAL WAS REPLACED AND UNIT RETURNED TO SERVICE.

****
* SUMMARY *
****

THE FITZPATRICK PLANT OPERATED AT SLIGHTLY REDUCED POWER DURING THIS REPORTING PERIOD DUE TO HIGH LAKE TEMPERATURES CAUSING A LOW CONDENSER VACUUM. ON 840805 THE PLANT WAS TAKEN OFF LINE TO REPAIR A RECIRC PUMP SEAL AND RETURNED TO SERVICE ON 840811.

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)

****
* FITZPATRICK *
****

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...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

10 CFR 71.111 STATES, "THE LICENSEE SHALL PRESCRIBE ACTIVITIES AFFECTING QUALITY BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS." CONTRARY TO THE ABOVE, THE LICENSEE DID NOT HAVE A PROCEDURE PRESCRIBING THE QUALITY ASSURANCE ACTIVITIES OF WASTE CLASSIFICATION, WASTE CHARACTERIZATION AND LABELING DESCRIBED IN 10 CFR 61 WHICH WAS EFFECTIVE DECEMBER 27, 1983. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8409 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1500

5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 501

8. Maximum Dependable Capacity (Net MWe): 478

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

TURBINE BLADING REPAIR

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	95,856.0
13. Hours Reactor Critical	744.0	2,778.1	73,392.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	744.0	2,675.7	72,028.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,103,037	3,713,208	90,472,922
18. Gross Elec Ener (MWH)	365,278	1,196,320	29,825,744
19. Net Elec Ener (MWH)	347,887	1,135,411	28,215,271
20. Unit Service Factor	100.0	45.7	75.1
21. Unit Avail Factor	100.0	45.7	75.1
22. Unit Cap Factor (MDC Net)	97.8	43.3	64.2*
23. Unit Cap Factor (DER Net)	97.8	40.6	61.6
24. Unit Forced Outage Rate	.0	.6	3.5
25. Forced Outage Hours	.0	16.3	1,414.7

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

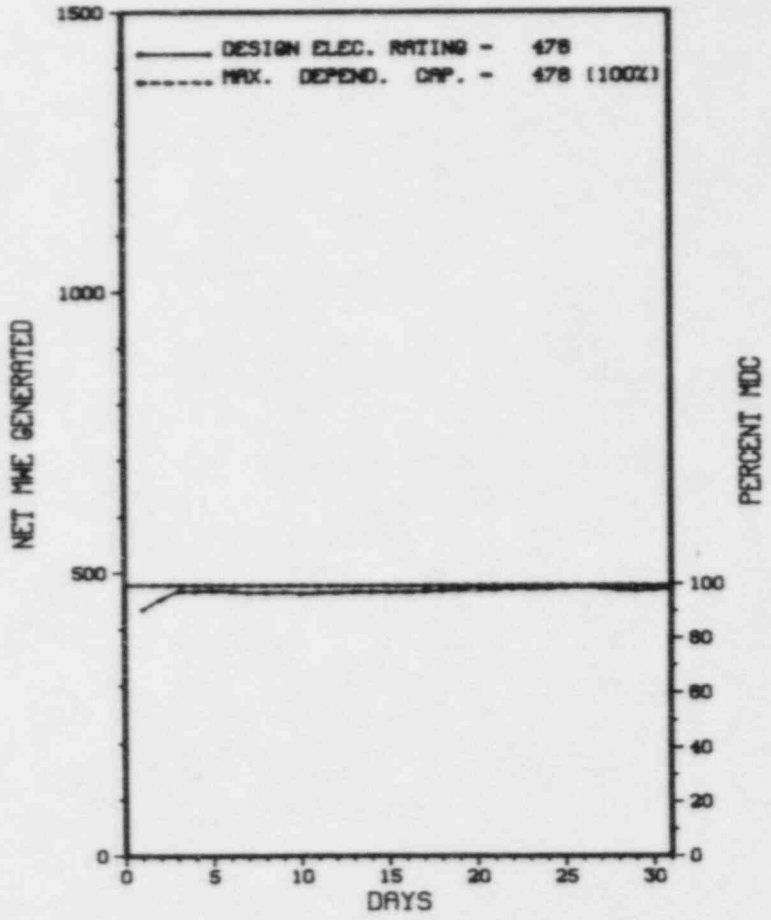
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

FORT CALHOUN 1

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

SUMMARY

FORT CALHOUN OPERATED 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)

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

FACILITY DATA

Report Period AUG 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 JULY 1-31, 1984 (84-16): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE, PLANT STARTUP ACTIVITIES, AND OPPD REORGANIZATION. WITHIN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: JULY 1-31, 1984 BY L. A. YANDELL

INSPECTION REPORT NO: 50-285/84-16

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-09 REV 0	6/22/84	7/23/84	10 CFR 50.49 TESTING OF CONAX ELECTRICAL PENETRATIONS.
84-11 REV 0	7/20/84	8/19/84	RADIATION MONITOR DISCONNECTED.
84-13 REV 0	7/22/84	8/21/84	REACTOR TRIP.
84-15 REV 0	7/2/84	8/1/84	LOAD OVER THE RCS.

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 842

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

6. Design Electrical Rating (Net MWe): 330

7. Maximum Dependable Capacity (Gross MWe): 342

8. Maximum Dependable Capacity (Net MWe): 330

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

NONE

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

11. Reasons for Restrictions, If Any:

B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Peri d Hrs	744.0	5,855.0	45,336.0
13. Hours Reactor Critical	.0	1,324.1	27,151.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	660.1	18,463.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	340,047	9,709,799
18. Gross Elec Ener (MWH)	0	95,438	3,248,888
19. Net Elec Ener (MWH)	-3,571	67,084	2,938,614
20. Unit Service Factor	.0	11.3	40.7
21. Unit Avail Factor	.0	11.3	40.7
22. Unit Cap Factor (MDC Net)	.0	3.5	19.6
23. Unit Cap Factor (DER Net)	.0	3.5	19.6
24. Unit Forced Outage Rate	100.0	72.3	42.1
25. Forced Outage Hours	744.0	1,723.5	13,400.5

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

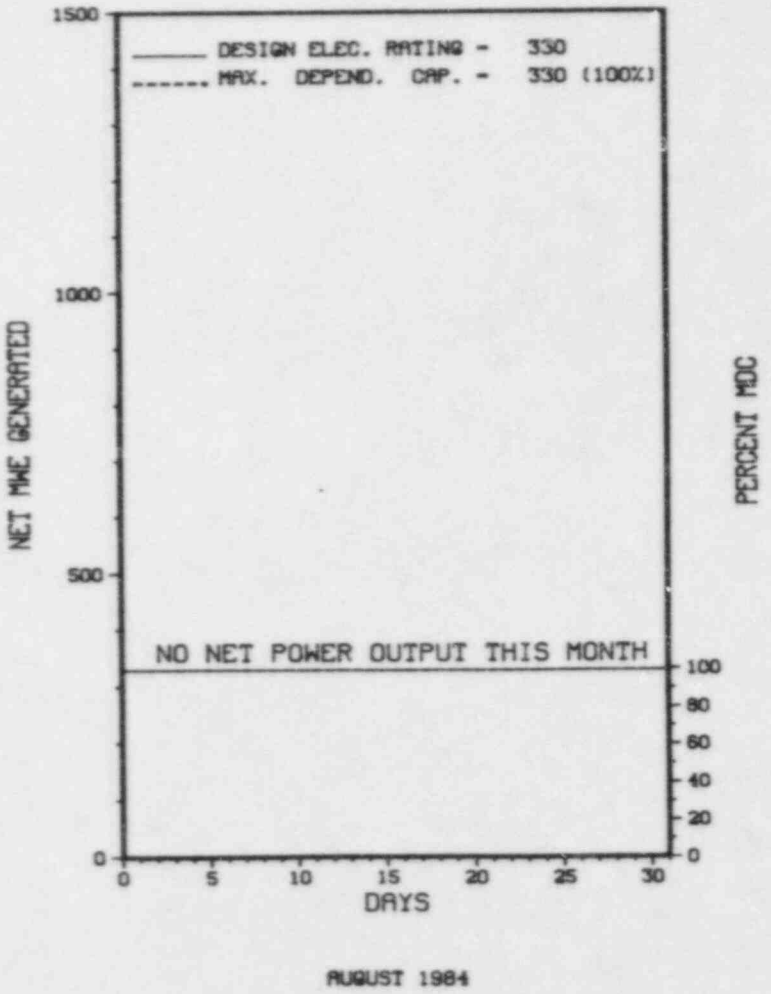
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-006	07/01/84	F	744.0	A	4	50-267/84008	AA	JC	CONTROL ROD DRIVE INVESTIGATION CONTINUES.

****
* SUMMARY *
****

FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING REPAIR 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 AUG 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 JUNE 4-8, 1984 (84-17):

ROUTINE, UNANNOUNCED INSPECTION OF THE COLLECTION, STORAGE, AND MAINTENANCE OF QUALITY ASSURANCE (QA) RECORDS FOR NUCLEAR POWER PLANTS.

WITHIN THE ONE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CABLE PENETRATION THRU FIRE BARRIER FOUND UNSEALED WITHOUT FIRE WATCH POSTED.
(8412 4)

LICENSEE FAILED TO UPDATE COPY OF CONTROL ROOM P&ID AS REQUIRED BY PROCEDURE.
(8412 5)

CONTRARY TO ADMINISTRATIVE PROCEDURE Q-11, SURVEILLANCE SR5.2.16F-RX, AND MAINTENANCE PROCEDURE MP 11-3, THE NRC INSPECTOR DETERMINED THAT THE SR AND MP DID NOT PROVIDE PROOF TEST REQUIREMENTS AND WERE NOT ADEQUATELY FOLLOWED. CONTRARY TO ADMINISTRA

ENFORCEMENT SUMMARY

TIVE PROCEDURE P-2, THE NRC INSPECTOR DETERMINED THAT THE NITROGEN BLANKETING SUBSYSTEM FOR THE SYSTEM 46 SURGE TANKS HAD BEEN A DEVIATION SITUATION WITHOUT OPERATIONS KNOWLEDGE.

CONTRARY TO ADMINISTRATIVE PROCEDURE P-8 AND MAINTENANCE PROCEDURE MP 11-9, THE NRC INSPECTOR IDENTIFIED AREAS INSIDE THE REACTOR BUILDING WHERE COMBUSTIBLE MATERIAL WAS NOT CONTROLLED AND WORK AREAS WERE NOT CONTROLLED IN ACCORDANCE WITH ANSI HOUSKEEPING REQUIREMENTS.
(8414 4)

CONTRARY TO OVERALL PLANT OPERATING PROCEDURES, THE NRC INSPECTOR DETERMINED THAT REACTOR POWER WAS GREATER THAN 2 PERCENT WITHOUT HAVING OPOP I.C.COMPLETED.

CONTRARY TO ADMINISTRATIVE PROCEDURE Q-5, THE NRC INSPECTOR DETERMINED THE CURRENT PROCESS FOR PERFORMING/CONTROLLING CONTROL WORK PERMITS (CWP), PROCEDURE/INSPECTION/TEST/REPORTS (PITR), AND DEVIATION REPORTS (DR), WHICH ARE ACTIVITIES AFFECTING QUALITY, IS NOT PRESCRIBED BY INSTRUCTIONS/PROCEDURES AND THEREFORE NOT PERFORMED IN ACCORDANCE WITH SUCH DOCUMENTS.
(8414 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ON JUNE 23, 1984, SIX CONTROL ROD PAIRS FAILED TO DROP INTO THE CORE DURING A REACTOR SCRAM. THE LICENSEE IS CONTINUING WITH THEIR CRDM INSPECTION PROGRAM. FOUR CRDMS HAVE BEEN REFURBISHED TO DATE, WITH FOUR REMAINING TO BE REFURBISHED IN ACCORDANCE WITH THE LICENSEE'S PROPOSED INSPECTION PROGRAM.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS IN A MAINTENANCE SHUTDOWN STATUS. FSV IS CONTINUING WITH THEIR CRDM INSPECTION PROGRAM.

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

INSPECTION REPORT NO: 50-267/84-17

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007	5-29-84	6-28-84	ON MAY 29, 1984, REACTOR AT LESS THAN 2% POWER, LOOP I SHUTDOWN OCCURRED WHEN THE RRR-1 ON THE 4160/480 V TRANSFORMER ACTIVATED.
84-008	6-23-84	7-23-84	ON JUNE 23, 1984, THE PPS INITIATED AN AUTOMATIC HIGH PRESSURE TRIP. 6 OF 37 CONTROL ROD PAIRS FAILED TO AUTOMATICALLY INSERT.

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1. Docket: 50-244 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: ANDREW MC NAMARA (315) 524-4446

4. Licensed Thermal Power (MWt): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	129,431.0
13. Hours Reactor Critical	744.0	3,919.7	97,519.1
14. Rx Reserve Shtdwn Hrs	.0	56.2	1,687.7
15. Hrs Generator On-Line	744.0	3,851.3	95,362.6
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	1,106,304	5,600,136	131,857,505
18. Gross Elec Ener (MWH)	361,908	1,854,810	43,019,181
19. Net Elec Ener (MWH)	343,735	1,761,791	40,788,035
20. Unit Service Factor	100.0	65.8	73.7
21. Unit Avail Factor	100.0	65.8	73.7
22. Unit Cap Factor (MDC Net)	98.3	64.0	68.8*
23. Unit Cap Factor (DER Net)	98.3	64.0	68.8*
24. Unit Forced Outage Rate	.0	7.2	7.7
25. Forced Outage Hours	.0	296.9	4,099.0

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

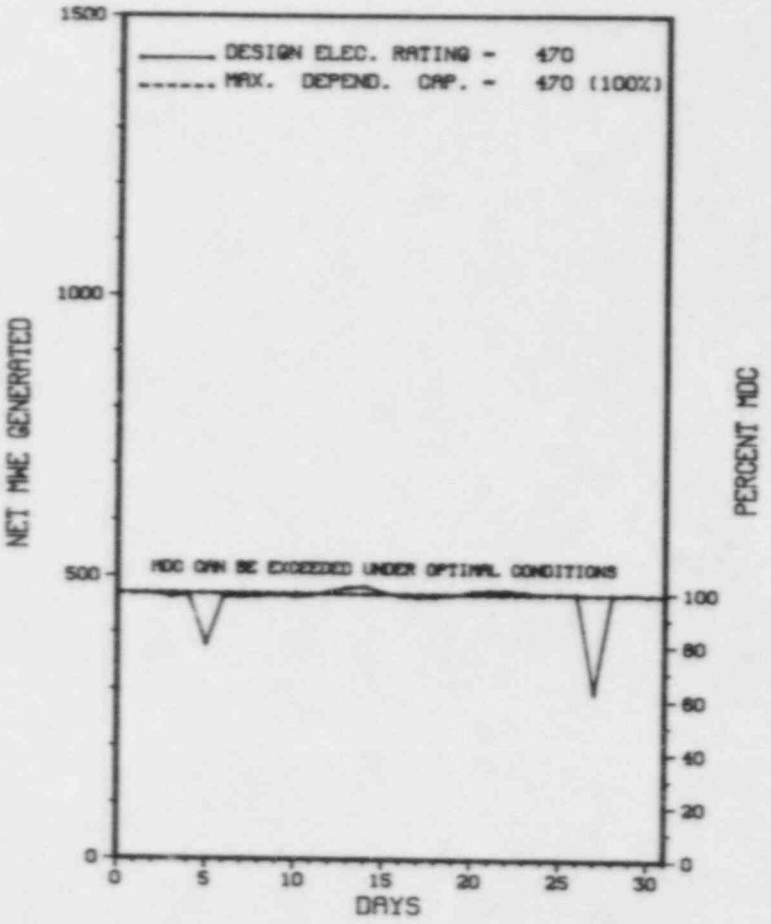
NONE

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

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

GINNA

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	08/27/84	F	0.0	A	5		CH	PIPEXX	STEAM LEAK ON 1B MAIN F.W. PUMP SUCTION RELIEF VALVE NO. 3972 - PIPING REACTOR POWER LEVEL WAS REDUCED TO APPROXIMATELY 48% TO ACCOMPLISH THIS TASK. A TURBINE RUNBACK OCCURRED DUE TO A DROPPED ROD SIGNAL CAUSED BY A BLOWN CONTROL POWER FUSE - DEFEATED CHANNEL 44 (E-13.1 PROCEDURE). AS A RESULT OF THE TURBINE RUNBACK REACTOR POWER LEVEL WAS FURTHER REDUCED TO APPROXIMATELY 26%.

SUMMARY

GINNA OPERATED WITH 1 REDUCTION DURING AUGUST.

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 Ent y Sheet
	E-Operator Training & License Examination		5-Reduced load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* GINNA *
****

FACILITY DATA

Report Period AUG 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

SECTION 7.1 OF THE EMERGENCY PLAN STATES IN PART "TRAINING CLASSES ON THE RADIATION EMERGENCY PLAN SHALL BE CONDUCTED ANNUALLY FOR ALL STATION PERSONNEL AND MAY ACTIVELY PARTICIPATE IN THE RADIATION EMERGENCY PLAN." PROCEDURE NO. SC-600, EMERGENCY PLAN QUALIFICATION AND NOTIFICATION PROVIDES A LIST OF MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION. CONTRARY TO THE ABOVE, THREE MEMBERS OF THE EMERGENCY RESPONSE ORGANIZATION HAD NOT ATTENDED CLASSES ON THE RADIATION EMERGENCY PLAN SINCE DECEMBER 1982. (8408 4)

AS A RESULT OF THE INSPECTION CONDUCTED ON MAY 7 -11, 1984 AND IN ACCORDANCE WITH THE REVISED NRC ENFORCEMENT POLICY (10 CFR 2, APPENDIX C), PUBLISHED IN THE FEDERAL REGISTER NOTICE (49 FR 8583) DATED MARCH 8, 1984 THE FOLLOWING VIOLATION WAS IDENTIFIED: TECHNICAL SPECIFICATION 6.11 AND 6.8.1, REQUIRES, IN PART, THE LICENSEE TO DEVELOP WRITTEN RADIATION MONITORING PROCEDURES CONSISTENT WITH 10 CFR 20. 10 CFR 20.103(A)3 REQUIRES SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR. CONTRARY TO THE ABOVE, THE LICENSEES PROCEDURES WERE INADEQUATE IN THAT PROCEDURES HP 4.3, HP 6.1 AND HP 6.2 WHICH REQUIRE AIRBORNE MONITORING DID NOT SPECIFY THE TECHNIQUE TO BE USED TO MONITOR AREA AND BREATHING ZONE CONCENTRATIONS AND TO PROVIDE

ENFORCEMENT SUMMARY

SUITABLE MEASUREMENTS OF SUCH CONCENTRATIONS. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT IV).
(8412 5)

THE GINNA TECHNICAL SPECIFICATIONS, SECTION 6.5.2.8, STATE IN PART, "...AUDITS SHALL ENCOMPASS:...C. THE RESULTS OF ALL ACTIONS TAKEN TO CORRECT DEFICIENCIES OCCURRING IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS OR METHODS OF OPERATION THAT AFFECT NUCLEAR SAFETY AT LEAST ONCE PER SIX MONTHS". CONTRARY TO THE ABOVE, AUDITS 83-28:CA AND 84-02:CA, CONDUCTED TO FULFILL THE TS REQUIREMENT, DID NOT INCLUDE NONCONFORMANCE REPORTS (NCRS), A SYSTEM THAT ADDRESSES THE CORRECTION OF DEFICIENCIES FOUND IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS OR METHODS OF OPERATION. EXAMPLES OF SUCH NCRS ARE G-83-31-93, 110 AND 164 THAT ADDRESSED HANGER WELDING, CABLE SUPPORTS, AND CALCULATED STRESSES FOR PIPING. 10 CFR 50, APPENDIX B, CRITERION II, STATES IN PART, "THE QUALITY ASSURANCE PROGRAM SHALL PROVIDE CONTROL OVER ACTIVITIES AFFECTING THE QUALITY OF IDENTIFIED....COMPONENTS....". SECTION 1.D OF SUPPLEMENT IV TO TECHNICAL SUPPLEMENT ACCOMPANYING APPLICATION FOR A FULL-TERM OPERATING LICENSE (THE QUALITY ASSURANCE PROGRAM DESCRIPTION) COMMITS TO ANSI N18.7-1972. PARAGRAPH 6.2.1 OF THIS STANDARD STATES IN PART, "ACCESS TO STORAGE AREAS SHALL BE CONTROLLED AND LIMITED ONLY TO PERSONNEL DESIGNATED BY THE RESPONSIBLE ORGANIZATION." CONTRARY TO THE ABOVE, ACCESS WAS NOT CONTROLLED TO UNENCLOSED LEVEL D STORAGE AREAS, ESTABLISHED BY THE MAJOR ONSITE CONTRACTOR, FOR STRUCTURAL STEEL, PIPING AND ELECTRICAL CABLE REELS. FURTHER, AN UNENCLOSED LEVEL D STORAGE AREA FOR PIPING, ESTABLISHED BY THE LICENSEE, ALSO DID NOT HAVE CONTROLLED ACCESS.
(8413 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

****
* GINNA *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.

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1. Docket: 50-213 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. P. DRAGO (203) 267-2556 X452
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600
6. Design Electrical Rating (Net MWe): 582
7. Maximum Dependable Capacity (Gross MWe): 596
8. Maximum Dependable Capacity (Net MWe): 569
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	146,111.0
13. Hours Reactor Critical	10.8	5,121.8	126,323.2
14. Rx Reserve Shtdwn Hrs	.0	.0	1,200.5
15. Hrs Generator On-Line	3.3	5,114.3	121,021.6
16. Unit Reserve Shtdwn Hrs	.0	.0	373.7
17. Gross Therm Ener (MWH)	2,590	8,858,743	210,231,303
18. Gross Elec Ener (MWH)	770	2,896,058	69,009,301
19. Net Elec Ener (MWH)	-2,806	2,754,031	65,654,732
20. Unit Service Factor	.4	87.3	82.8
21. Unit Avail Factor	.4	87.3	83.1
22. Unit Cap Factor (MDC Net)	.0	82.7	82.8*
23. Unit Cap Factor (DER Net)	.0	80.8	77.0*
24. Unit Forced Outage Rate	.0	.0	5.9
25. Forced Outage Hours	.0	.0	1,158.0

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

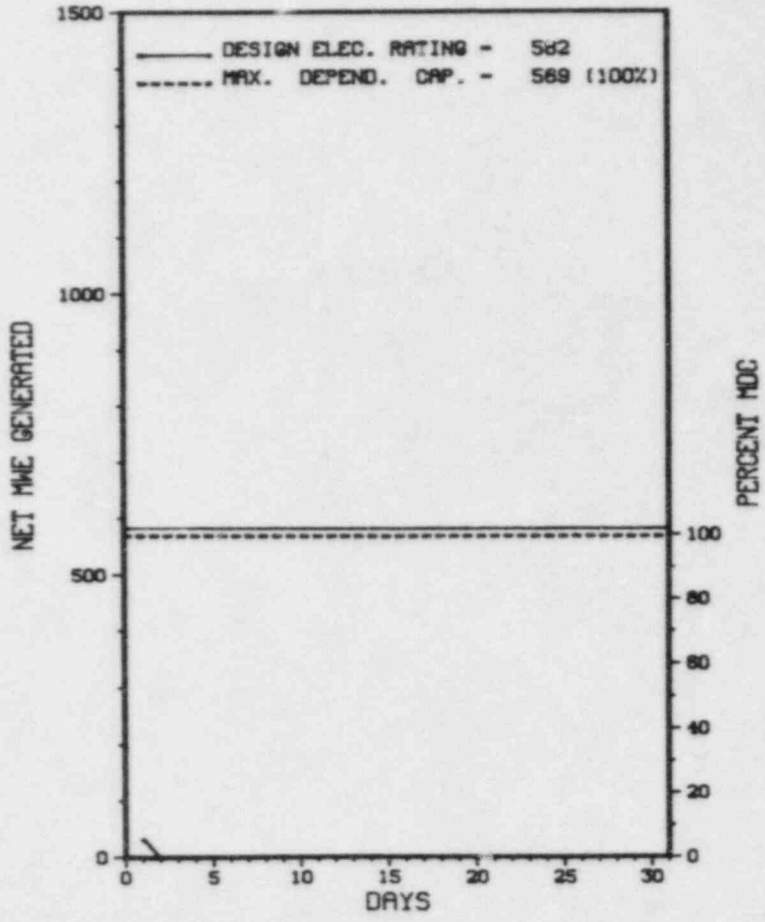
NONE

27. If Currently Shutdown Estimated Startup Date: 10/09/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

HADDAM NECK

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	08/01/84	S	740.7	C	1		RC	FUELXX	CORE XII - XIII REFUELING BEGINS.

SUMMARY

HADDAM NECK (CONNECTICUT YANKEE) SHUTDOWN ON AUGUST 1ST FOR REFUELING.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....MIDDLESEX

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI E OF
MERIDEN, CONN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 24, 1967

DATE ELEC ENER 1ST GENER...AUGUST 7, 1967

DATE COMMERCIAL OPERATE....JANUARY 1, 1968

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER

CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. SWETLAND

LICENSING PROJ MANAGER.....J. LYONS
DOCKET NUMBER.....50-213

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8 STATES, "WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1976 AND APPENDIX "A" OF USAEC REGULATORY GUIDE 1.33..." SECTION 2.0, "APPLICABILITY", OF CONNECTICUT YANKEE QUALITY ASSURANCE PROCEDURE NO. QA1.2-7, "RECEIPT, INSPECTION AND IDENTIFICATION OF MATERIALS, PARTS AND COMPONENTS," DEVELOPED PURSUANT TO THE ABOVE, STATES THAT THE "PROCEDURE APPLIES TO PURCHASED CATEGORY I, RADWASTE QA, FIRE PROTECTION QA AND CATEGORY II MATERIAL, PARTS AND COMPONENTS". SECTION 4.2 OF PROCEDURE NO. QA 1.2-7 STATES THAT THE QA/QC DEPARTMENT IS RESPONSIBLE FOR PERFORMING RECEIPT INSPECTIONS IN ACCORDANCE WITH THE PROCEDURE. CONTRARY TO THE ABOVE, DURING 1984 THE LICENSEE HAS RECEIVED 3 HIGH INTEGRITY CONTAINERS (HIC) RADWASTE QA COMPONENT AND THE QA/QC DEPARTMENT HAS NOT PERFORMED RECEIPT INSPECTIONS ON ANY OF THE HIGH INTEGRITY CONTAINERS. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). 10 CFR 20.311 (D) (3) REQUIRES ANY GENERATING LICENSEE WHO TRANSFERS RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY TO CONDUCT A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH 10 CFR 61.55 AND 10 CFR 61.56. CONTRARY TO THE ABOVE, THE LICENSEE HAS TRANSFERRED RADIOACTIVE WASTE TO A LAND DISPOSAL FACILITY AT LEAST FIVE TIMES DURING 1984 AND THE LICENSEE HAS NOT CONDUCTED A QUALITY CONTROL PROGRAM TO ASSURE COMPLIANCE WITH 10 CFR 61.55 AND 10 CFR 61.56. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).

ENFORCEMENT SUMMARY

(8411 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: 50-321 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: P. J. NORTH (912) 367-7851
4. Licensed Thermal Power (MWt): 2436
5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850
6. Design Electrical Rating (Net MWe): 777
7. Maximum Dependable Capacity (Gross MWe): 801
8. Maximum Dependable Capacity (Net MWe): 752
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	75,983.0
13. Hours Reactor Critical	704.9	4,966.6	54,472.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	675.2	4,806.5	51,199.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,434,030	10,750,439	107,885,554
18. Gross Elec Ener (MWH)	435,960	3,399,500	34,848,480
19. Net Elec Ener (MWH)	412,468	3,233,436	33,083,927
20. Unit Service Factor	90.8	82.1	67.4
21. Unit Avail Factor	90.8	82.1	67.4
22. Unit Cap Factor (MDC Net)	73.7	73.4	57.9
23. Unit Cap Factor (DER Net)	71.4	71.1	56.0
24. Unit Forced Outage Rate	9.2	16.7	16.0
25. Forced Outage Hours	68.8	963.9	9,573.8

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

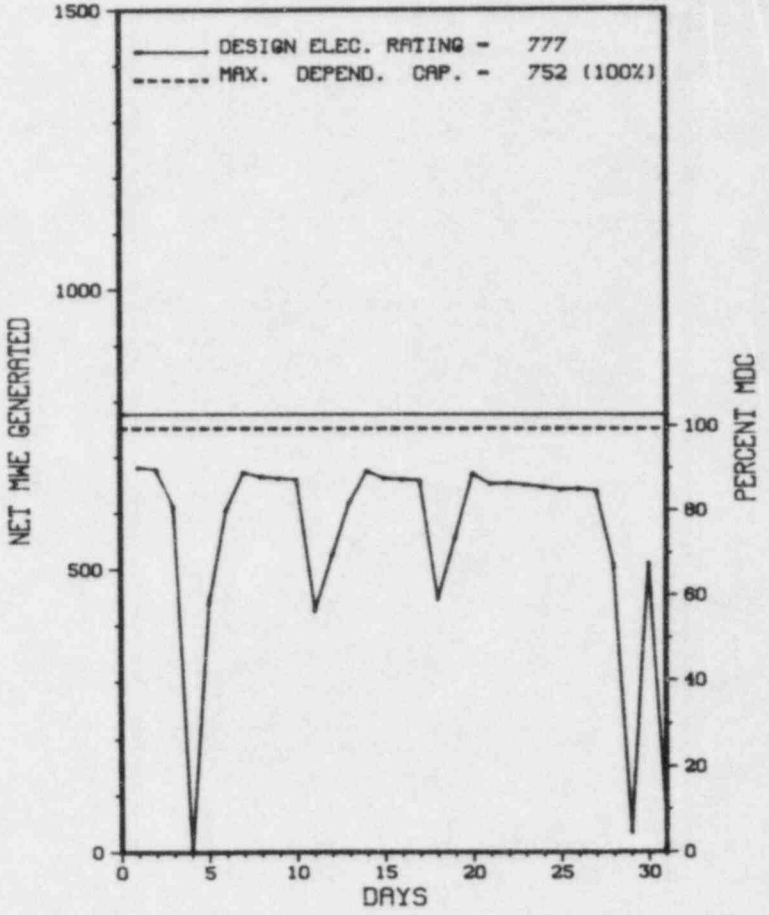
REFUELING: 10-1-84; 10 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-59	08/01/84	F	0.0	A	5		HA	TURBIN	13TH STAGE BUCKETS WERE DAMAGED & OUT FOR THE DURATION OF AUGUST.
84-60	08/03/84	F	26.1	A	3	1-84-15	EG	TRANSF	SHORT IN 1B AUX. TRANSFORMER. SCRAM ON TCV FAST CLOSURE.
84-61	08/04/84	F	0.0	B	5		EG	TRANSF	LOAD REDUCTION FOR TRANSFORMER WORK.
84-62	08/18/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION FOR WEEKLY TURBINE TESTING.
84-63	08/18/84	F	0.0	A	5		CB	PUMPXX	RECIRC PUMP TRIPS.
84-64	08/28/84	F	0.0	A	5		HF	FILTER	LOSS OF CONDENSER VACUUM. CIRC. WATER SCREENS CLOGGED.
84-65	08/28/84	F	21.8	A	2		HF	FILTER	LOSS OF CONDENSER VACUUM. CIRC. WATER SCREENS CLOGGED. OUTAGE.
84-66	08/29/84	S	0.0	H	5		IF	INSTRU	POWER INCREASE DISCONTINUED FOR P-1 RUN.
84-67	08/31/84	F	0.0	A	5		HC	XXXXXX	LOSS OF CONDENSER VACUUM FROM IN LEAKAGE THROUGH CRACK BETWEEN CONDENSER & LP TURBINE.
84-68	08/31/84	F	20.9	A	2		HC	XXXXXX	LOSS OF CONDENSER VACUUM FROM IN LEAKAGE THROUGH CRACK BETWEEN CONDENSER & LP TURBINE. OUTAGE.

****
* SUMMARY *
****

HATCH 1 OPERATED ROUTINELY 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 (LER) File (NUREG-0161)
			9-Other	

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974

DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1974

DATE COMMERCIAL OPERATE....DECEMBER 31, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 16-20 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TEST PROCEDURE NO. HNP-2-10183, INTEGRATED ECCS TEST II, REVIEW OF TEST PROCEDURE FOR THE ROD BLOCK MONITORING SYSTEM ARTS MODIFICATION FOR DCR 84-105, VERIFICATION OF AS-BUILTS, INDEPENDENT INSPECTION, REVIEW OF THE SNUBBER SURVEILLANCE PROGRAM, AND PLANT TOUR. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 16-20 (84-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION TRAINING, INTERNAL EXPOSURE, EXTERNAL EXPOSURE FOR RECIRCULATION PIPING REPLACEMENT, SOLID WASTE, TRANSPORTATION, LIQUID AND GASEOUS WASTES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO POST A RADIATION AREA.

INSPECTION JULY 30 - AUGUST 3 (84-29): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 87 (20 INSPECTOR HOURS NONROUTINE) INSPECTOR-HOURS ON SITE IN THE AREA OF A LIMITED SCALE EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 21 - AUGUST 20 (84-30): THIS INSPECTION INVOLVED 85 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL

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

INSPECTION SUMMARY

SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, REFUELING, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES/INSTRUCTIONS).

ENFORCEMENT SUMMARY

10 CFR 20.203(B) REQUIRES A LICENSEE TO POST EACH RADIATION AREA WITH A CONSPICUOUS SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOL AND THE WORDS: "CAUTION RADIATION AREA". CONTRARY TO THE ABOVE, THE LICENSEE DID NOT POST A RADIATION SIGN IN THE RADIOACTIVE WASTE HANDLING BUILDING.
(8428 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ REFUELING SCHEDULED OCTOBER 1, 1984, 5 WEEKS.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 21 - AUGUST 20, 1984 +

INSPECTION REPORT NO: 50-321/84-30 +

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	07/20/84	08/14/84	CABLE SEPARATION, UNLANDED CABLES, AND OPEN LINKS, CAUSE DUE TO PERSONNEL ERROR AND INADEQUATE ADMINISTRATIVE CONTROLS.

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: P. J. NORTH (912) 367-7851

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 804

8. Maximum Dependable Capacity (Net MWe): 748

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	43,752.0
13. Hours Reactor Critical	66.2	374.4	27,613.3
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)	1,638	728,550	56,294,846
18. Gross Elec Ener (MWH)	0	242,640	18,547,990
19. Net Elec Ener (MWH)	-5,475	212,868	17,631,110
20. Unit Service Factor	.0	5.3	60.0
21. Unit Avail Factor	.0	5.3	60.0
22. Unit Cap Factor (MDC Net)	.0	4.9	53.9
23. Unit Cap Factor (DER Net)	.0	4.6	51.4
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):

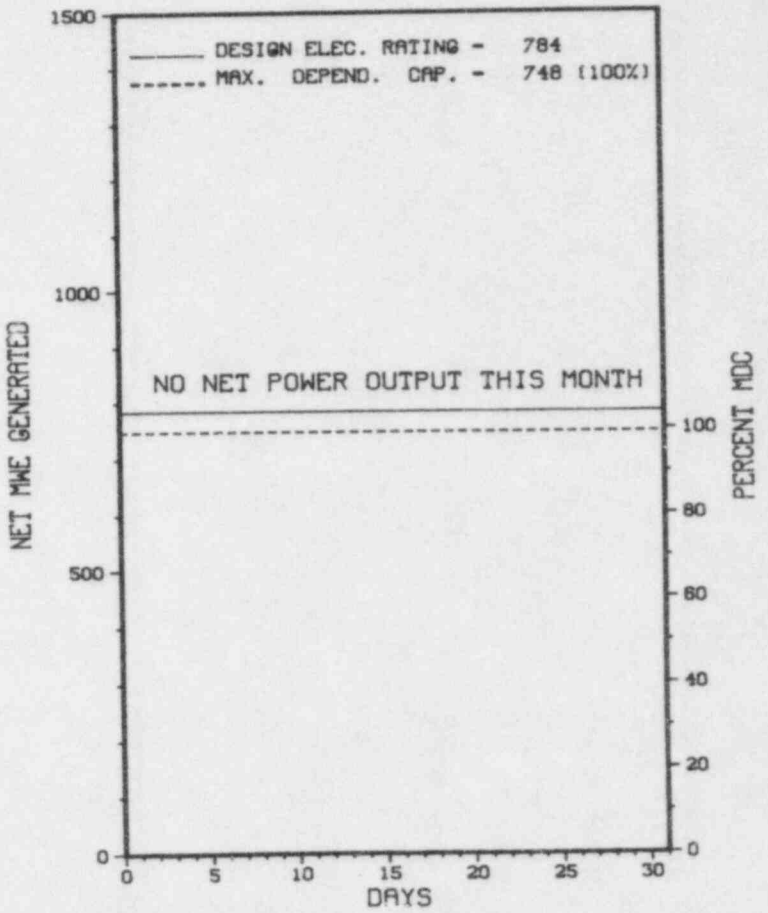
NONE

27. If Currently Shutdown Estimated Startup Date: 09/03/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



AUGUST 1984

Report Period AUG 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 *
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HATCH 2 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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 4, 1978

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

DATE COMMERCIAL OPERATE....SEPTEMBER 5, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 16-20 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 33 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF TEST PROCEDURE NO. HNP-2-10183, INTEGRATED ECCS TEST II, REVIEW OF TEST PROCEDURE FOR THE ROD BLOCK MONITORING SYSTEM ARTS MODIFICATION FOR DCR 84-105, VERIFICATION OF AS-BUILTS, INDEPENDENT INSPECTION, REVIEW OF THE SNUBBER SURVEILLANCE PROGRAM, AND PLANT TOUR. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 16-20 (84-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION TRAINING, INTERNAL EXPOSURE, EXTERNAL EXPOSURE FOR RECIRCULATION PIPING REPLACEMENT, SOLID WASTE, TRANSPORTATION, LIQUID AND GASEOUS WASTES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO POST A RADIATION AREA.

INSPECTION JULY 30 - AUGUST 3 (84-29): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 87 (20 INSPECTOR HOURS NONROUTINE) INSPECTOR-HOURS ON SITE IN THE AREA OF A LIMITED SCALE EMERGENCY PREPAREDNESS EXERCISE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 21 - AUGUST 20 (84-30): THIS INSPECTION INVOLVED 84 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL

INSPECTION SUMMARY

SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, REFUELING, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURES/INSTRUCTIONS).

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION IX, SPECIAL PROCESS WERE NOT ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE CODES IN THAT PROCEDURE 1918-V-N001, THE APPLICABLE PROCEDURE FOR VISUAL INSPECTION OF AWS WELDS, ALLOWED 1/32" MAXIMUM UNDERCUT IN LIEU OF .010 FOR CERTAIN WELDS RESULTING IN 133 WELDS BEING INSPECTED AND ACCEPTED TO AN INCORRECT ACCEPTANCE STANDARD. TWO OF THE 133 WELDS REQUIRED RE-WORK TO BRING WITHIN REQUIREMENTS.
(8427 5)

10 CFR 20.203(B) REQUIRES A LICENSEE TO POST EACH RADIATION AREA WITH A CONSPICUOUS SIGN OR SIGNS BEARING THE RADIATION CAUTION SYMBOL AND THE WORDS: "CAUTION RADIATION AREA". CONTRARY TO THE ABOVE, THE LICENSEE DID NOT POST A RADIATION SIGN IN THE RADIOACTIVE WASTE HANDLING BUILDING.
(8428 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: JULY 21 - AUGUST 20, 1984 +

INSPECTION REPORT NO: 50-366/84-30 +

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

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

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1. Docket: 50-247 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: MIKE BLATT (914) 526-5127
4. Licensed Thermal Power (MWt): 2758
5. Nameplate Rating (Gross MWe): 1126 X 0.9 = 1013
6. Design Electrical Rating (Net MWe): 873
7. Maximum Dependable Capacity (Gross MWe): 885
8. Maximum Dependable Capacity (Net MWe): 849
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	89,160.0
13. Hours Reactor Critical	.0	3,228.6	59,176.2
14. Rx Reserve Shtdwn Hrs	.0	.0	2,119.1
15. Hrs Generator On-Line	.0	3,204.7	57,400.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	8,228,228	149,268,727
18. Gross Elec Ener (MWH)	0	2,579,530	46,237,106
19. Net Elec Ener (MWH)	-1,618	1,865,952	43,493,044
20. Unit Service Factor	.0	54.7	64.4
21. Unit Avail Factor	.0	54.7	64.4
22. Unit Cap Factor (MDC Net)	.0	37.3	57.6*
23. Unit Cap Factor (DER Net)	.0	36.5	55.9
24. Unit Forced Outage Rate	.0	12.7	9.6
25. Forced Outage Hours	.0	466.5	5,842.7

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

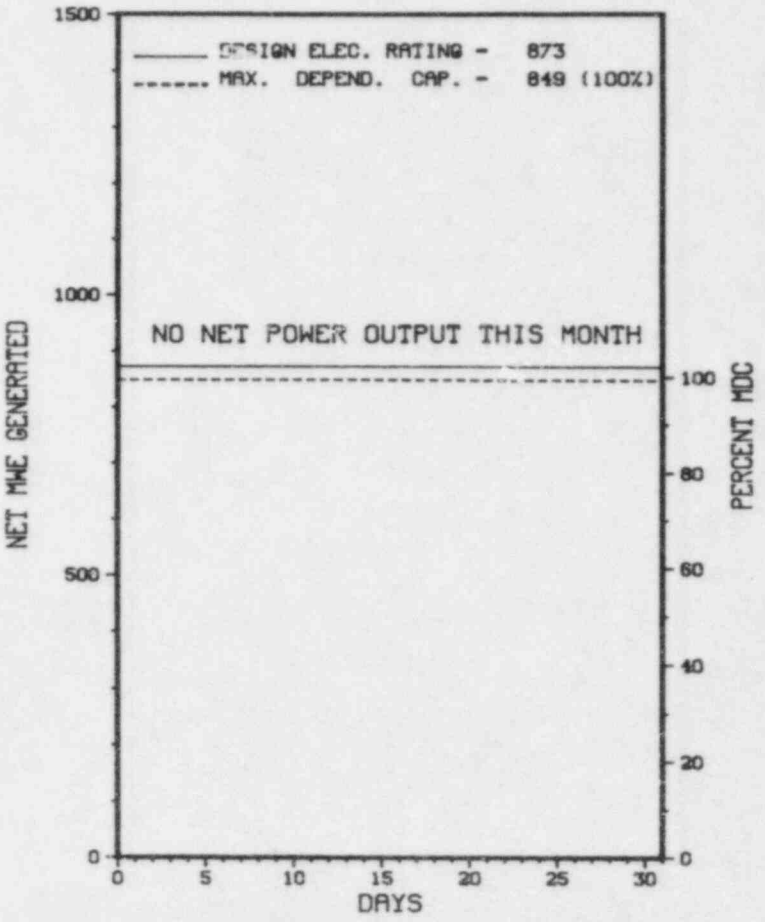
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

INDIAN POINT 2 REMAINS 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)

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

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...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

10 CFR 71.12 (C) REQUIRES THAT A PERSON USING A PACKAGE TO TRANSPORT LICENSED MATERIAL MUST HAVE A COPY OF THE CERTIFICATE OF COMPLIANCE, AND THE PERSON MUST ALSO COMPLY WITH THE CONDITIONS OF THE CERTIFICATE. CERTIFICATE OF COMPLIANCE NO. 6601 , REVISION NO. 15, REQUIRES THAT PRIOR TO EACH SHIPMENT, THE PACKAGING MUST BE LEAK TESTED IN ACCORDANCE WITH SECTION 8.2.2 OF THE APPLICATION. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT PERFORM A LEAK TEST PRIOR TO THE TYPE B QUANTITY SHIPMENT OF RESIN MADE ON MAY 1, 1984 IN A CASK HAVING THE CERTIFICATE OF COMPLIANCE NO. 6601. CERTIFICATE OF COMPLIANCE NO. 6601, REVISION NO. 15, REQUIRES THAT THE EXTERNAL DOSE RATE AT 3 FEET FROM THE SURFACE OF THE PACKAGE NOT EXCEED 125 MREM/HR. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT DETERMINE IF A PACKAGE SHIPPED ON MAY 1, 1984, HAVING THE CERTIFICATE OF COMPLIANCE NO. 6601, HAD AN EXTERNAL DOSE RATE AT 3 FEET NOT EXCEEDING 125 MREM/HR. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8414 4)

TECHNICAL SPECIFICATION 6.8.2 REQUIRES EACH PROCEDURE THAT MEETS OR EXCEEDS THE REQUIREMENTS AND RECOMMENDATION OF SECTIONS 5.1 AND 5.3 OF ANSI 18.7-1972, AND APPENDIX "A" OF USAEC REGULATORY GUIDE 1.33 BE REVIEWED AND APPROVED FOR IMPLEMENTATION IN ACCORDANCE WITH A WRITTEN ADMINISTRATIVE CONTROL PROCEDURE APPROVED BY THE APPROPRIATE GENERAL MANAGER, AND WITH THE CONCURRENCE

ENFORCEMENT SUMMARY

OF THE STATION NUCLEAR SAFETY COMMITTEE AND THE NUCLEAR FACILITIES SAFETY COMMITTEE. CONTRARY TO THE ABOVE, THE LICENSEE HAS IMPLEMENTED A TRANSPORT PACKAGE LOADING PROCEDURE AND THE PROCEDURE WAS NOT REVIEWED AND APPROVED FOR IMPLEMENTATION IN ACCORDANCE WITH A WRITTEN ADMINISTRATIVE CONTROL PROCEDURE APROVED BY THE APPROPRIATE GENERAL MANAGER, AND WITH THE CONCURRENCE OF THE STATION NUCLEAR SAFETY COMMITTEE AND THE NUCLEAR FACILITIES SAFETY COMMITTEE. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT V).
(8414 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: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. KELLY (914) 739-8200

4. Licensed Thermal Power (MWt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	70,176.0
13. Hours Reactor Critical	740.7	5,101.5	39,526.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	653.2	4,875.6	38,017.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,886,630	13,936,563	98,306,399
18. Gross Elec Ener (MWH)	598,390	4,540,915	30,907,526
19. Net Elec Ener (MWH)	575,245	4,370,133	29,614,311
20. Unit Service Factor	87.8	83.3	54.2
21. Unit Avail Factor	87.8	83.3	54.2
22. Unit Cap Factor (MDC Net)	80.1	77.3	43.7
23. Unit Cap Factor (DER Net)	80.1	77.3	43.7
24. Unit Forced Outage Rate	3.3	15.1	22.6
25. Forced Outage Hours	22.2	870.3	11,067.1

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

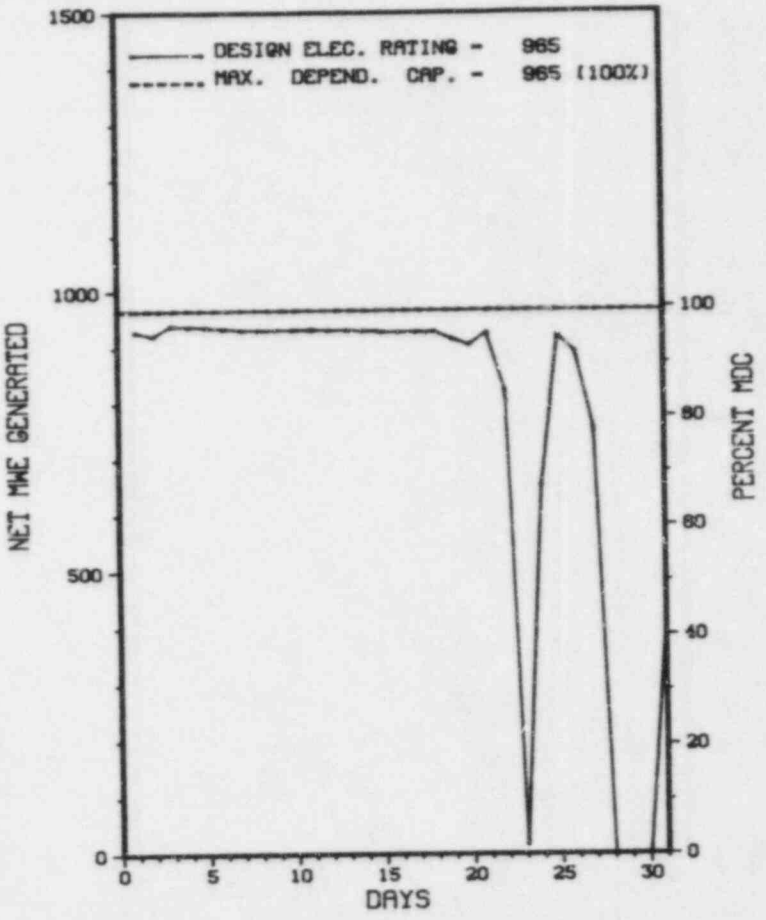
S/G INSPECTION: 10/13/84 - 4 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



AUGUST 1984

Report Period AUG 1984 U N I T S H U T D O W N S / R E D U C T I O N S

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	08/28/84	F	22.2	A	3	84-013-00	CH	PUMPXX	MBFP CONTROL OIL SYSTEM CAUSED FEED FLOW PERTURBATIONS WHICH ULTIMATELY LED TO A HI-HI LEVEL STEAM GENERATOR UNIT TRIP.
11	08/28/84	S	68.6	A	1		HF	HTEXCH	REPAIR OF CONDENSER CIRCULATING WATER CONDENSER SEAMS AND ELECTRICAL GENERATOR HYDROGEN COOLERS.

****
* SUMMARY *
****

INDIAN POINT 3 OPERATED WITH 2 OUTAGES FOR EQUIPMENT FAILURE DURING AUGUST.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976

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

DATE COMMERCIAL OPERATE....AUGUST 30, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. KENNY

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

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

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.

REPORTS FROM LICENSEE

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

1. Docket: 50-305 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: G.RUITER (414) 388-2560 X207
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 622 X 0.9 = 560
6. Design Electrical Rating (Net MWe): 535
7. Maximum Dependable Capacity (Gross MWe): 529
8. Maximum Dependable Capacity (Net MWe): 503
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	89,520.0
13. Hours Reactor Critical	744.0	4,641.5	75,821.6
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	744.0	4,599.4	74,411.9
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MWH)	1,222,297	7,301,828	116,272,914
18. Gross Elec Ener (MWH)	401,200	2,408,600	38,266,700
19. Net Elec Ener (MWH)	381,602	2,293,515	36,425,551
20. Unit Service Factor	100.0	78.6	83.1
21. Unit Avail Factor	100.0	78.6	83.1
22. Unit Cap Factor (MDC Net)	102.0	77.9	78.3*
23. Unit Cap Factor (DER Net)	95.9	73.2	76.1
24. Unit Forced Outage Rate	.0	.3	3.7
25. Forced Outage Hours	.0	15.7	2,745.4

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

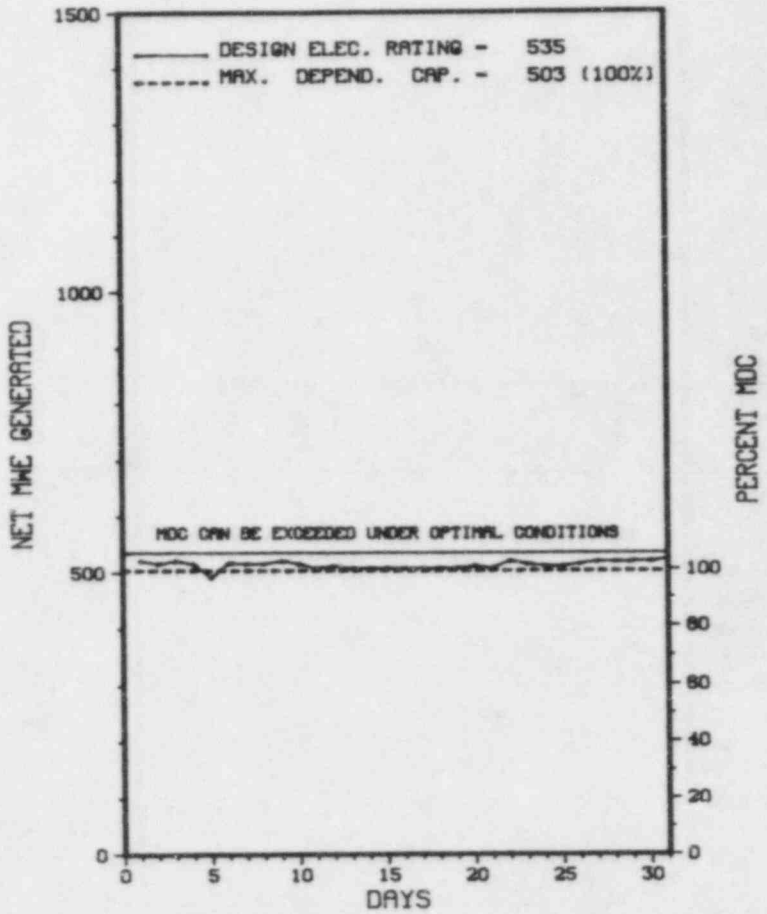
REFUELING & MAINTENANCE: 02/15/85 - 2 MONTHS

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

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* KEWAUNEE *
****

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

****
* SUMMARY *
****

KEWAUNEE OPERATED AT FULL POWER DURING THE AUGUST 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 19002
GREEN BAY, WISCONSIN 54307

CONTRACTOR
ARCHITECT/ENGINEER.....PIONEER SERVICES & ENGINEERING

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. NELSON

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-305

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 9-13, (84-07): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); DOSE CALCULATION AND ASSESSMENT; LICENSEE AUDITS; AND LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ACTIONS. THE INSPECTION INVOLVED 144 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA FOR FAILURE TO CARRY OUT REQUIRED MONTHLY COMMUNICATIONS TESTS (NOTIFICATIONS AND COMMUNICATIONS). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE REMAINING SEVEN AREAS INSPECTED.

INSPECTION ON AUGUST 2-3, (84-10): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND WASTE CLASSIFICATION REQUIREMENTS. THE INSPECTION INVOLVED 10 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 1-3, (84-11): ROUTINE, UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 19 INSPECTOR-HOURS ONSITE. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX E, PARAGRAPH IV.E.9.A STATES IN PART THAT PROVISIONS FOR COMMUNICATIONS WITH CONTIGUOUS STATE/LOCAL GOVERNMENTS WITHIN THE PLUME EXPOSURE PATHWAY EPZ SHALL BE TESTED MONTHLY. 10 CFR PART 50, APPENDIX E, PARAGRAPH IV.E.9.D STATES IN PART THAT PROVISIONS FOR COMMUNICATIONS BY THE LICENSEE WITH NRC HEADQUARTERS AND THE APPROPRIATE NRC REGIONAL OFFICE OPERATIONS CENTER FROM THE NUCLEAR POWER REACTOR CONTROL ROOM, THE ONSITE TECHNICAL SUPPORT CENTER, AND THE NEAR-SITE EMERGENCY OPERATIONS FACILITY SHALL BE TESTED MONTHLY. CONTRARY TO THE ABOVE, THE NATIONAL WARNING SYSTEM (NAWAS) COMMUNICATION LINK WITH STATE AND LOCAL AGENCIES WAS NOT TESTED DURING JUNE 1984. IN ADDITION THE NRC EMERGENCY NOTIFICATION SYSTEM (ENS) AND HEALTH PHYSICS NETWORK (HPN) COMMUNICATIONS LINKS FROM THE TECHNICAL SUPPORT CENTER AND NEAR-SITE EMERGENCY OPERATIONS FACILITY WERE NOT TESTED DURING JUNE 1984.
(8407 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 10-14, 1984

INSPECTION REPORT NO: 84-15

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-13	07/02/84	08/01/84	UNPLANNED START OF 'B' TRAIN AUX. BLDG. SPECIAL VENT. SYSTEM.
84-14	07/03/84	08/02/84	REACTOR TRIP DUE TO LOSS OF POWER ON INSTRUMENT BUS IV.
84-15	07/28/84	08/27/84	REFUELING WATER STORAGE TANK BELOW MINIMUM T.S. LEVEL.

1. Docket: 50-409 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: G. R. GADOW (608) 689-2331
4. Licensed Thermal Power (MWt): 165
5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65
6. Design Electrical Rating (Net MWe): 50
7. Maximum Dependable Capacity (Gross MWe): 50
8. Maximum Dependable Capacity (Net MWe): 48
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	130,034.0
13. Hours Reactor Critical	510.2	4,725.0	85,469.4
14. Rx Reserve Shtdwn Hrs	.0	.0	478.0
15. Hrs Generator On-Line	469.0	4,431.2	79,267.5
16. Unit Reserve Shtdwn Hrs	.0	.0	7?.0
17. Gross Therm Ener (MWH)	62,988	661,197	10,943,501
18. Gross Elec Ener (MWH)	19,246	209,450	3,266,678
19. Net Elec Ener (MWH)	17,745	196,817	3,024,052
20. Unit Service Factor	63.0	75.7	61.0
21. Unit Avail Factor	63.0	75.7	61.0
22. Unit Cap Factor (MDC Net)	49.7	70.0	48.4
23. Unit Cap Factor (DER Net)	47.7	67.2	46.5
24. Unit Forced Outage Rate	37.0	21.6	10.3
25. Forced Outage Hours	275.0	1,217.6	8,060.9

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

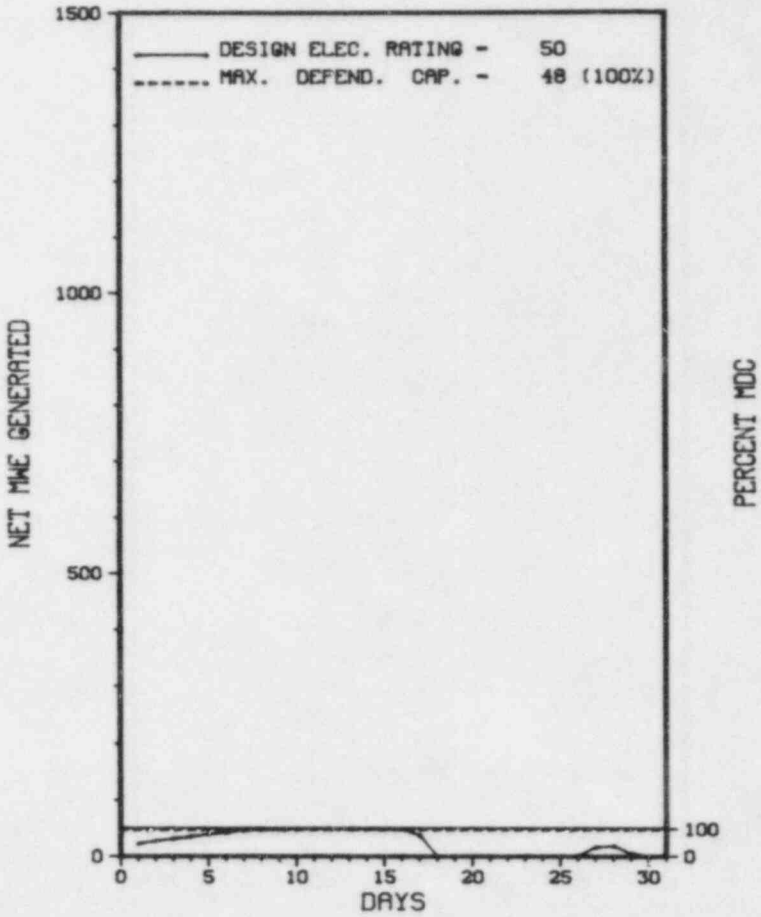
REFUELING, MARCH 1, 1985, 6 WEEKS

27. If Currently Shutdown Estimated Startup Date: 09/08/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	08/17/84	F	138.9	A	1		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN DUE TO WATER LEAKAGE FROM THE MECHANICAL SEAL OF UPPER CONTROL ROD DRIVE MECHANISM (UCRDM) NO. 19. THE MECHANICAL SEAL WAS REPLACED AND THE MECHANISM WAS PMED.
84-08	08/23/84	F	73.5	A	1		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN AFTER UCRDM NO. 19 STARTED LEAKING WATER AT THE FLANGE WHERE IT BOLTS TO THE VESSEL NOZZLE. THE O-RING WAS REPLACED.
84-09	08/29/84	F	62.6	A	1		RB	CRDRVE	THE REACTOR WAS MANUALLY SHUTDOWN AFTER UCRDM NO. 19 STARTED LEAKING WATER AT THE FLANGE.

****
* SUMMARY *
****

LACROSSE SHUTDOWN ON AUGUST 29TH FOR MAINTENANCE AND REPAIRS.

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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LACROSSE, WISC

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967

DATE ELEC ENER 1ST GENER...APRIL 26, 1968

DATE COMMERCIAL OPERATE....NOVEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER

CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601

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

NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS

CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WIEBE

LICENSING PROJ MANAGER.....R. DUDLEY
DOCKET NUMBER.....50-409

LICENSE & DATE ISSUANCE....DPR-45, AUGUST 28, 1973

PUBLIC DOCUMENT ROOM.....LA CROSSE PUBLIC LIBRARY
800 MAIN STREET
LA CROSSE, WISCONSIN 54601

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 16 THROUGH JULY 15, (84-07): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE SURVEILLANCE, LICENSEE EVENT REPORTS, SPECIAL REPORTS, PLANT TRIPS, HIGH RADIATION AREAS, REGULATORY IMPROVEMENT PROGRAM AND DESIGN CHANGES AND MODIFICATIONS. THE INSPECTION INVOLVED A TOTAL OF 155 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING A TOTAL OF 26 INSPECTOR-HOURS ONSITE DURING BACKSHIFTS. OF THE NINE AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO PROVIDE POSITIVE CONTROL OVER AN AREA WHICH HAD RADIATION LEVELS GREATER THAN 1000 MR/HR).

INSPECTION ON JULY 17-25, (84-10): REACTIVE, ANNOUNCED INSPECTION TO OBSERVE THE LICENSEE'S ACTIONS TO AN UNUSUAL EVENT. THE INSPECTION INVOLVED A TOTAL OF 61 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS AND INCLUDES 22 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

THE LA CROSSE BOILING WATER REACTOR (LACBWR) TECHNICAL SPECIFICATIONS, PARAGRAPH 6.12.2 REQUIRES IN PART, THAT FOR EACH AREA WITH RADIATION LEVELS GREATER THAN 1000 MREMS/HR THE ENTRANCE OR ACCESS POINT TO THE AREA SHALL BE EQUIPPED WITH A CONTROL DEVICE WHICH SHALL ENERGIZE A CONSPICUOUS VISIBLE OR AUDIBLE ALARM SIGNAL OR THE ENTRANCE OR ACCESS POINT TO THE AREA MAINTAINED LOCKED EXCEPT WHEN ACCESS TO THE AREA IS REQUIRED AND THERE IS POSITIVE CONTROL OVER EACH INDIVIDUAL ENTRY. CONTRARY TO THE ABOVE, FROM 1800 ON

ENFORCEMENT SUMMARY

JULY 3 TO 1103 ON JULY 5, 1984, THE STOP VALVE AREA (AN AREA WITH RADIATION LEVELS GREATER THAN 1000 MREMS/HR) ACCESS ALARM WAS OUT OF SERVICE AND THE ENTRANCE WAS NOT LOCKED NOR WAS POSITIVE CONTROL ESTABLISHED OVER EACH INDIVIDUAL ENTRY. (8407 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IN COLD SHUTDOWN TO REPAIR UPPER FLANGE LEAK ON CROM NO. 19.

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

INSPECTION REPORT NO: 84-10

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	
84-10	07/16/84	08/08/84	FAILURE OF CONTROL ROD 29 TO INSERT.
84-11	07/16/84	08/08/84	LOSS OF OFFSITE POWER.

1. Docket: 50-373 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: RANDY S. DUS (815) 357-6761 X324
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1078
6. Design Electrical Rating (Net MWe): 1078
7. Maximum Dependable Capacity (Gross MWe): 1078
8. Maximum Dependable Capacity (Net MWe): 1078
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	5,855.0
13. Hours Reactor Critical	744.0	4,745.8	4,745.8
14. Rx Reserve Shtdwn Hrs	.0	1,076.3	1,076.3
15. Hrs Generator On-Line	744.0	4,585.7	4,585.7
16. Unit Reserve Shtdwn Hrs	.0	1.0	1.0
17. Gross Therm Ener (MWH)	2,223,602	19,262,542	19,262,542
18. Gross Elec Ener (MWH)	713,445	4,283,229	4,283,229
19. Net Elec Ener (MWH)	677,248	4,080,111	4,080,111
20. Unit Service Factor	100.0	78.3	78.3
21. Unit Avail Factor	100.0	78.3	78.3
22. Unit Cap Factor (MDC Net)	84.4	64.6	64.6
23. Unit Cap Factor (DER Net)	84.4	64.6	64.6
24. Unit Forced Outage Rate	.0	18.0	18.0
25. Forced Outage Hours	.0	1,005.4	1,005.4

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

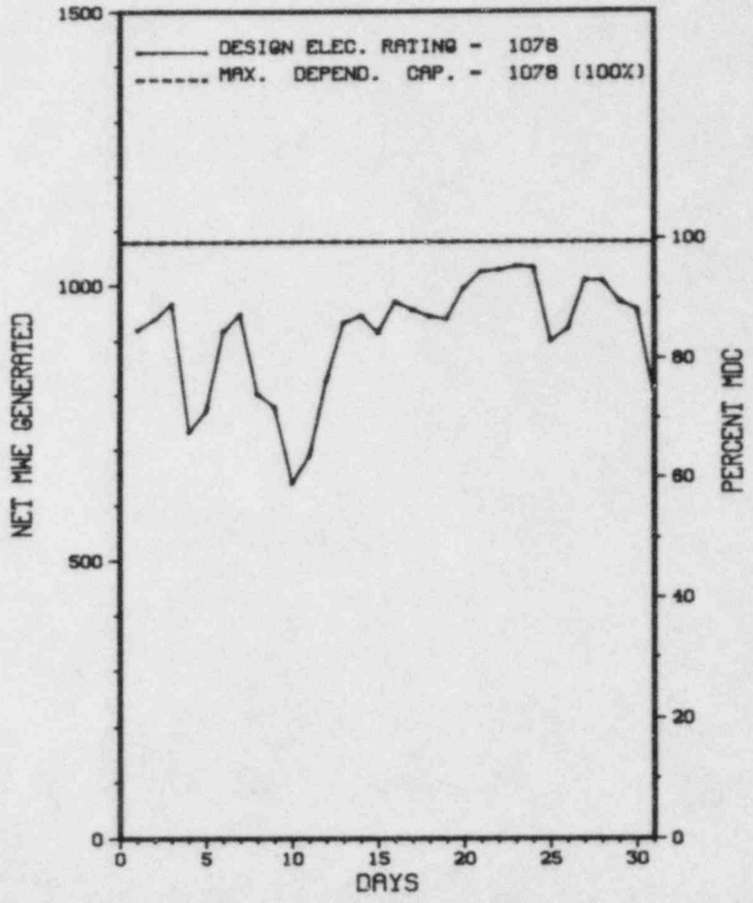
INSPECTION & SURVEILLANCE: 10/01/84 - 1 MONTH

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	08/04/84	S	0.0	H	5				REDUCED POWER TO REPAIR STEAM LEAKS ON HIGH PRESSURE HEATER.

SUMMARY

LASALLE 1 OPERATED WITH 1 REDUCTION DURING AUGUST.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LA SALLE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 21, 1982

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

DATE COMMERCIAL OPERATE....JANUARY 1, 1984

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 19 THROUGH JULY 30, (84-17): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; POTENTIAL GUARD STRIKE; FOLLOWUP ON REGIONAL REQUESTS; IE BULLETINS; REVIEW OF PERIODIC AND SPECIAL REPORTS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 279 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE TEN AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO CONTROL ACCESS TO A HIGH RADIATION AREA).

INSPECTION ON JULY 24-26, (84-19): ROUTINE UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF PREVIOUS INSPECTION FINDINGS AND THE STARTUP TESTING AUDIT PROGRAM. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS ONSITE. 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: AUGUST 12 - SEPTEMBER 14, 1984

INSPECTION REPORT NO: 84-23

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
84-23	04/15/84	08/03/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION.
84-42	07/03/84	07/30/84	HIGH RAD. AREA UNSECURED AND UNPOSTED.
84-44	07/02/84	07/27/84	FAILURE OF HI PRESSURE CORE SPRAY WATERLEG PUMP CHECK VALVES.
84-45	07/15/84	08/09/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION.

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: RANDY S. DUS (815) 357-6761 X324

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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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	3,197.9	3,197.9
13. Hours Reactor Critical	292.6	2,238.4	2,238.4
14. Rx Reserve Shtdwn Hrs	451.4	959.5	959.5
15. Hrs Generator On-Line	237.0	1,941.9	1,941.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	475,310	3,280,800	3,280,800
18. Gross Elec Ener (MWH)	137,874	915,324	915,324
19. Net Elec Ener (MWH)	130,211	860,720	860,720
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	477.2	732.7	732.7

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

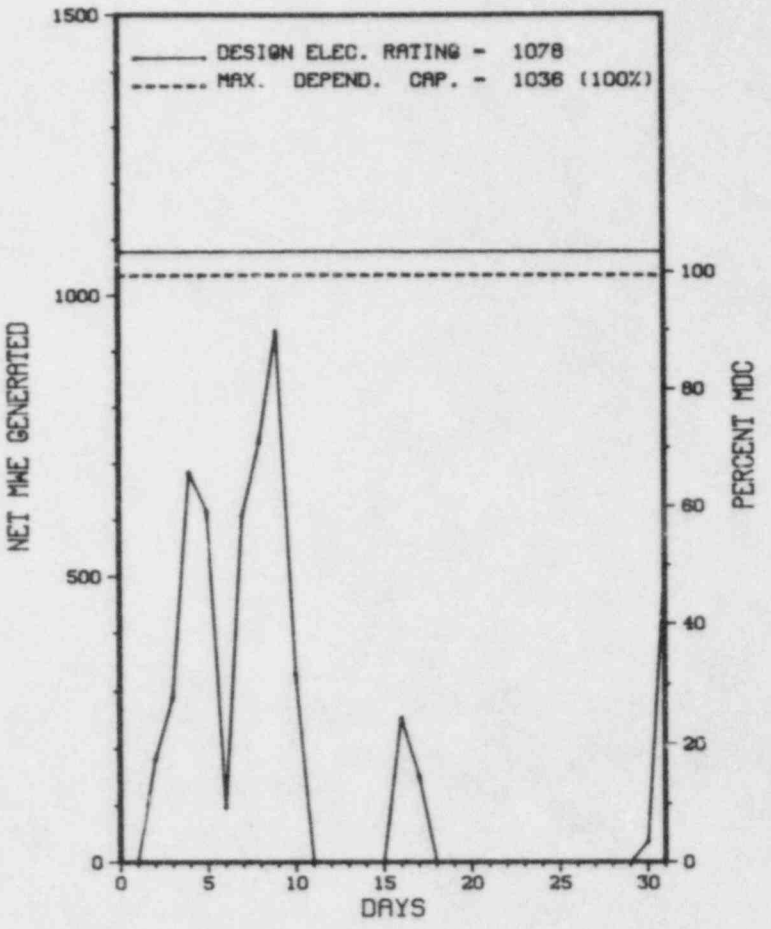
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
24	07/28/84	S	29.8	B	4				REPAIR STEAM LEAKS ON MOISTURE SEPARATOR REHEATER.
25	08/05/84	F	21.1	G	3				UNAUTHORIZED PERSON INCORRECTLY CONNECTED DVM RESULTING IN A TURBINE TRIP.
26	08/10/84	F	135.6	B	3				CLOSURE OF NO. 1 TURBINE CONTROL VALVE RESULTED IN HIGH REACTOR PRESSURE.
27	08/17/84	F	320.5	A	3				LOSS OF EXCITATION TO U-2 GENERATOR CAUSED A TURBINE TRIP.

****
* SUMMARY *
****

LASALLE 2 OPERATED WITH 4 OUTAGES AND NO REDUCTIONS DURING THE REPORT PERIOD.

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

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

FACILITY DATA

Report Period AUG 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...MARCH 10, 1984

DATE ELEC ENER 1ST GENER...APRIL 20, 1984

DATE COMMERCIAL OPERATE....**********

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 19 THROUGH JULY 30, (84-22): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; POTENTIAL GUARD STRIKE; FOLLOWUP ON REGIONAL REQUESTS; IE BULLETINS; REVIEW OF PERIODIC AND SPECIAL REPORTS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 279 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 56 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE TEN AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO CONTROL ACCESS TO A HIGH RADIATION AREA).

INSPECTION ON JULY 24-26, (84-25): ROUTINE UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF PREVIOUS INSPECTION FINDINGS AND THE STARTUP TESTING AUDIT PROGRAM. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS ONSITE. 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:

STARTUP TESTING.

LAST IE SITE INSPECTION DATE: AUGUST 12 - SEPTEMBER 14, 1984

INSPECTION REPORT NO: 84-30

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
84-36	07/06/84	07/30/84	REACTOR WATER CLEANUP HI DIFF. FLOW ISOLATION.
84-37	07/18/84	07/31/84	REACTOR WATER CLEANUP HI DIFF. FLOW ISOLATION.
84-38	07/17/84	08/10/84	UNSECURED HIGH RADIATION AREA.
84-39	07/19/84	08/13/84	REACTOR LOW PRESSURE RCIC ISOLATION.
84-40	07/25/84	08/14/84	DRYWELL CRANE CIRCUITS NOT ON T.S. SURVEILLANCE.
84-41	07/28/84	08/15/84	REACTOR WATER CLEANUP HI DIFF. FLOW ISOLATION.
84-42	07/28/84	08/15/84	MANUAL SCRAM SHUTDOWN.
84-43	08/12/84	08/16/84	VIOLATION OF T.S. 3.6.1.8 ACTION STATEMENT.
84-44	08/01/84	08/17/84	REACTOR WATER CLEANUP HI DIFF. FLOW ISOLATION.
84-45	07/31/84	08/17/84	LOW CRD HEADER PRESSURE SCRAM.

REPORTS FROM LICENSEE - (CONTINUED)

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

84-46	08/05/84	08/21/84	RWCU ISOLATION-LEAK DETECTION HI AMBIENT TEMP.
84-47	08/05/84	08/21/84	REACTOR SCRAM CAUSED BY VENDOR ERROR.

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1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: S. BIEMILLER (617) 827-8100

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 864

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	103,547.6
13. Hours Reactor Critical	744.0	3,850.4	82,461.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,732.0	79,811.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,936,832	9,095,819	178,207,607
18. Gross Elec Ener (MWH)	635,070	2,972,490	58,325,640
19. Net Elec Ener (MWH)	615,006	2,869,881	55,571,583
20. Unit Service Factor	100.0	63.7	77.1
21. Unit Avail Factor	100.0	63.7	77.1
22. Unit Cap Factor (MDC Net)	102.1	60.5	68.3*
23. Unit Cap Factor (DER Net)	100.2	59.4	66.4*
24. Unit Forced Outage Rate	.0	2.2	7.4
25. Forced Outage Hours	.0	83.8	5,497.2

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

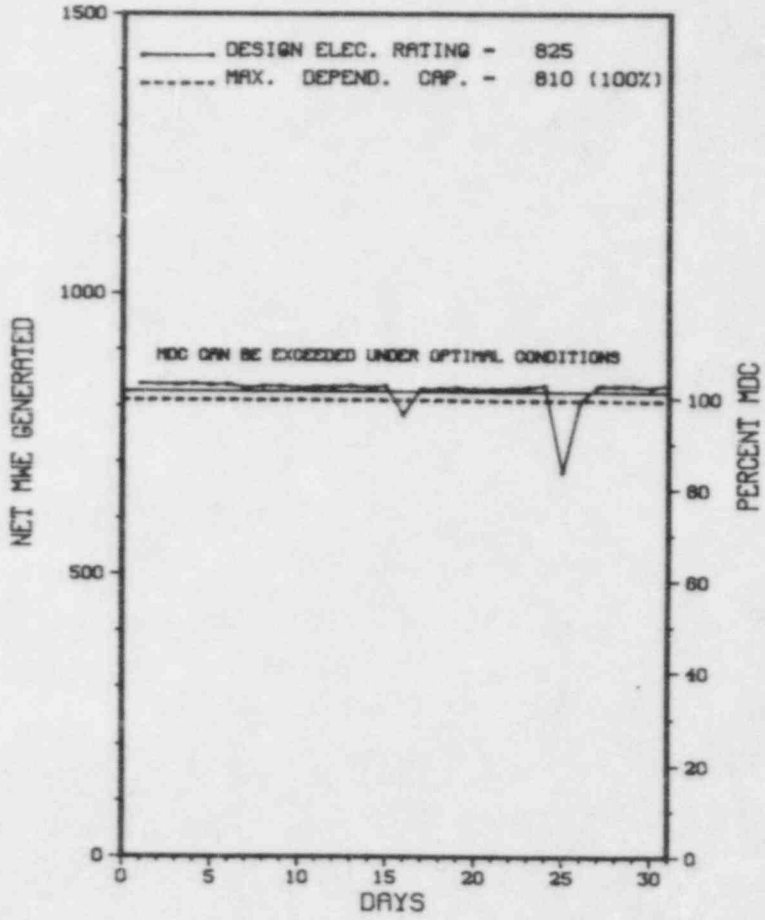
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

MAINE YANKEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrance
	08/16/84	F	0.0	A	5		RB	INSTRU	REJUCED POWER DURING RECOVERY OF DROPPED CEA.
	08/25/84	S	0.0	B	5		HA	VALVEX	REDUCED POWER FOR ROUTINE TURBINE VALVE TESTING AND MUSSEL CONTROL.

SUMMARY

MAINE YANKEE OPERATED WITH 2 REDUCTIONS AND NO OUTAGES IN AUGUST.

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 *
****

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

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.0.C STATES THAT DURING CONDITION 4 OR HIGHER OPERATING CONDITIONS, TWO POWER SOURCES, NORMAL AND EMERGENCY, ARE REQUIRED TO DETERMINE OPERABILITY. THIS TECHNICAL SPECIFICATIONS PROVIDES THE EXCEPTION THAT IF A SYSTEM, SUBSYSTEM, TRAIN, COMPONENT OR DEVICE IS DETERMINED TO BE INOPERABLE SOLELY BECAUSE ITS NORMAL OR EMERGENCY POWER SOURCE IS OPERABLE, IT MAY BE CONSIDERED OPERABLE FOR THE PURPOSE OF SATISFYING THE REQUIREMENTS OF ITS APPLICABLE LIMITING CONDITION FOR OPERATION, PROVIDED: A) ITS CORRESPONDING NORMAL OR EMERGENCY POWER SOURCE IS OPERABLE AND; B) ALL OF ITS REDUNDANT SYSTEM(S), TRAIN(S), COMPONENT(S) AND DEVICE(S) ARE OPERABLE, OR LIKEWISE SATISFY THE REQUIREMENTS OF THIS SPECIFICATION. CONTRARY TO THIS REQUIREMENT, DIESEL DG1A WAS REMOVED FROM SERVICE ON MARCH 7, 1984, DURING POWER OPERATION WITHOUT VERIFICATION OF THE OPERABILITY OF REDUNDANT EQUIPMENT AND THE REQUIRED REMEDIAL ACTION WAS NOT TAKEN. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). DRAFT 6 OF ANS 3.2, OCTOBER 1980 REQUIRES THAT TEMPORARY MODIFICATIONS, SUCH AS ELECTRICAL JUMPERS, LIFTED ELECTRICAL LEADS, AND TEMPORARY TRIP POINT SETTINGS, SHALL BE CONTROLLED BY PROCEDURES WHICH REQUIRE INDEPENDENT VERIFICATION BY EITHER A SECOND PERSON OR A FUNCTIONAL TEST WHICH CONCLUSIVELY PROVES THE PROPER INSTALLATION OR REMOVAL OF THE TEMPORARY MODIFICATION. DRAFT 6 OF ANS 3.2, OCTOBER 1980, FURTHER REQUIRES THAT AFTER PERMISSION HAS BEEN GRANTED TO REMOVE A SYSTEM FROM SERVICE, IT SHALL BE MADE SAFE TO WORK ON. EQUIPMENT AND SYSTEMS IN A CONTROLLED STATUS SHALL BE CLEARLY IDENTIFIED, AT A MINIMUM, AT ANY LOCATION WHERE THE

ENFORCEMENT SUMMARY

EQUIPMENT CAN BE OPERATED. SUPPLEMENTAL PROVISIONS REQUIRE A SECOND QUALIFIED OPERATOR TO VERIFY CORRECT IMPLEMENTATION OF EQUIPMENT CONTROL PROVISIONS SUCH AS TAGGING AND RETURN TO SERVICE. CONTRARY TO THE ABOVE, THE LICENSEE HAS NOT IMPLEMENTED AN ADEQUATE PROGRAM TO VERIFY THE CORRECT PERFORMANCE OF OPERATING ACTIVITIES. SPECIFIC EXAMPLES OF INEFFECTIVE IMPLEMENTATION INCLUDE: - MAINE YANKEE OPERATIONAL SAFEGUARD YELLOW TAG CONTROL LOG, REVISION 5 DATED OCTOBER 27, 1982 DOES NOT REQUIRE INDEPENDENT VERIFICATION OF THE PROPER INSTALLATION OR REMOVAL OF TEMPORARY MODIFICATIONS. - INDEPENDENT VERIFICATION FOR THE RETURN TO SERVICE OF EQUIPMENT IMPORTANT TO SAFETY IS NOT PERFORMED. ONLY "SAFEGUARD" EQUIPMENT AS CONTRASTED WITH SAFETY RELATED IS INCLUDED WITHIN THE SCOPE OF THE LICENSEE'S PROGRAM. SAFEGUARD VALVES ARE ONLY RECHECKED WITHIN ONE WEEK OF CHANGING THEIR POSITION FOLLOWING MONTHLY SURVEILLANCE TEST PROCEDURE 3.1.2. ADDITIONAL EXAMPLES INCLUDE, PROCEDURE STP 3.15, AUXILIARY FEED PUMP TESTING DOES NOT REQUIRE INDEPENDENT VERIFICATION WHEN THE PUMP DISCHARGE VALVE IS CYCLED CLOSED/OPEN. PROCEDURE 1-11-6 FOR THE CHEMICAL AND VOLUME CONTROL SYSTEM DOES NOT REQUIRE INDEPENDENT VERIFICATION OF LOCKED VALVE ARRANGEMENT WHEN REALIGNING A HIGH PRESSURE SAFETY INJECTION PUMP. INSTRUMENTATION PROCEDURES DO NOT REQUIRE INDEPENDENT VERIFICATION WHEN INSTRUMENT AND ROOT-STOP VALVES ARE RETURNED TO SERVICE. - MAINE YANKEE TAGGING RULES, REVISED JANUARY 12, 1984 DO NOT REQUIRE IDENTIFYING EQUIPMENT AND SYSTEMS IN A CONTROLLED STATUS AT ANY LOCATION (E.G., CONTROL ROOM) WHERE THE EQUIPMENT CAN BE OPERATED. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8402 4)

TECHNICAL SPECIFICATION 5.8 REQUIRES THAT WRITTEN PROCEDURES FOR MAINE YANKEE SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. IN ADDITION TECHNICAL SPECIFICATION 5.8 FURTHER REQUIRES EACH OF THESE PROCEDURES AND CHANGES THERETO, SHALL BE REVIEWED BY THE PORC AND APPROVED BY THE PLANT MANAGER PRIOR TO IMPLEMENTATION. CONTRARY TO THE ABOVE, OPERATIONAL MEMOS PROVIDING OPERATION PROCEDURES AND ANNUNCIATOR PROCEDURES HAVE BEEN ISSUSED AND IMPLEMENTED WITHOUT PORC APPROVAL, AND THE "IN-HOUSE ELECTRICAL DISTRIBUTION BOOK" USED FOR TAGGING ELECTRICAL EQUIPMENT IS NOT CONTROLLED NOR IS IT APPROVED BY THE PORC. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I). THE LICENSEE'S QUALITY ASSURANCE PROG. ALSO COMMITS TO ANSI N45.2,1977 WHICH STATES: "MEASURES SHALL BE ESTABLISHED AND DOCUMENTED TO CONTROL THE ISSUANCE OF DOCU., SUCH AS INSTRUCTIONS, PROCEDURES & DRWNGS, INCL CHANGES THERETO.." IT ALSO STATES IN PART THAT DOCU. CONTROL MEASURES SHALL PROVIDE FOR IDENTIF. OF INDIVIDUALS OR ORGAN. RESPONSIBLE FOR PREPARING, RECVG, APPROVING, & ISSUING DOCUMENTS AND REVISIONS THERETO. LICENSEE PROC. NO. 0-06-2,"PROCEDURE REVIEW, APPROVAL, DISTRIB., & ADHERENCE" STATES IN PART THAT CLASS A PROCEDURES SHALL BE REVIEWED EVERY TWO YEARS. CONTRARY TO ABOVE, ON 3/8/84, THE FOLLOWING DOCUMENTS WERE IDENTIFIED THAT DO NOT COMPLY WITH THE LICENSEE'S COMMITMENTS FOR CONTROLLING CLASS "A" DOCUMENTS. -THE DISTRIBUTION OF A CLASS "A" DOCU. WAS NOT ACCOMPLISHED IN THAT FE'S (CONTROLLED PRINTS FOR IDENTIFYING ELEC LOADS) WERE NOT PROVIDED IN THE CONTROL RM FOR USE IN TAGGING ELEC EQUIP. - A DOCU. USED FOR TAGGING ELEC EQUIP, "IN-HOUSE ELECL. DISTRIB. BOOK" IS NOT CONTROLLED OR APPROVED BY THE PORC OR ANY OTHER ORGANIZ. - THERE IS NO WRITTEN DOCUMENTATION DELINEATING AN INDIV. OR ORGANIZ. RESPONSIBLE FOR REVISING OR REVIEWING "THE TECH. DATA BOOK" WHICH IS USED IN CONJUNCTION WITH THE REACTOR START-UP PROCEDURES, PARTICULARLY, SHEET RE-RS-1.2 WHICH IS THE ESTIMATED CRITICAL POSITION CALCULATION. LACK OF PROCEDURE CONTROL WAS EVIDENCED BY THE INSPECTOR'S IDENTIFICATON OF SEVERAL POCEDURES FOUND IN VARIOUS LOCATIONS WHICH WERE NOT IN USE. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I).
(8402 5)

CONTAINS SAFEGUARDS INFORMATION - NOT FOR PUBLICDISCLOSURE.

(8412 4)

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.			

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1. Docket: 50-369 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-8552

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	24,119.0
13. Hours Reactor Critical	708.6	4,083.3	16,611.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	704.5	4,019.9	15,969.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,370,549	13,063,817	40,500,886
18. Gross Elec Ener (MWH)	813,620	4,558,996	14,076,120
19. Net Elec Ener (MWH)	782,638	4,365,134	13,321,389
20. Unit Service Factor	94.7	68.7	66.2
21. Unit Avail Factor	94.7	68.7	66.2
22. Unit Cap Factor (MDC Net)	89.1	63.2	46.8
23. Unit Cap Factor (DER Net)	89.1	63.2	46.8
24. Unit Forced Outage Rate	5.3	5.1	17.1
25. Forced Outage Hours	39.5	214.4	3,299.9

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

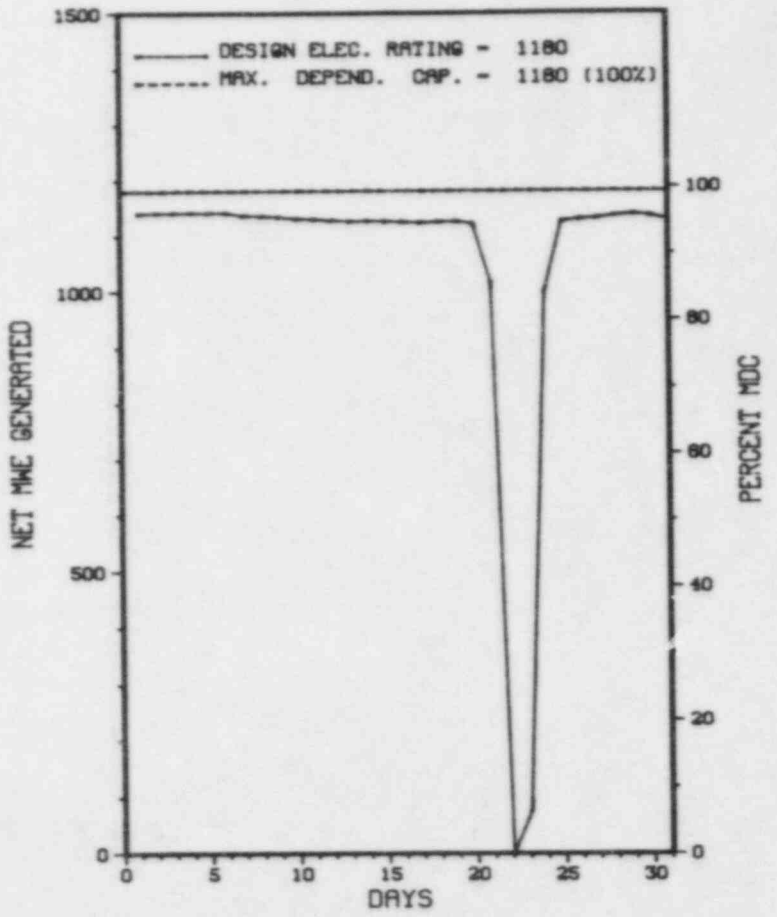
REFUELING - FEBRUARY 7, 1985 - 8 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	08/21/84	F	39.5	A	3		EA	INSTRU	BREAKERS OF 230KV SWITCHYARD WERE OPENED DURING COMPUTER WORK.
32-P	08/23/84	F	0.0	A	5		HI	HTEXCH	SECONDARY CHEMISTRY REQUIREMENTS.

****
* SUMMARY *
****

MCGUIRE 1 OPERATED WITH 1 REDUCTION AND 1 OUTAGE DURING AUGUST.

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 1 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1981

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 30 - AUGUST 8 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF INSERVICE INSPECTION-REVIEW AND EVALUATION OF RECORDS; OBSERVATION OF UNIT 2 COOLANT PUMP "2A" NUMBER 1 SEAL REPLACEMENT; AND TWO-INCH DECAY HEAT (ND) PIPE BREAK AND PIPE SUPPORT FAILURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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

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: JULY 30 - AUGUST 8, 1984 +

INSPECTION REPORT NO: 50-369/84-22 +

REPORTS FROM LICENSEE

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

1. Docket: 50-370 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 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	4,415.0	4,415.0
13. Hours Reactor Critical	199.0	3,455.3	3,455.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	196.8	3,431.1	3,431.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	614,384	11,296,013	11,296,013
18. Gross Elec Ener (MWH)	217,617	4,017,748	4,017,748
19. Net Elec Ener (MWH)	201,614	3,856,769	3,856,769
20. Unit Service Factor	26.5	77.7	77.7
21. Unit Avail Factor	26.5	77.7	77.7
22. Unit Cap Factor (MDC Net)	23.0	74.0	74.0
23. Unit Cap Factor (DER Net)	23.0	74.0	74.0
24. Unit Forced Outage Rate	73.5	20.7	20.7
25. Forced Outage Hours	547.2	897.3	897.3

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

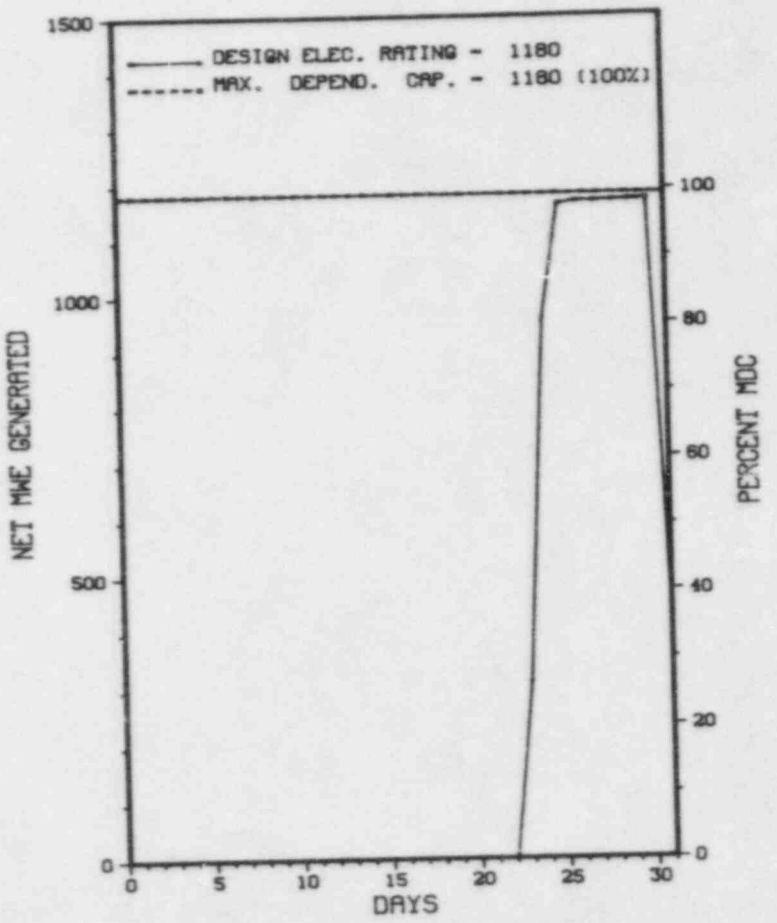
MAINTENANCE OUTAGE - 12/01/84 - 4 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

MCGUIRE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11A	07/29/84	F	181.0	A	4		CB	PUMPXX	REPLACE LEAKING REACTOR COOLANT PUMP SEAL.
11B	08/08/84	F	282.3	A	9		CF	HTEXCH	RESIDUAL HEAT REMOVAL LETDOWN HEAT EXCHANGER PIPE REPAIRS.
11C	08/20/84	F	38.6	A	9		SF	ACCUMU	REACTOR COOLANT SYSTEM LEAK THRU UPPER HEAD INJECTION VENT LINE.
11D	08/21/84	F	30.6	A	3		IA	HTEXCH	REACTOR TRIP FROM MODE 3 ON STEAM GENERATOR LO LO LEVEL (REACTOR NOT CRITICAL).
41-P	08/24/84	F	0.0	A	5		HI	HTEXCH	STEAM GENERATOR CHEMISTRY PROBLEMS.
42-P	08/24/84	F	0.0	A	5		HI	HTEXCH	STEAM GENERATOR CHEMISTRY PROBLEMS.
43-P	08/29/84	F	0.0	A	5		HA	TURBIN	HIGH TURBINE BEARING VIBRATION.
12	08/31/84	F	14.7	G	3		ZZ	ZZZZZZ	TECHNICIAN WORKED ON WRONG CONNECTION DURING PROTECTION CABINET TESTING.

SUMMARY

MCGUIRE 2 OPERATED WITH 5 OUTAGES AND 3 REDUCTIONS IN AUGUST.

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

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 8, 1983

DATE ELEC ENER 1ST GENER...MAY 23, 1983

DATE COMMERCIAL OPERATE....MARCH 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE..... .DUKE POWER

CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....R. BIRKEL
DOCKET NUMBER.....50-370

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

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UNCC STATION,
CHARLOTTE, NC 28223

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 30 - AUGUST 8 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF INSERVICE INSPECTION-REVIEW AND EVALUATION OF RECORDS; OBSERVATION OF UNIT 2 COOLANT PUMP "2A" NUMBER 1 SEAL REPLACEMENT; AND TWO-INCH DECAY HEAT (ND) PIPE BREAK AND PIPE SUPPORT FAILURES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ SHUTDOWN FOR REPAIR OF STEAM GENERATOR BLOWDOWN VALVE, REACTOR COOLANT PUMP SEAL REPLACEMENT AND REPLACEMENT OF TWO-INCH RESIDUAL HEAT REMOVAL SYSTEM (ND) PIPE SECTIONS. RETURNED TO POWER OPERATION ON AUGUST 22, 1984.

LAST IE SITE INSPECTION DATE: JULY 30 - AUGUST 8, 1984 +

INSPECTION REPORT NO: 50-370/84-19 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-014	06/09/84	07/09/84	COMMERCIAL GRADE LIMITORQUE ACTUATORS INSTALLED

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

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: GEORGE HARRAN (203) 447-1791 X4194

4. Licensed Thermal Power (MWt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	120,599.0
13. Hours Reactor Critical	744.0	4,061.2	90,825.7
14. Rx Reserve Shtdwn Hrs	.0	.0	2,775.8
15. Hrs Generator On-Line	702.5	3,990.3	88,007.5
16. Unit Reserve Shtdwn Hrs	.0	.0	26.5
17. Gross Therm Ener (MWH)	1,203,671	7,581,367	160,630,235
18. Gross Elec Ener (MWH)	404,800	2,579,300	53,942,496
19. Net Elec Ener (MWH)	385,280	2,454,541	51,435,798
20. Unit Service Factor	94.4	68.2	73.0
21. Unit Avail Factor	94.4	68.2	73.0
22. Unit Cap Factor (MDC Net)	79.2	64.1	65.2
23. Unit Cap Factor (DER Net)	78.5	63.5	64.6
24. Unit Forced Outage Rate	5.6	1.0	13.5
25. Forced Outage Hours	41.5	41.5	5,715.2

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

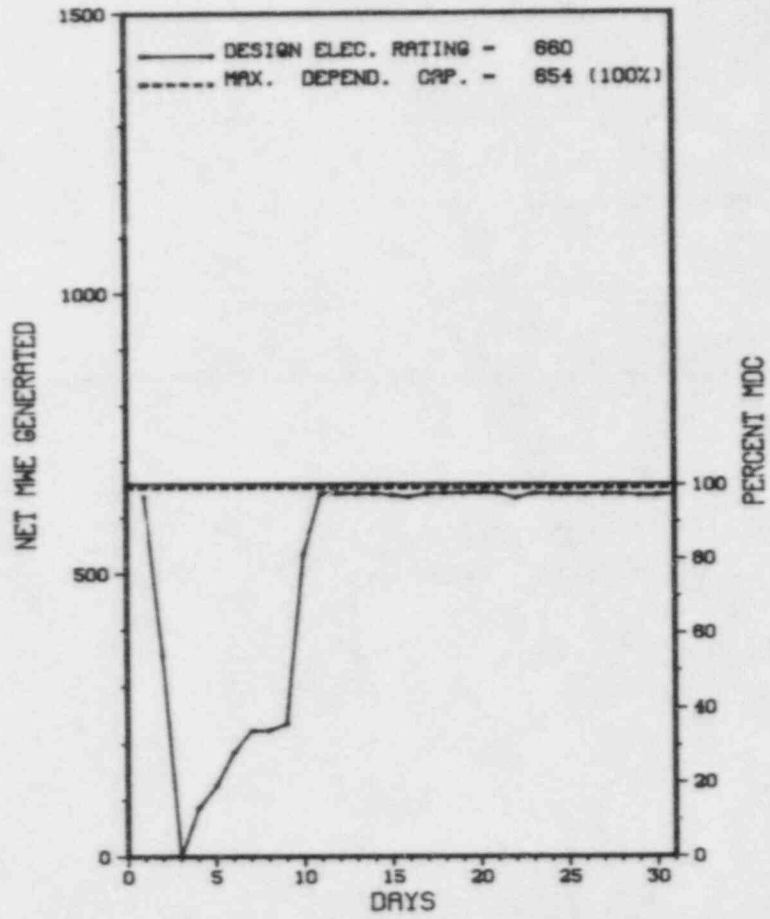
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	08/02/84	F	41.5	B	1				REDUCED POWER TO < 1% REACTOR POWER TO ENTER THE DRYWELL TO FIND THE CAUSE OF AN INCREASING DRYWELL LEAK RATE. THE LEAK WAS FOUND TO BE A PACKING LEAK ON THE RECIRCULATION SYSTEM RISER INSTRUMENT VALVE.

****
* SUMMARY *
****

MILLSTONE 1 OPERATED WITH 1 OUTAGE FOR MAINTENANCE IN AUGUST.

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 AUG 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

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES SHALL BE ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. STATION PROCEDURE SHP 4912, RADIATION WORK PERMIT (RWP) COMPLETION AND FLOW CONTROL, REVISION 4, REQUIRES THAT WORKERS ARE RESPONSIBLE FOR UNDERSTANDING AND FOLLOWING RWP INSTRUCTION; THAT A DIFFERENT RWP BE WRITTEN FOR EACH EVOLUTION, EVEN THOUGH THEY OCCUR IN THE SAME AREA; AND THAT HEALTH PHYSICS SIGNIFY THAT ADEQUATE RADIATION CONTROLS HAVE BEEN ESTABLISHED AND ARE (OR WILL BE) IN EFFECT FOR THE RWP. CONTRARY TO THE ABOVE: ON MAY 11, 1984, PERSONNEL PERFORMING CARPENTRY WORK ON SCAFFOLDING IN THE REACTOR BUILDING SOUTHWEST ECCS CORNER ROOM PERFORMED THE WORK UNDER RWP 402788 WHICH HAD BEEN DEVELOPED TO COVER REPLACEMENT OF PIPING SPRING CAN HANGERS BY GRINDING AND WELDING. FURTHER, THE WORKERS DID NOT COMPLY WITH THE PROTECTIVE CLOTHING REQUIREMENTS OF RWP 402788. EIGHT DIFFERENT JOBS INVOLVING RADIOLOGICAL OPERATIONS WERE CONDUCTED UNDER RWP 2103584 FROM MAY 27 THROUGH JUNE 1984. A SEPARATE RWP WAS NOT WRITTEN FOR EACH JOB. THE EIGHT JOBS WERE SUFFICIENTLY UNIQUE TO BE DEEMED AS DIFFERENT "EVOLUTIONS." UNAUTHORIZED ACCESS BY LICENSEE INTO THE PROTECTED AREA.
(8411 4)

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR RADIATION PROTECTION BE ESTABLISHED, IMPLEMENTED AND ADHERED TO . RADIATION PROTECTION PROCEDURE SHP4912, REVISION 4, STATES IN SECTION 6.5, "THE DESCRIPTION OF WORK SPECIFIED ON THE RWP SHALL PRECISELY DESCRIBE ALL THE WORK ACTIVITIES WHICH MAY OCCUR. WORK ACTIVITIES NOT DESCRIBED SHALL NOT BE ALLOWED ON THE RWP." CONTRARY TO THE ABOVE, ON MAY 2, 1984, MAIN STEAM LINE PLUG REPAIR, A WORK ACTIVITY NOT DESCRIBED ON RWP NO. 402172, DATED APRIL 29, 1984, WAS ALLOWED TO BE PERFORMED UNDER THIS RWP. THE RWP WAS WRITTEN FOR "REACTOR DISASSEMBLY/ASSEMBLY AND CHEMICAL FLUSH." PERSONNEL PERFORMING THE PLUG REPAIR SUSTAINED UNNECESSARY INTAKES OF RADIOACTIVE MATERIAL. 10 CFR 20.103 (B) (2) REQUIRES, IN PART, THAT WHENEVER THE INTAKE OF RADIOACTIVE MATERIAL BY ANY INDIVIDUAL EXCEEDS THE 40-HOUR CONTROL MEASURE SPECIFIED THEREIN, THE LICENSEE SHALL MAKE SUCH EVALUATION AND TAKE SUCH ACTIONS AS ARE NECESSARY TO ASSURE AGAINST RECURRENCE. CONTRARY TO THE ABOVE, ON MAY 2, 1984 ON INDIVIDUAL, REPAIRING A MAIN STEAM LINE PLUG, SUSTAINED AN INTAKE OF RADIOACTIVE MATERIAL IN EXCESS OF THE 40-HOUR CONTROL MEASURE AND ADEQUATE CORRECTIVE ACTION TO ASSURE AGAINST RECURRENCE WAS NOT TAKEN.
(8413 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: 50-336 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: R. BORCHERT (203) 447-1791 X4418
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910
6. Design Electrical Rating (Net MWe): 870
7. Maximum Dependable Capacity (Gross MWe): 895
8. Maximum Dependable Capacity (Net MWe): 860
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	76,127.0
13. Hours Reactor Critical	744.0	5,731.9	54,096.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,166.9
15. Hrs Generator On-Line	744.0	5,429.1	51,611.0
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	1,995,846	14,000,111	130,316,487
18. Gross Elec Ener (MWH)	630,800	4,505,001	42,302,373
19. Net Elec Ener (MWH)	607,738	4,327,526	40,544,274
20. Unit Service Factor	100.0	92.7	67.8
21. Unit Avail Factor	100.0	92.7	68.4
22. Unit Cap Factor (MDC Net)	95.0	85.9	63.3*
23. Unit Cap Factor (DER Net)	93.9	85.0	62.5*
24. Unit Forced Outage Rate	.0	3.1	17.7
25. Forced Outage Hours	.0	173.4	9,796.2

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

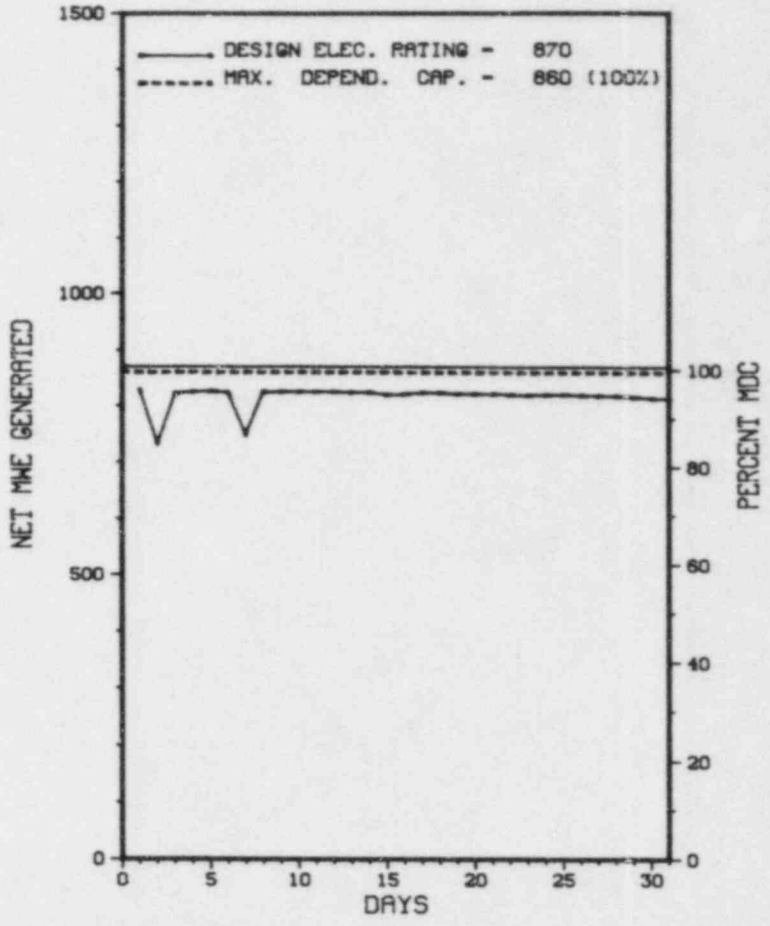
REFUELING & MAINTENANCE OUTAGE: 02/85 - 4 MONTHS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	08/02/84	F	0.0	A	5		AA	ROD	WHILE AT 100% POWER AND DURING CEA POWER SUPPLY MEASUREMENT, CEA DROPPED INTO CORE. POWER WAS REDUCED TO < 70% POWER AND CEA WAS RECOVERED.

****
* SUMMARY *
****

MILLSTONE 2 OPERATED WITH 1 REDUCTION FOR EQUIPMENT FAILURE DURING AUGUST.

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 AUG 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

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ROUTE 156
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO PERFORM SEMIANNUAL SURVEILLANCE TESTING ON SMOKE DETECTORS (UNIT 2) TECHNICAL SPECIFICATION (TS) 4.3.3.7.1 REQUIRES THAT FIRE DETECTION INSTRUMENTS SHALL BE DEMONSTRATED OPERABLE ONCE PER 6 MONTHS BY PERFORMANCE OF A CHANNEL FUNCTIONAL TEST. THE LICENSEE COULD NOT PROVIDE THE INSPECTOR WITH DOCUMENTARY EVIDENCE THAT THIS 6 MONTH TESTING FREQUENCY OF THE FIRE DETECTION INSTRUMENTS WAS MAINTAINED DURING THE PERIOD BETWEEN MARCH 83 AND MAY 84. THE INSPECTOR DETERMINED THAT THE 6 MONTH SURVEILLANCE TESTING REQUIRED WAS NOT PERFORMED. THIS IS A VIOLATION OF T.S. 4.3.3.7.1.

SWITCH GEAR BATTERY ROOM A AND B FIRE BARRIER WALLS HAVE UNSEALED PENETRATIONS. 10 CFR 50 APPENDIX R REQUIRES THAT 3 HOUR FIRE BARRIERS SYSTEMS BE INSTALLED AS NECESSARY TO PROTECT REDUNDANT SYSTEMS AND COMPONENTS NECESSARY FOR SAFE SHUT DOWN.CONTRARY TO THE ABOVE, THE 3 HOUR FIRE BARRIER WALLS INSTALLED TO PROTECT THE REDUNDANT SWITCH GEAR BATTERY ROOMS A AND B NECESSARY FOR SAFE SHUT DOWN, CONTAIN UNSEALED PENETRATIONS, THAT DO NOT MEET THE 3 HOUR FIRE RATING. THIS IS A VIOLATION OF APPENDIX R REQUIREMENTS.
(8415 4)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-263 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: A. L. Myrabo (612) 295-5151
4. Licensed Thermal Power (MWt): 1670
5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569
6. Design Electrical Rating (Net MWe): 545
7. Maximum Dependable Capacity (Gross MWe): 553
8. Maximum Dependable Capacity (Net MWe): 525
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	115,464.0
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)	-1,274	271,865	43,184,171
20. Unit Service Factor	.0	13.8	76.2
21. Unit Avail Factor	.0	13.8	76.2
22. Unit Cap Factor (MDC Net)	.0	8.8	71.2
23. Unit Cap Factor (DER Net)	.0	8.5	68.6
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):

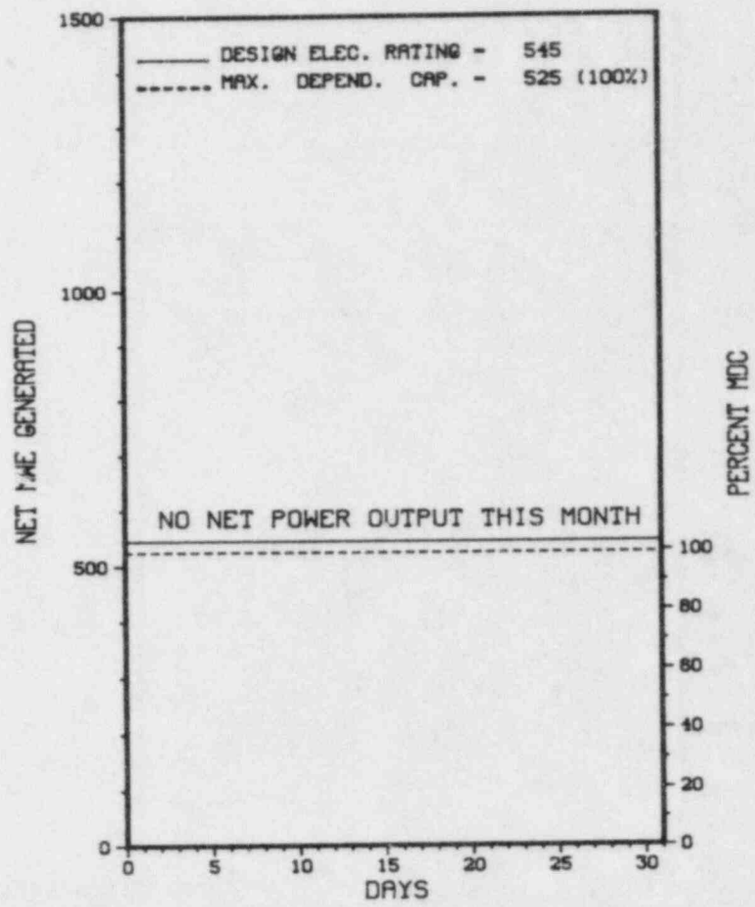
NONE

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

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



AUGUST 1984

Report Period AUG 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		ZZ	ZZZZZZ	CONTINUATION OF 1984 REFUELING OUTAGE.

****
* SUMMARY *
****

MONTICELLO 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)

****
* MONTICELLO *
****

FACILITY DATA

Report Period AUG 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

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MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 17 - JULY 7, (84-12): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF ONSITE REVIEW COMMITTEE; PROCEDURES; RECIRCULATION VESSEL RISER; AND LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 60 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 25-29, (84-14): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING A MAJOR OUTAGE. ACTIVITIES REVIEWED INCLUDED AUDITS AND APPRAISALS, CHANGES, PLANNING AND PREPARATION, TRAINING AND QUALIFICATION OF NEW PERSONNEL, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, AND ALARA. ALSO REVIEWED WERE THE STATUS OF CERTAIN NUREG-0737 TASK ITEMS, IE INFORMATION NOTICES, AND LICENSEE ACTION INVOLVING A RADIOACTIVE WASTE SHIPMENT WHICH CONTAINED LIQUID. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (SOLID RADWASTE CONTAINING FREE STANDING LIQUID).

ENFORCEMENT SUMMARY

10 CFR 30.41 PROHIBITS THE TRANSFER OF BYPRODUCT MATERIAL EXCEPT AS AUTHORIZED THEREIN. TRANSFERS TO NONGOVERNMENTAL TRANFERORS MUST BE TO PERSONS EITHER EXEMPTED FROM LICENSING REQUIREMENTS OR AUTHORIZED TO RECEIVE SUCH BYPRODUCT MATERIAL UNDER TERMS OF A

ENFORCEMENT SUMMARY

LICENSE ISSUED BY THE AEC, NRC, OR AN AGREEMENT STATE. SECTION 27A OF LICENSE NO. WN-1019-2 ISSUED TO U.S. ECOLOGY, INC. BY THE STATE OF WASHINGTON REQUIRES THAT ALL LIQUIDS RECEIVED BE ABSORBED OR SOLIDIFIED, WITH FREE STANDING LIQUID LESS THAN 0.5 PERCENT BY VOLUME. CONTRARY TO THE ABOVE, A PACKAGE CONTAINING APPROXIMATELY 0.75 PERCENT BY VOLUME FREE STANDING LIQUID WAS SHIPPED FROM THE MONTICELLO NUCLEAR GENERATING STATION AND RECEIVED AT THE U.S. ECOLOGY, INC. HANFORD, WASHINGTON BURIAL SITE ON APRIL 19, 1984.
(8414 4)

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: SEPTEMBER 30 - NOVEMBER 3, 1984

INSPECTION REPORT NO: 84-20

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-20	05/30/84	08/10/84	SBGTS INITIATION FROM REACTOR BLDG VENT. WRGM TRIP.
84-25	07/15/84	08/14/84	START OF NO. 11 EDG WHILE ISOLATING NO. 16 BUS.

1. Docket: 50-220 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: THOMAS W. ROMAN (315) 349-2422
4. Licensed Thermal Power (MWt): 1850
5. Nameplate Rating (Gross MWe): 755 X 0.85 = 642
6. Design Electrical Rating (Net MWe): 620
7. Maximum Dependable Capacity (Gross MWe): 630
8. Maximum Dependable Capacity (Net MWe): 610
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	130,031.0
13. Hours Reactor Critical	744.0	3,569.0	89,871.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,204.2
15. Hrs Generator On-Line	744.0	3,506.5	86,994.6
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	1,353,699	6,064,082	144,158,439
18. Gross Elec Ener (MWH)	442,840	2,021,484	47,653,266
19. Net Elec Ener (MWH)	428,905	1,959,003	46,153,762
20. Unit Service Factor	100.0	59.9	66.9
21. Unit Avail Factor	100.0	59.9	66.9
22. Unit Cap Factor (MDC Net)	94.5	54.9	58.2
23. Unit Cap Factor (DER Net)	93.0	54.0	57.2
24. Unit Forced Outage Rate	.0	.0	16.8
25. Forced Outage Hours	.0	.0	12,940.9

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

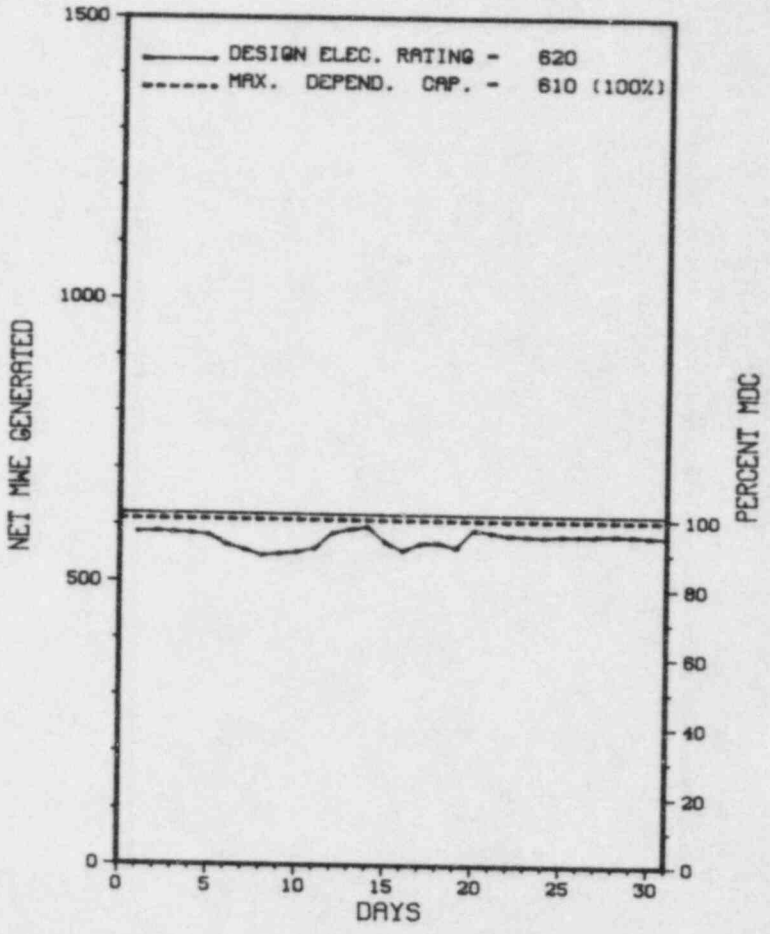
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

NINE MILE POINT 1 OPERATED ROUTINELY DURING AUGUST.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. HUDSON

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

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

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OSWEGO, NY 13126
(315) 341-2323

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5.2.8.C REQUIRES THAT ONCE PER SIX MONTHS AUDITS BE PERFORMED UNDER THE COGNIZANCE OF THE SRAB, ENCOMPASSING THE RESULTS OF ALL ACTIONS TAKEN TO CORRECT DEFICIENCIES OCCURING IN FACILITY EQUIPMENT, STRUCTURES, SYSTEMS, OR METHODS OF OPERATIONS THAT EFFECT NUCLEAR SAFETY. CONTRARY TO THE ABOVE, THE SRAB DEFICIENCY AUDIT DATED FEB 13, 1984 PERFORMED TO SATISFY THIS TECHNICAL SPECIFICATION, ONLY ADDRESSED DEFICIENCIES IDENTIFIED IN OTHER SRAB AUDITS. THE AUDIT DID NOT ADDRESS NONCONFORMANCES, AUDIT AND SURVEILLANCE FINDINGS, OCCURENCE REPORTS AND LER'S AND THE CORRECTIVE MAINTENANCE SYSTEM. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(3409 4)

OTHER ITEMS

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

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 937

8. Maximum Dependable Capacity (Net MWe): 890

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

CHANGES IN GROSS AND NET

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	54,696.0
13. Hours Reactor Critical	.0	2,442.3	36,029.4
14. Rx Reserve Shtdwn Hrs	.0	7.1	2,182.8
15. Hrs Generator On-Line	.0	2,420.0	35,081.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	6,596,736	91,652,513
18. Gross Elec Ener (MWH)	0	2,238,267	29,622,453
19. Net Elec Ener (MWH)	0	2,126,605	27,957,819
20. Unit Service Factor	.0	41.3	64.1
21. Unit Avail Factor	.0	41.3	64.1
22. Unit Cap Factor (MDC Net)	.0	41.0	57.4
23. Unit Cap Factor (DER Net)	.0	40.0	56.4
24. Unit Forced Outage Rate	.0	23.7	13.4
25. Forced Outage Hours	.0	752.2	5,320.4

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

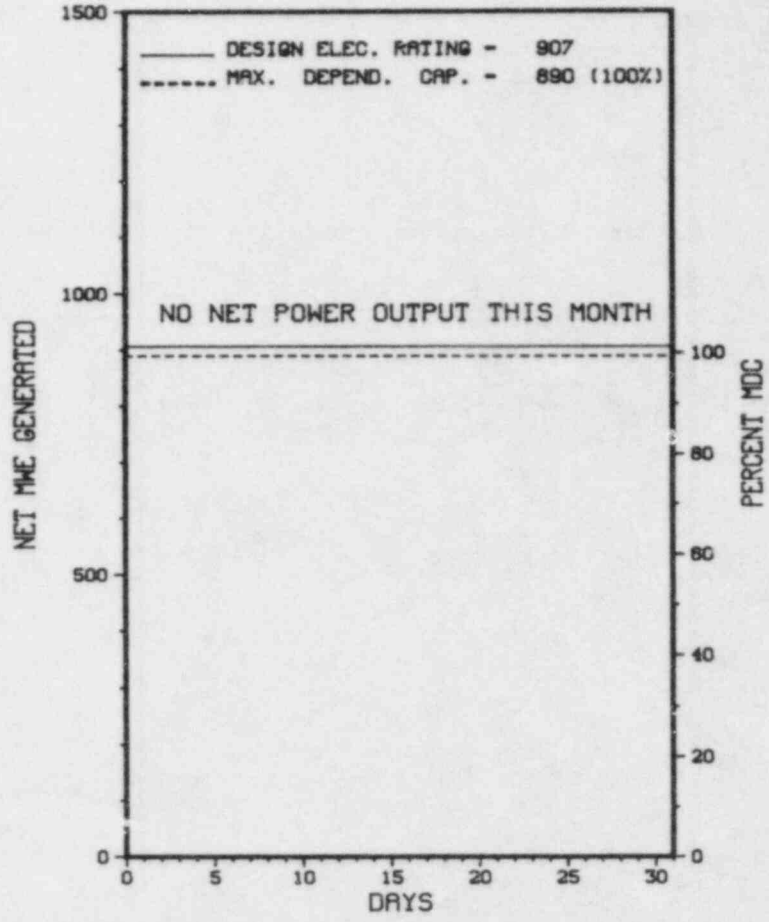
FALL MAINTENANCE, 11-23-84 - SCHEDULED 10 DAYS

27. If Currently Shutdown Estimated Startup Date: 09/19/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

NORTH ANNA 1 REMAINS SHUT DOWN FOR REFUELING.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 5, 1978

DATE ELEC ENER 1ST GENER...APRIL 17, 1978

DATE COMMERCIAL OPERATE....JUNE 6, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. JOHNSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 6 - AUGUST 5 (84-27): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 105.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE, SURVEILLANCE, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS, ESF WALKDOWNS, OFF-SITE REVIEW ORGANIZATION, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED IN THE ESF WALKDOWN AREA DISCUSSED IN PARAGRAPH 8.

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

INSPECTION AUGUST 6-10 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (FOUR HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION-RESPONSE; PHYSICAL BARRIERS - PROTECTED AREA (PA) AND VITAL AREA (VA); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PA AND VA; ALARM STATIONS AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.C REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT. CONTRARY TO THE ABOVE, ON JUNE 12, 1984, EMP-P-RT-30 "PROTECTIVE RELAY MAINTENANCE FOR BREAKER 15H2 EMERGENCY SUPPLY TO BUS '1H' AND EMP-P-RT-38" PROTECTIVE RELAY MAINTENANCE FOR BUS '1H' WERE NOT FOLLOWED IN THAT, NUMEROUS STEPS IN THESE PROCEDURES WERE NOT SIGNED AS VERIFIED OR COMPLETED. THE FAILURE OF THE LICENSEE'S AUTHORIZATION AND CONTROL PERSONNEL TO FOLLOW PROCEDURES IS A REPEAT VIOLATION.
(8419 4)

TECHNICAL SPECIFICATION 3.3.3.10(3.3.3.9 - UNIT 2) REQUIRES THAT WITH LESS THAN THE MINIMUM NUMBER OF RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION CHANNELS OPERABLE, FOR REASONS OTHER THAN AN ALARM/TRIP SETPOINT LESS CONSERVATIVE THAN REQUIRED, ACTION 26 OF TABLE 3.3-13 MUST BE TAKEN. THIS REQUIRES 12 HOUR GRAB SAMPLES DURING DISCHARGE. CONTRARY TO THE ABOVE, WITH RM SW 108 INOPERABLE DURING THE PERIOD JULY 2-9, 1984, AND SERVICE WATER BEING DISCHARGED TO LAKE ANNA, THE 12 HOUR GRAB SAMPLES REQUIRED BY ACTION 26 OF TABLE 3.3-13 WERE NOT OBTAINED.
(8427 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

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

INSPECTION REPORT NO: 50-338/84-31 +

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: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527
4. Licensed Thermal Power (MWt): 2775
5. Nameplate Rating (Gross MWe): 947
6. Design Electrical Rating (Net MWe): 907
7. Maximum Dependable Capacity (Gross MWe): 939
8. Maximum Dependable Capacity (Net MWe): 890
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	32,567.0
13. Hours Reactor Critical	47.8	4,814.3	24,461.2
14. Rx Reserve Shtdwn Hrs	.0	14.6	2,254.6
15. Hrs Generator On-Line	47.8	4,714.5	23,992.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	122,483	12,215,461	62,636,491
18. Gross Elec Ener (MWH)	40,335	4,026,505	20,762,872
19. Net Elec Ener (MWH)	38,076	3,812,318	19,664,400
20. Unit Service Factor	6.4	80.5	73.7
21. Unit Avail Factor	6.4	80.5	73.7
22. Unit Cap Factor (MDC Net)	5.8	73.2	67.8
23. Unit Cap Factor (DER Net)	5.6	71.8	66.6
24. Unit Forced Outage Rate	.0	3.1	13.0
25. Forced Outage Hours	.0	148.6	3,596.1

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

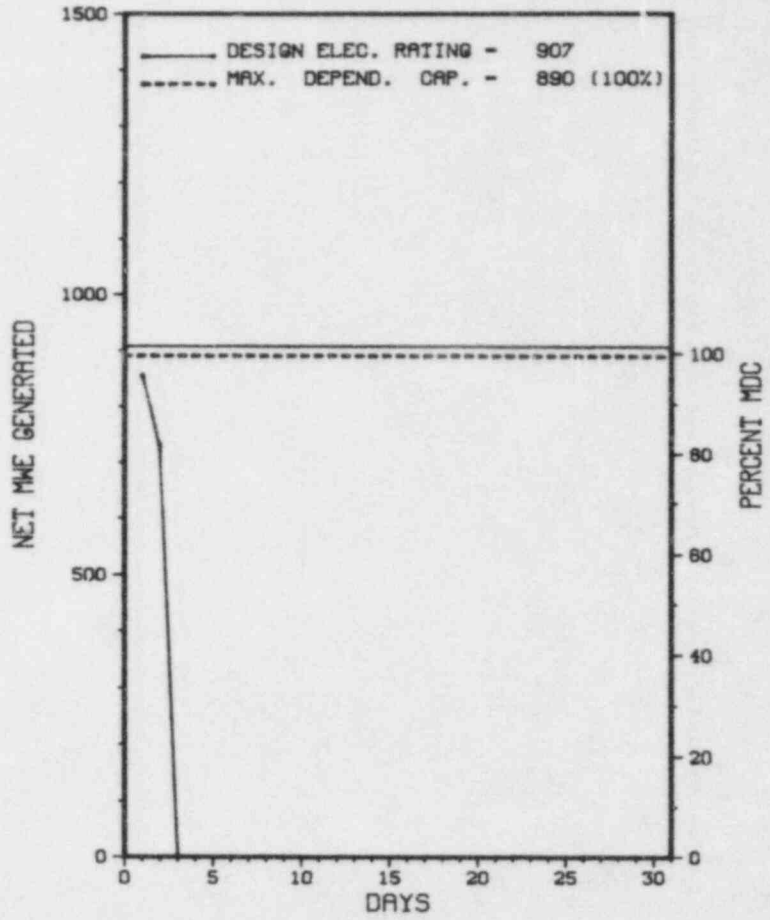
SPRING MAINTENANCE: MAY 24, 1985 - 10 DAYS

27. If Currently Shutdown Estimated Startup Date: 10/23/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-34	08/02/84	S	696.2	C	1	006			UNIT 2 RAMPED DOWN DUE TO APPLICATION OF UNQUALIFIED PROTECTIVE COATING ON CONTAINMENT VENTILATION DUCTWORK. UNIT 2 REMAINED OFF LINE FOR SCHEDULED REFUELING OUTAGE. ENDED THIS MONTH WITH UNIT 2 IN MODE 6.

SUMMARY

NORTH ANNA 2 EXPERIENCED 1 SHUTDOWN IN AUGUST AND REMAINS SHUT DOWN FOR REFUELING.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 12, 1980

DATE ELEC ENER 1ST GENER...AUGUST 25, 1980

DATE COMMERCIAL OPERATE....DECEMBER 14, 1980

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. JOHNSON

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339

LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980

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

INSPECTION STATUS

INSPECTION SUMMARY

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

INSPECTION JULY 6 - AUGUST 5 (84-27): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 105.5 INSPECTOR-HOURS ONSITE IN THE AREAS OF MAINTENANCE, SURVEILLANCE, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS, ESF WALKDOWNS, OFF-SITE REVIEW ORGANIZATION, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, ONE VIOLATION AND ONE DEVIATION WERE IDENTIFIED IN THE ESF WALKDOWN AREA DISCUSSED IN PARAGRAPH 8.

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

INSPECTION AUGUST 6-10 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (FOUR HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION-RESPONSE; PHYSICAL BARRIERS - PROTECTED AREA (PA) AND VITAL AREA (VA); SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PA AND VA; ALARM STATIONS AND COMMUNICATIONS. 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:

REFUELING.

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

INSPECTION REPORT NO: 50-339/84-31 +

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: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	97,560.0
13. Hours Reactor Critical	744.0	5,830.1	70,371.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,822.0	67,211.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,919,527	14,920,393	161,218,425
18. Gross Elec Ener (MWH)	660,700	5,218,490	56,086,720
19. Net Elec Ener (MWH)	629,976	4,990,648	53,156,199
20. Unit Service Factor	100.0	99.4	68.9
21. Unit Avail Factor	100.0	99.4	68.9
22. Unit Cap Factor (MDC Net)	98.5	99.1	63.2*
23. Unit Cap Factor (DER Net)	95.5	96.1	61.5*
24. Unit Forced Outage Rate	.0	.6	16.2
25. Forced Outage Hours	.0	35.0	12,080.6

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

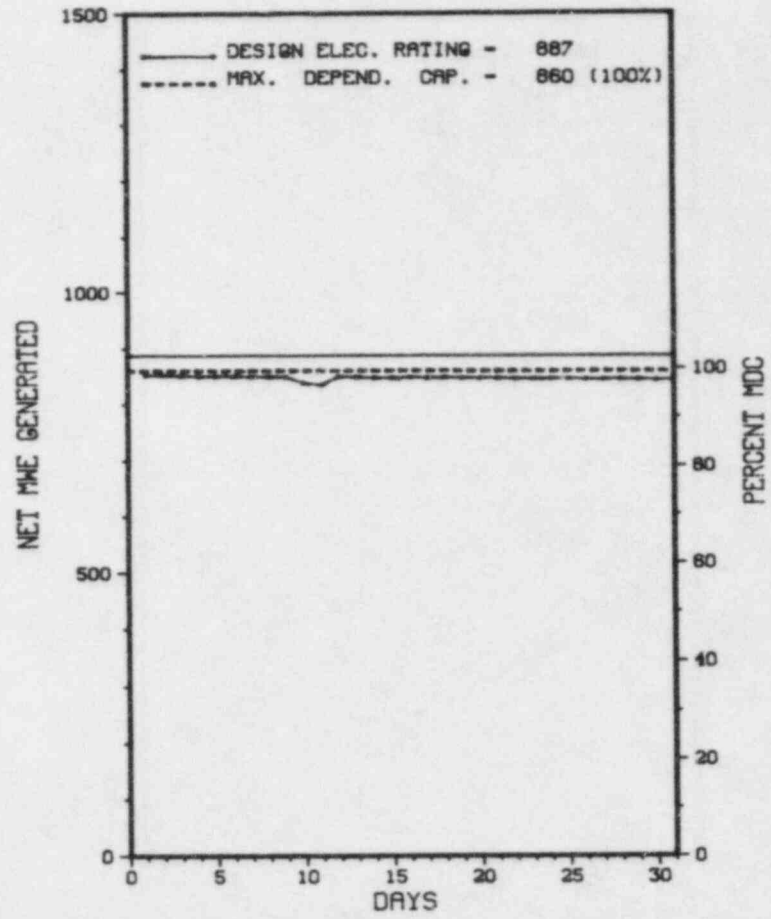
REFUELING - OCTOBER 5, 1984 - 7 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13-P	08/10/84	S	0.0	B	5		CC	VALVEX	CONTROL AND STOP VALVE PT'S.
14-P	08/11/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.

****
* SUMMARY *
****

OCONEE 1 OPERATED ROUTINELY IN AUGUST WITH NO SHUTDOWNS REPORTED.

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

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

FACILITY DATA

Report Period AUG 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...APRIL 19, 1973

DATE ELEC ENER 1ST GENER...MAY 6, 1973

DATE COMMERCIAL OPERATE....JULY 15, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-269

LICENSE & DATE ISSUANCE....DPR-38, FEBRUARY 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-20 (84-17): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 12 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 30-AUGUST 3 (84-18): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID WASTE SYSTEMS; RADIOLOGICAL EFFLUENT ACCOUNTABILITY; AND REACTOR COOLANT, SECONDARY WATER, AND RADIOLOGICAL ENVIRONMENTAL TECHNICAL SPECIFICATION REQUIREMENTS. 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:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JULY 30 - AUGUST 3, 1984 +

INSPECTION REPORT NO: 50-269/84-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-270 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-7567
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934
6. Design Electrical Rating (Net MWe): 887
7. Maximum Dependable Capacity (Gross MWe): 899
8. Maximum Dependable Capacity (Net MWe): 860
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	87,480.0
13. Hours Reactor Critical	744.0	5,855.0	63,168.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,855.0	62,015.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1 905,476	14,983,497	147,474,163
18. Gross Elec Ener (MWH)	644,650	5,157,330	50,262,186
19. Net Elec Ener (MWH)	616,022	4,944,195	47,755,764
20. Unit Service Factor	100.0	100.0	70.9
21. Unit Avail Factor	100.0	100.0	70.9
22. Unit Cap Factor (MDC Net)	96.3	98.2	63.3*
23. Unit Cap Factor (DER Net)	93.3	95.2	61.6*
24. Unit Forced Outage Rate	.0	.0	15.2
25. Forced Outage Hours	.0	.0	10,256.1

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

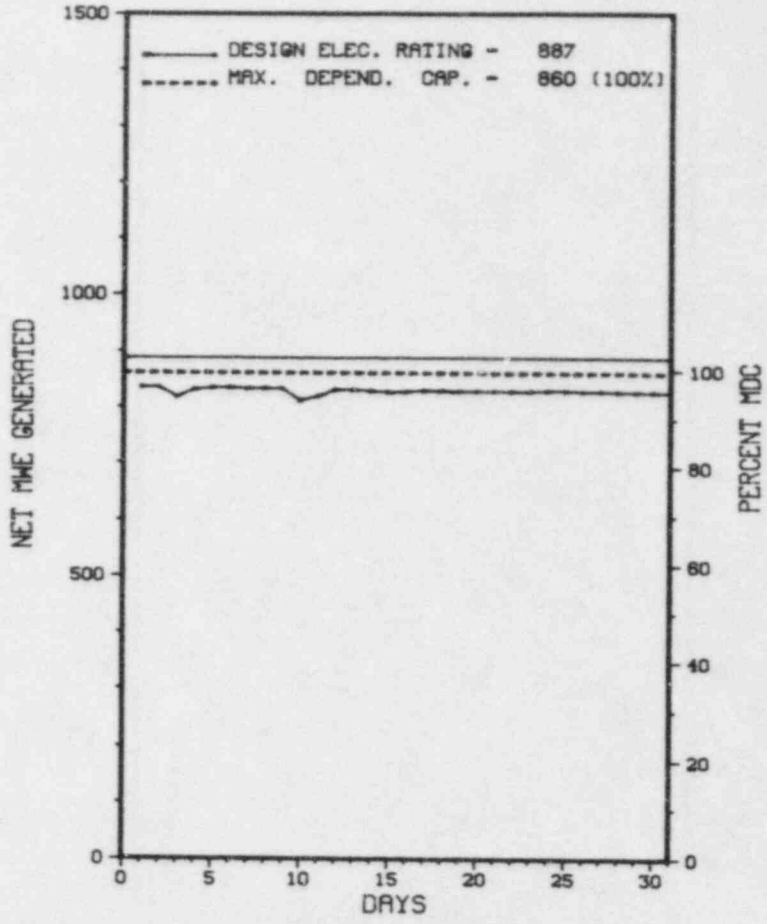
REFUELING - FEBRUARY 28, 1985 - 9 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10-P	08/03/84	S	0.0	B	5		RB	CONROD	CONTROL ROD DRIVE MOVEMENT PT'S.
11-P	08/10/84	S	0.0	B	5		CC	VALVEX	STOP AND CONTROL VALVE MOVEMENT PT'S.
12-P	08/10/84	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH REDUCTION.

SUMMARY

OCONEE 2 OPERATED ROUTINELY IN AUGUST WITH NO SHUTDOWNS REPORTED.

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)

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

FACILITY DATA

Report Period AUG 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 JULY 16-20 (84-16): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 30-AUGUST 3 (84-17): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID WASTE SYSTEMS; RADIOLOGICAL EFFLUENT ACCOUNTABILITY; AND REACTOR COOLANT, SECONDARY WATER, AND RADIOLOGICAL ENVIRONMENTAL TECHNICAL SPECIFICATION REQUIREMENTS. 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:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 30 - AUGUST 3, 1984 +

INSPECTION REPORT NO: 50-270/84-17 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-287 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	85,127.0
13. Hours Reactor Critical	698.8	3,906.6	60,616.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	695.5	3,867.4	59,450.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,776,953	9,636,403	145,128,966
18. Gross Elec Ener (MWH)	610,600	3,324,570	50,139,164
19. Net Elec Ener (MWH)	582,363	3,171,331	47,738,449
20. Unit Service Factor	93.5	66.1	69.8
21. Unit Avail Factor	93.5	66.1	69.8
22. Unit Cap Factor (MDC Net)	91.0	63.0	65.0*
23. Unit Cap Factor (DER Net)	88.2	61.1	63.3*
24. Unit Forced Outage Rate	6.5	2.1	14.5
25. Forced Outage Hours	48.5	84.3	10,226.3

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

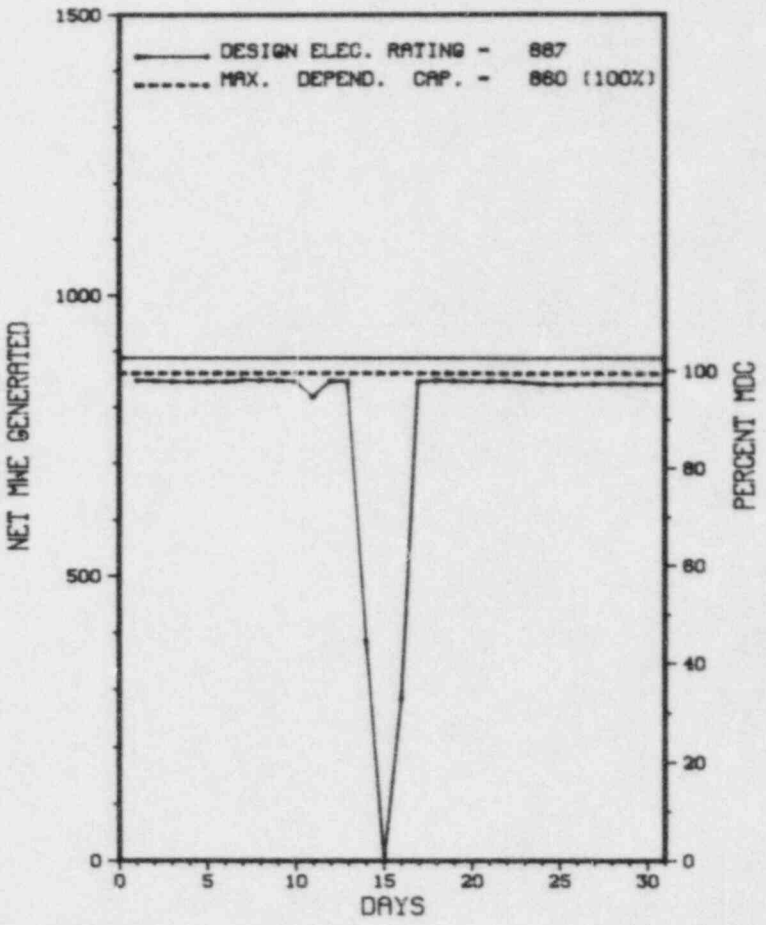
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12-P	08/11/84	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT PT'S.
5	08/14/84	F	48.5	A	3		PA	VALVEX	FAILED AIR SUPPLY RESULTED INLOW SUCTION PRESSURE ON MAIN FEEDWATER PUMP.

****
* SUMMARY *
****

OCONEE 3 INCURRED 1 SHUTDOWN IN AUGUST FOR LOW SUCTION ON MAIN FEEDWATER PUMP.

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)

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

FACILITY DATA

Report Period AUG 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 JULY 30-AUGUST 3 (84-15): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF GASEOUS AND LIQUID WASTE SYSTEMS; RADIOLOGICAL EFFLUENT ACCOUNTABILITY; AND REACTOR COOLANT, SECONDARY WATER, AND RADIOLOGICAL ENVIRONMENTAL TECHNICAL SPECIFICATION REQUIREMENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 16-20 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 11 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL/RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATION; AND COMMUNICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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: JULY 16-20, 1984 +

INSPECTION REPORT NO: 50-287/84-19 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-004	06/07/84	07/09/84	APPARENT RPS TG/RX ANTICIPATORY TRIP FROM APPROX. 20% FULL POWER, INVESTIGATION FAILED TO FIND ANY REASON FOR THE TRIP.

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: JOSEPH R. MOLNAR (609) 971-4699

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 722 X .9 = 650

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	128,783.0
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)	-3,127	-15,877	44,269,806
20. Unit Service Factor	.0	.0	64.2
21. Unit Avail Factor	.0	.0	64.2
22. Unit Cap Factor (MDC Net)	.0	.0	55.8*
23. Unit Cap Factor (DER Net)	.0	.0	52.9
24. Unit Forced Outage Rate	.0	.0	11.6
25. Forced Outage Hours	.0	.0	8,916.8

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

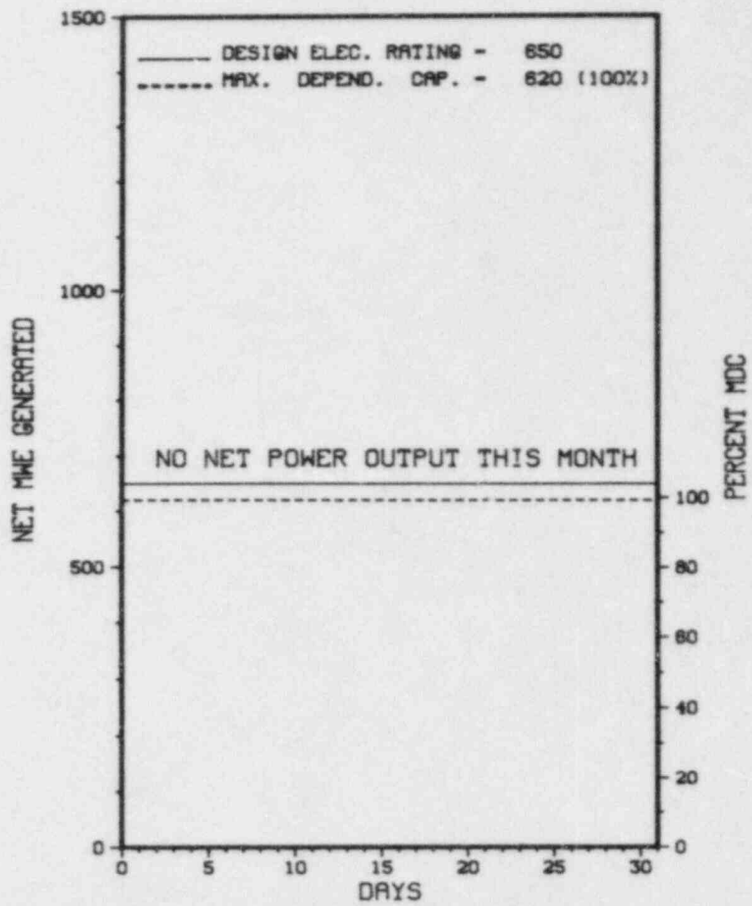
NONE

27. If Currently Shutdown Estimated Startup Date: 09/30/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

OYSTER CREEK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
31	02/11/83	S	744.0	C	4		ZZ	ZZZZZZ	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

SUMMARY

OYSTER CREEK WAS SHUT DOWN FOR REFUELING THROUGHOUT ALL OF AUGUST.

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-Regulator 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

Report Period AUG 1984

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.

INSPECTION STATUS - (CONTINUED)

****
* 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.

REPORTS FROM LICENSEE

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: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: A. F. DIENES (616) 764-8913

4. Licensed Thermal Power (MWt): 2530

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

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	111,350.0
13. Hours Reactor Critical	216.8	363.5	59,623.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	207.3	226.0	56,504.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	166,704	176,520	115,336,744
18. Gross Elec Ener (MWH)	46,320	48,780	35,799,220
19. Net Elec Ener (MWH)	37,928	39,370	33,667,384
20. Unit Service Factor	27.9	3.9	50.7
21. Unit Avail Factor	27.9	3.9	50.7
22. Unit Cap Factor (MDC Net)	8.0	1.1	47.6
23. Unit Cap Factor (DER Net)	6.3	.8	37.6
24. Unit Forced Outage Rate	72.1	71.1	32.5
25. Forced Outage Hours	536.7	554.7	13,080.3

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

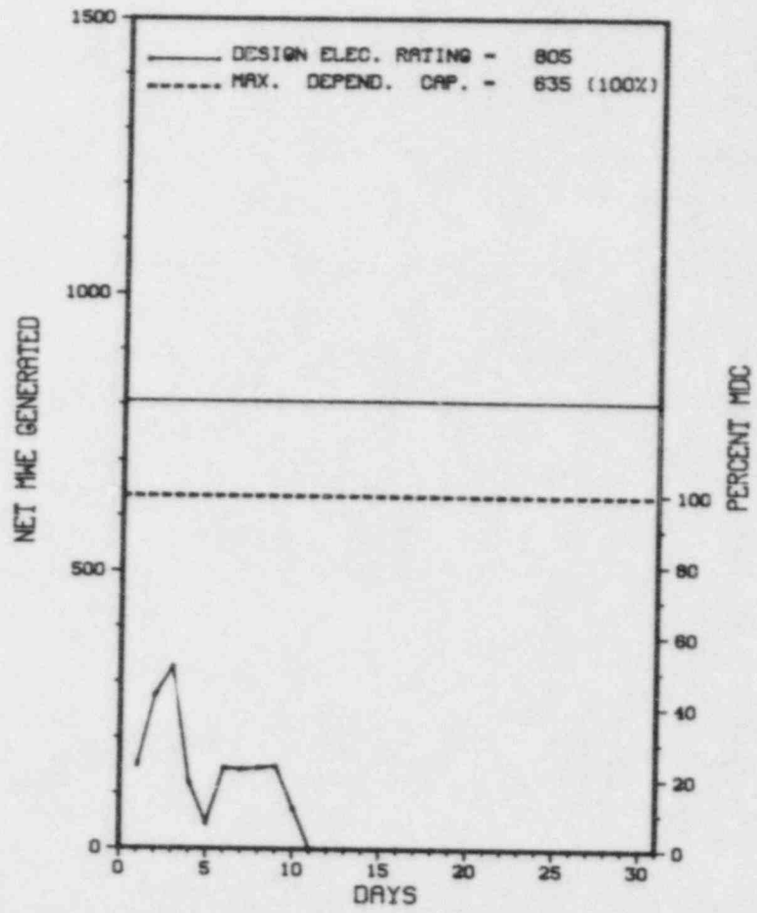
NONE

27. If Currently Shutdown Estimated Startup Date: 09/02/84

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

PALISADES

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	08/04/84	F	23.3	A	3				LOSS OF TURBINE EHC DUE TO A FAILED FITTING.
4	08/10/84	F	513.4	A	1	84-16			FAILED WELD ON PCS INSTRUMENT LINE.

SUMMARY

THERE WERE 2 SHUTDOWNS AT PALISADES IN AUGUST AS DISCUSSED ABOVE.

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

****
* PALISADES *
****

FACILITY DATA

Report Period AUG 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 29 THROUGH JULY 13, (84-10): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT AND REGION III INSPECTORS OF LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PLANT SAFETY; WORK ACTIVITIES, TESTING ACTIVITIES; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 240 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 44 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE ITEM OF NONCOMPLIANCE (FAILURE TO FOLLOW PROCEDURES) WAS IDENTIFIED IN THE REMAINING AREA.

INSPECTION ON JULY 11 AND 12, (84-13): CORRECTIVE ACTION TAKEN ON LICENSEE EVENT REPORT RELATIVE TO THE CABLES DAMAGED DUE TO EXCESSIVELY HIGH TEMPERATURE. THE INSPECTION INVOLVED A TOTAL OF 24 INSPECTION HOURS BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A, BY REFERENCE TO APPENDIX "A" OF REGULATORY GUIDE 1.33, REQUIRES IMPLEMENTATION OF WRITTEN ADMINISTRATIVE PROCEDURES COVERING EQUIPMENT CONTROL. PLANT ADMINISTRATIVE PROCEDURE 4.02 "CONTROL OF EQUIPMENT STATUS" STIPULATES OPERATORS PERFORMING CHECKLISTS SHALL DOCUMENT DISCOVERY OF SPECIFIED ABNORMAL CONDITIONS INCLUDING MISSING TAGS. CONTRARY TO THE ABOVE, THE INSPECTORS IDENTIFIED FIVE INSTANCES EACH ON CHECKLISTS 3.7 "ENGINEERED SAFEGUARDS SYSTEM CHECKLIST -

ENFORCEMENT SUMMARY

IODINE REMOVAL INSTRUMENTATION" (PERFORMED JUNE 11, 1984) AND 12.5 "AUXILIARY FEEDWATER SYSTEM CHECKLIST" (PERFORMED JUNE 12, 1984) WHEREIN MISSING TAGS WERE NOT DOCUMENTED BY THE OPERATORS PERFORMING THE CHECKLISTS. (8410 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS HEATING UP/NOT CRITICAL.

LAST IE SITE INSPECTION DATE: AUGUST 20-22, 1984

INSPECTION REPORT NO: 84-13

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-09	07/04/84	08/03/84	SPURIOUS SAFETY INJECTION ACTUATION.
84-10	07/03/84	08/13/84	THERMAL DEGRADATION OF CABLE INSULATION.
84-11	07/19/84	08/20/84	ENGINEERED SAFETY FEATURE ACTUATION.
84-12	07/25/84	08/20/84	PRIMARY COOLANT SYSTEM LEAKAGE GREATER THAN 1 GPM.
84-13	07/27/84		PRI. COOLANT SYSTEM UNIDENTIFIED LEAK GREATER THAN 1 GPM.
84-14	07/28/84	08/27/84	REACTOR CRITICAL AT LESS THAN 525 DEGREES.

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	89,063.0
13. Hours Reactor Critical	.0	2,583.9	62,283.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	2,544.8	60,556.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	7,865,391	178,420,001
18. Gross Elec Ener (MWH)	0	2,547,570	58,718,660
19. Net Elec Ener (MWH)	-5,923	2,442,181	56,278,611
20. Unit Service Factor	.0	43.5	68.0
21. Unit Avail Factor	.0	43.5	68.0
22. Unit Cap Factor (MDC Net)	.0	39.7	60.1
23. Unit Cap Factor (DER Net)	.0	39.2	59.3
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):

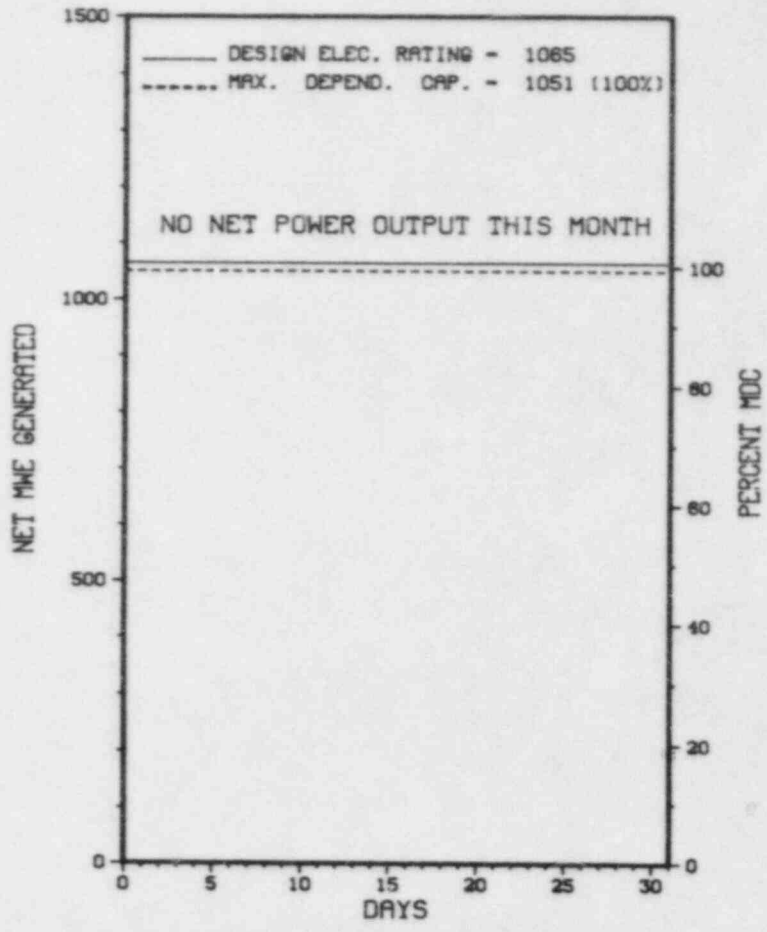
NONE

27. If Currently Shutdown Estimated Startup Date: 12/31/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/27/84	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.

SUMMARY

PEACH BOTTOM 2 REMAINS SHUTDOWN FOR REFUELING

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

INADEQUATE CORRECTIVE ACTIONS FOR NONCONFORMANCES IN MECHNICAL OUTDOOR STORAGE AND ENGINEERING REVIEW REQUEST PROGRAMS. (8414 4)

CONTRARY TO T.S.6.8, REG GUIDE 1.33, AND PROCEDURE HPO/CO-100, ON MAY 16, 1984, THREE FIRE BARRIER SEALS IN THE REACTOR BUILDING 165-FOOT ELEVATION HAD REMOVABLE SURFACE CONTAMINATION OF 1700 TO 23,000 DPM/100 CM2 AND WERE NOT POSTED WITH "CONTAMINATED AREA" SIGNS OR A RADIATION TAPE BARRIER LINE.

(8415 4)

APPENDIX A TO LICENSE NOS. OPR-44 AND DPR-56, TECHNICAL SPECIFICATION SECTION 6.11, REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATORS. CONTRARY TO THE ABOVE REQUIREMENTS, WRITTEN

ENFORCEMENT SUMMARY

PROCEDURES WERE NOT APPROVED AND MAINTAINED FOR OPERATION OF WHOLE BODY COUNTING SYSTEMS. THE MOVING FED SYSTEM AND ASSOCIATED SOFTWARE WAS PLACED IN SERVICE ON 2-10-84 AND THE STAND UP SYSTEM AND ASSOCIATED SOFTWARE WAS PLACED IN SERVICE ON 5-7-84. (8416 5)

10 CFR 50, APPENDIX B, CRITERION XVI, "CORRECTIVE ACTION" REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED AND IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES ARE REQUIRED TO ASSURE THAT THE CORRECTIVE ACTION PRECLUDES REPETITION. PEACH BOTTOM QUALITY ASSURANCE PLAN, VOLUME III, PROGRAM SECTION, PARAGRAPH 16.1, "CORRECTIVE ACTION" STATES, IN PART, THAT "MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED." PECO DEFINES CONDITIONS ADVERSE TO QUALITY AS "...NONCONFORMANCES TO SPECIFIED REQUIREMENTS." CONTRARY TO THE ABOVE, AS OF MAY 18, 1984, NONCONFORMANCES HAD NOT BEEN CORRECTED THAT HAD BEEN IDENTIFIED IN QUALITY ASSURANCE AUDIT REPORT AP83-40PR DATED JANUARY 26, 1984, AND PREVIOUSLY IN NONCONFORMANCE REPORT NCR A82-37-01 DATED DECEMBER 15, 1982, REGARDING FAILURE TO REVIEW MAINTENANCE ADMINISTRATIVE PROCEDURES AT THE PRESCRIBED PERIODICITY. 10 CFR 50, APPENDIX B, CRITERION XI, "TEST CONTROL" REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT TESTING REQUIRED TO DEMONSTRATE THAT STRUCTURES, SYSTEMS, AND COMPONENTS WILL PERFORM SATISFACTORILY IN SERVICE IS PERFORMED IN ACCORDANCE WITH WRITTEN TEST PROCEDURES WHICH INCORPORATE THE REQUIREMENTS AND ACCEPTANCE LIMITS. PEACH BOTTOM QUALITY ASSURANCE PLAN, VOLUME III, PROGRAM SECTION, PARAGRAPH 11.1 STATES, IN PART, THAT TESTING SHALL BE PERFORMED IN ACCORDANCE WITH WRITTEN TEST PROCEDURES WHICH INCORPORATE OR REFERENCE ACCEPTANCE LIMITS CONTAINED IN DESIGN DOCUMENTS. THE ACTIVITIES SECTION OF THAT PLAN, PARAGRAPH 11.4 STATES THAT PROCEDURES SHALL BE DESIGNED TO PERMIT EVALUATION OF THE SYSTEM'S OR COMPONENT'S PERFORMANCE. CONTRARY TO THE ABOVE, SURVEILLANCE TEST PROCEDURES ST 12.15.1-3, ST 12.15.3-3 AND ST 12.15.4-3 WHICH PARTIALLY IMPLEMENT TECHNICAL SPECIFICATION 6.14 WHICH REQUIRES A PROGRAM TO REDUCE LEAKAGE OF POTENTIALLY HIGHLY RADIOACTIVE FLUIDS FROM SYSTEMS OUTSIDE CONTAINMENT CONTAIN NEITHER ACCEPTANCE CRITERIA NOR THE DATA ON WHICH THE EVALUATION OF THE SYSTEM'S OR COMPONENT'S PERFORMANCE CAN BE EVALUATED. (8417 5)

TECHNICAL SPECIFICATION 6.4, "TRAINING", REQUIRES, IN PART, TRAINING PROGRAM FOR THE FACILITY STAFF MEETING THE REQUIREMENTS OF SECTION 5.5 OF ANSI N8.1-1971. SECTION 5.5 OF ANSI N18.1 REQUIRES, IN PART, SPECIAL TRAINING SESSIONS FOR REPLACEMENT PERSONNEL. A TRAINING PROGRAM SHALL BE ESTABLISHED WHICH MAINTAINS THE PROFICIENCY OF THE OPERATING ORGANIZATION BY PERIODIC TRAINING EXERCISES, INSTRUCTION PERIODS AND SPECIAL TRAINING SESSIONS. CONTRARY TO THESE REQUIREMENTS, LICENSEE'S PROCEDURE NO. HPO/CO-80, USED TO TRAIN AND QUALIFY CONTRACTOR-SUPPLIED HEALTH PHYSICS TECHNICIANS ASSIGNED TO PIPE REPLACEMENT, DID NOT INCLUDE FOUR APPROVED RADIATION EXPOSURE CONTROL PROCEDURES DEVELOPED SPECIFICALLY FOR PIPE REPLACEMENT. THESE HEALTH PHYSICS TECHNICIANS WERE RESPONSIBLE FOR IMPLEMENTING THESE RADIATION EXPOSURE CONTROL PROCEDURES. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT IV). TECHNICAL SPECIFICATION 6.11, "RADIATION PROTECTION PROGRAM," REQUIRES, IN PART, ADHERENCE TO PROCEDURES FOR PERSONNEL RADIATION PROTECTION. LICENSEE'S PROCEDURE NO. HPO/CO-4 REQUIRES, IN PART, A RADIATION WORK PERMIT CONTAINING SPECIFIC REQUIREMENTS FOR RADIOLOGICAL EXPOSURE CONTROLS. CONTRARY TO THE ABOVE, ON SEVERAL OCCASIONS DURING MAY AND JUNE 1984, RADIATION WORK PERMIT NO. 2-94-0290, "UNIT 2 DRYWELL, PRE-DECON WORK," WAS USED FOR THE REMOVAL OF HYDRAULIC SNUBBERS BY CONTRACTOR PERSONNEL AND DID NOT PROVIDE SPECIFIC RADIOLOGICAL EXPOSURE CONTROLS. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT IV). (8418 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

OTHER 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.			

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1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	84,959.0
13. Hours Reactor Critical	696.8	4,964.8	61,764.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	684.3	4,894.4	60,210.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,176,104	15,542,487	176,580,792
18. Gross Elec Ener (MWH)	721,700	5,174,020	57,989,140
19. Net Elec Ener (MWH)	696,707	5,008,311	55,672,096
20. Unit Service Factor	92.0	83.6	70.9
21. Unit Avail Factor	92.0	83.6	70.9
22. Unit Cap Factor (MDC Net)	90.5	82.6	63.3
23. Unit Cap Factor (DER Net)	87.9	80.3	61.5
24. Unit Forced Outage Rate	8.0	13.2	7.8
25. Forced Outage Hours	59.7	747.1	5,078.0

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

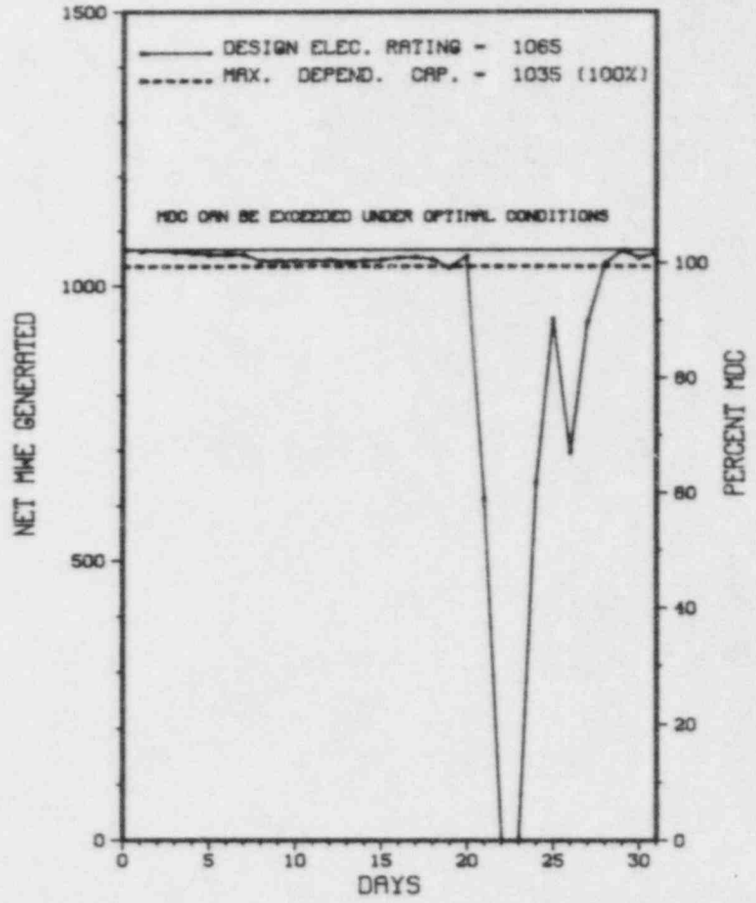
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	08/21/84	F	59.7	A	3		CH	INSTRU	LOW REACTOR WATER LEVEL CAUSED BY MALFUNCTION IN FEEDWATER CONTROL CIRCUIT.

****
* SUMMARY *
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PEACH BOTTOM 2 EXPERIENCED 1 SHUTDOWN IN AUGUST FOR LOW REACTOR WATER LEVEL.

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

E 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

INADEQUATE CORRECTIVE ACTIONS FOR NONCONFORMANCES IN MECHNICAL OUTDOOR STORAGE AND ENGINEERING REVIEW REQUEST PROGRAMS. (8412 4)

APPENDIX A TO LICENSE NOS. DPR-44 AND DPR-56, TECHNICAL SPECIFICATION SECTION 6.11, REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATORS. CONTRARY TO THE ABOVE REQUIREMENTS, WRITTEN PROCEDURES WERE NOT APPROVED AND MAINTAINED FOR OPERATION OF WHOLE BODY COUNTING SYSTEMS. THE MOVING FED SYSTEM AND ASSOCIATED SOFTWARE WAS PLACED IN SERVICE ON 2-10-84 AND THE STAND UP SYSTEM AND ASSOCIATED SOFTWARE WAS PLACED IN SERVICE ON 5-7-84. (8414 5)

10 CFR 50, APPENDIX B, CRITERION XVI, "CORRECTIVE ACTION" REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED AND IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES ARE

ENFORCEMENT SUMMARY

REQUIRED TO ASSURE THAT THE CORRECTIVE ACTION PRECLUDES REPETITION. PEACH BOTTOM QUALITY ASSURANCE PLAN, VOLUME III, PROGRAM SECTION, PARAGRAPH 16.1, "CORRECTIVE ACTION" STATES, IN PART, THAT "MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED." PECO DEFINES CONDITIONS ADVERSE TO QUALITY AS "...NONCONFORMANCES TO SPECIFIED REQUIREMENTS." CONTRARY TO THE ABOVE, AS OF MAY 18, 1984, NONCONFORMANCES HAD NOT BEEN CORRECTED THAT HAD BEEN IDENTIFIED IN QUALITY ASSURANCE AUDIT REPORT AP83-40PR DATED JANUARY 26, 1984, AND PREVIOUSLY IN NONCONFORMANCE REPORT NCR A82-37-01 DATED DECEMBER 15, 1982, REGRADING FAILURE TO REVIEW MAINTENANCE ADMINISTRATIVE PROCEDURES AT THE PRECRIBED PERIODICITY. 10 CFR 50, APPENDIX B, CRITERION XI, "TEST CONTROL" REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT TESTING REQUIRED TO DEMONSTRATE THAT STRUCTURES, SYSTEMS, AND COMPONENTS WILL PERFORM SATISFACTORILY IN SERVICE IS PERFORMED IN ACCORDANCE WITH WRITTEN TEST PROCEDURES WHICH INCORPORATE THE REQUIREMENTS AND ACCEPTANCE LIMITS. PEACH BOTTOM QUALITY ASSURANCE PLAN, VOLUME III, PROGRAM SECTION, PARAGRAPH 11.1 STATES, IN PART, THAT TESTING SHALL BE PERFORMED IN ACCORDANCE WITH WRITTEN TEST PROCEDURES WHICH INCORPORATE OR REFERENCE ACCEPTANCE LIMITS CONTAINED IN DESIGN DOCUMENTS. THE ACTIVITIES SECTION OF THAT PLAN, PARAGRAPH 11.4 STATES THAT PROCEDURES SHALL BE DESIGNED TO PERMIT EVALUATION OF THE SYSTEM'S OR COMPONENT'S PERFORMANCE. CONTRARY TO THE ABOVE, SURVEILLANCE TEST PROCEDURES ST 12.15.1-3, ST 12.15.3-3 AND ST 12.15.[illegible]-3 WHICH PARTIALLY IMPLEMENT TECHNICAL SPECIFICATION 6.14 WHICH REQUIRES A PROGRAM TO REDUCE LEAKAGE OF POTENTIALLY HIGHLY RADIOACTIVE FLUIDS FROM SYSTEMS OUTSIDE CONTAINMENT CONTAIN NEITHER ACCEPTANCE CRITERIA NOR THE DATA ON WHICH THE EVALUATION OF THE SYSTEM'S OR COMPONENT'S PERFORMANCE CAN BE EVALUATED.
(8415 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: 50-293 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: P. HAMILTON (617) 746-7905
4. Licensed Thermal Power (MWt): 1998
5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678
6. Design Electrical Rating (Net MWe): 655
7. Maximum Dependable Capacity (Gross MWe): 690
8. Maximum Dependable Capacity (Net MWe): 670
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	102,815.0
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	65.7
21. Unit Avail Factor	.0	.0	65.7
22. Unit Cap Factor (MDC Net)	.0	.0	54.7
23. Unit Cap Factor (DER Net)	.0	.0	56.0
24. Unit Forced Outage Rate	.0	.0	9.2
25. Forced Outage Hours	.0	.0	6,842.5

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

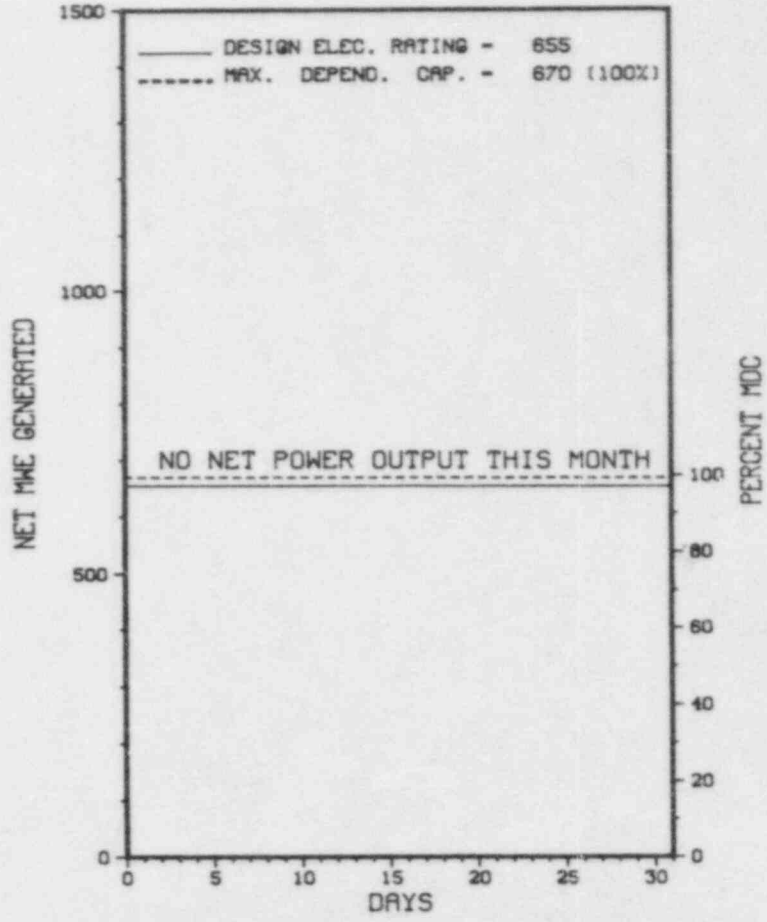
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/10/83	S	744.0	C	4				SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT.

****
* SUMMARY *
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PILGRIM 1 REMAINS SHUT DOWN FOR REFUELING AND RECIRCULATION PIPING REPLACEMENT.

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

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

FAILURE TO CONTAIN FALLING SLAG IN ACCORDANCE WITH LICENSEE'S PROCEDURE 1.5.5
(8411 4)

TECHNICAL SPECIFICATION 6.8 STATES "WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7 - 1972 AND APPENDIX "A" OF UNSRC REGULATORY GUIDE 1.33" TECHNICAL SPECIFICATION 6.8.B STATES "EACH PROCEDURE....AND CHANGES THERETO, SHALL BE REVIEWED BY THE ORC AND APPROVED BY THE ORC CHAIRMAN PRIOR TO IMPLEMENTATION ....". CONTRARY TO THE ABOVE, THE LICENSEE HAS USED THREE CONTRACTOR PROCEDURES DURING 1984, AND THE PROCEDURES HAVE NOT BEEN REVIEWED BY THE ORC (OPERATING REVIEW COMMITTEE) AND NEITHER HAVE THEY BEEN APPROVED BY THE ORC CHAIRMAN. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).10 CFR 71.12 (C) REQUIRES THAT A PERSON USING A PACKAGE TO TRANSPORT LICENSED MATERIAL MUST HAVE A COY OF THE CERTIFICATE OF COMPLIANCE, AND THE PERSON MUST ALSO COMPLY WITH THE CONDITIONS OF THE CERTIFICATE. CERTIFICATE OF COMPLIANCE NO. 6601, REVISION NO. 13, CONDITION 5(B)(2), REQUIRES THAT THE DECAY HEAT LOAD NOT EXCEED 40. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT DETERMINE THE DECAY HEAT LOAD OF A PACKAGE OF 118 CURIES OF LICENSED MATERIAL SHIPPED ON FEBRUARY 10, 1984, HAVING THE CERTIFICATE OF COMPLIANCE NO. 6601. CONDITION 10 OF

ENFORCEMENT SUMMARY

CERTIFICATE OF COMPLIANCE 6601, REVISION 26.13 STATES, "FOR ALL PACKAGES CONTAINING RESIDUAL WATER OR OTHER SUBSTANCES WHICH COULD RADIOLYTICALLY GENERATE COMBUSTIBLE GASES, A DETERMINATION MUST BE MADE BY TEST AND MEASUREMENTS OF A REPRESENTATIVE PACKAGE SUCH THAT THE FOLLOWING CRITERIA ARE MET OVER A PERIOD OF TIME THAT IS TWICE THE EXPECTED SHIPMENT TIME: (I) THE HYDROGEN GENERATED MUST BE LIMITED TO A MOLAR QUANITITY THAT WOULD BE NO MORE THAN 5% BY VOLUME (OR EQUIVALENT LIMITS FOR OTHER IMFLAMMABLE GASES) OF THE SECONDARY CONTAINER GAS VOID IF PRESENT AT STP (I.E., NO MORE THAN 9.063G-MOLAS/3 FT AT 14.7 PSIA AND 70 F); OR (II) THE SECONDARY CONTAINER AND CAST CAVITY MUST BE INERTED WITH A DILUENT TO ASSURE THAT OXYGEN SHALL BE LIMITED TO 5% BY VOLUME IN THOSE PORTIONS OF THE PACKAGE WHICH COULD HAVE HYDROGEN GREATER THAN 5%. FOR PACKAGES TO BE DELIVERED TO A CARRIER FOR TRANSPORT, THE SECONDARY CONTAINER MUST BE PREPARED FOR SHIPMENT IN SAME WAY IN WHICH DETERMINATION FOR GAS GENERATION IS MADE.... CONTRARY TO THE ABOVE, ON FEBRUARY 10, 1984, THE LICENSEE USED PACKAGE MODEL NO. CNSI 8-120, CERTIFICATE OF COMPLIANCE 6601, TO TRANSPORT 118 CURIES OF LICENSED MATERIAL TO BARNWELL, SOUTH CAROLINA, AND THE LICENSEE DID NOT DETERMINE BY TESTS OR MEASUREMENTS THAT THE CRITERIA DESCRIBED ABOVE WERE MET. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8413 4)

10 CFR 71.101(B) REQUIRES EACH LICENSEE TO ESTABLISHED A QUALITY ASSURANCE PROGRAM FOR PACKAGES...10 CFR 71.101 (F) STATES THAT A COMMISSION APPROVED QUALITY ASSURANCE PROGRAM THAT SATISFIED THE APPLICABLE CRITERIA OF APPENDIX B OF PART 50 OF THIS CHAPTER, AND WHICH IS ESTABLISHED, MAINTAINED, AND EXECUTED WITH REGARD TO TRANSPORT PACKAGES WILL BE ACCEPTED AS SATISFYING THE REQUIREMENTS OF PARAGRAPH (B) OF THIS SECTION. CRITERIA II, APPENDIX B OF PART 50 OF THE LICENSEE'S PREVIOUSLY APPROVED PROGRAM REQUIRES THAT THE LICENSEE IDENTIFY THE STRUCTURES, SYSTEMS, AND COMPONENTS TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CONTRARY TO THE ABOVE, AS OF APRIL 27, 1984, THE LICENSEE HAS NOT IDENTIFIED TRANSPORT PACKAGES AS A STRUCTURE, SYSTEM, OR COMPONENT TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT V).
(8413 5)

10 CFR 19.12, "INSTRUCTIONS TO WORKERS", REQUIRES THAT "ALL INDIVIDUALS WORKING IN OR FREQUENTING ANY PORTION OF A RESTRICTED AREA SHALL BE KEPT INFORMED OF THE STORAGE, TRANSFER, OR USE OF RADIOACTIVE MATERIALS OR OF RADIATION IN SUCH PORTIONS OF THE RESTRICTED AREA; SHALL BE INSTRUCTED IN THE HEALTH PROTECTION PROBLEMS ASSOCIATED WITH EXPOSURE TO SUCH RADIOACTIVE MATERIALS OR RADIATION, IN PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE, AND IN THE PURPOSES AND FUNCTIONS OF PROTECTIVE DEVICES EMPLOYED". CONTRARY TO THE ABOVE: ON MAY 7, 1984, THE LICENSEE FAILED TO ADEQUATELY INFORM A WORKER OF THE PRESENCE AND EXTENT OF RADIOACTIVE CONTAMINATION AND RADIATION IN THE "A" RESIDUAL HEAT REMOVAL (RHR) QUADRANT. THE WORKER WAS NOT ADVISED TO USE RESPIRATORY PROTECTIVE EQUIPMENT AND PLASTIC PROTECTIVE CLOTHING; CONSEQUENTLY, THE WORKER WAS SUBJECTED TO INTERNAL AND EXTERNAL PERSONAL CONTAMINATION. 10 CFR 20.201, "SURVEYS", REQUIRES THAT "EACH LICENSEE SHALL MAKE OR CAUSE TO BE MADE SUCH SURVEYS (EVALUATIONS OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL OR PRESENCE OF RADIOACTIVE MATERIALS) AS (1) MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS IN THIS PART, AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT". CONTRARY TO THE ABOVE: ON MAY 7, 1984, THE LICENSEE FAILED TO MAKE AN EVALUATION OF THE "A" RHR QUADRANT TO SUPPORT THE ENTRY OF A WORKER PERFORMING OPERATIONS IN THE AREA. THE RADIOLOGICAL CONDITIONS OF THE AREA WERE NOT EVALUATED SUFFICIENTLY TO IDENTIFY THE NEED FOR RESPIRATORY PROTECTIVE MEASURES IN ACCORDANCE WITH 10 CFR 20.103 AND PROVISIONS FOR CONTROLLING PERSONNEL OCCUPATIONAL EXPOSURE IN ACCORDANCE WITH 10 CFR 20.101. ON APRIL 19, 1984, PERSONNEL REMOVED THE SPOOL PIECE FROM THE "B" RECIRCULATION LOOP IN THE DRYWELL, WITHOUT A RADIOLOGICAL EVALUATION BEING PERFORMED IN SUPPORT OF THE ACTIVITY. SUCH RADIOLOGICAL SURVEILLANCE WAS REQUIRED IN ORDER TO ASSURE THAT ADEQUATE RADIOLOGICAL CONTROLS WERE ESTABLISHED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR 20.101 AND 10 CFR 20.103.

TECHNICAL SPECIFICATION 6.11, "RADIATION PROTECTION PROGRAM", REQUIRES THAT "PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTNT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE...ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE". CONTRARY TO THE ABOVE, ON MAY 7, 1984, HEALTH PHYSICS PROCEDURE NO. 6.4-067, "OPERATION OF THE EBERLINE RM-14 RADIATION MONITOR", WHICH PROVIDES INSTRUCTIONS FOR USE OF THE INSTRUMENT AS A MONITORING DEVICE TO DETERMINE PERSONNEL CONTAMINATION WAS NOT FOLLOWED. AN INDIVIDUAL WHO WAS SIGNIFICANTLY CONTAMINATED FROM WORK PERFORMED IN THE "A" RHR QUADRANT, FAILED TO FRISK IN ACCORDANCE WITH THE DIRECTIONS STATED IN THE PROCEDURE SUFFICIENT TO DETECT AND PROPERLY RESPOND TO THE PRESENCE OF SIGNIFICANT LEVELS (IN EXCESS OF 200,000 DPM/100 CM2) OF RADIOACTIVE CONTAMINATION ON SKIN AND CLOTHING.
(8414 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.			

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1. Docket: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 485

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	121,151.0
13. Hours Reactor Critical	744.0	3,491.1	97,569.6
14. Rx Reserve Shtdwn Hrs	.0	4.3	629.7
15. Hrs Generator On-Line	744.0	3,451.0	95,058.5
16. Unit Reserve Shtdwn Hrs	.0	9.0	802.5
17. Gross Therm Ener (MWH)	1,121,693	5,045,733	128,581,045
18. Gross Elec Ener (MWH)	384,970	1,739,920	43,135,900
19. Net Elec Ener (MWH)	368,646	1,662,817	41,030,699
20. Unit Service Factor	100.0	58.9	78.5
21. Unit Avail Factor	100.0	59.1	79.1
22. Unit Cap Factor (MDC Net)	102.2	58.6	69.3*
23. Unit Cap Factor (DER Net)	99.7	57.1	68.1
24. Unit Forced Outage Rate	.0	.0	2.6
25. Forced Outage Hours	.0	.0	2,406.3

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

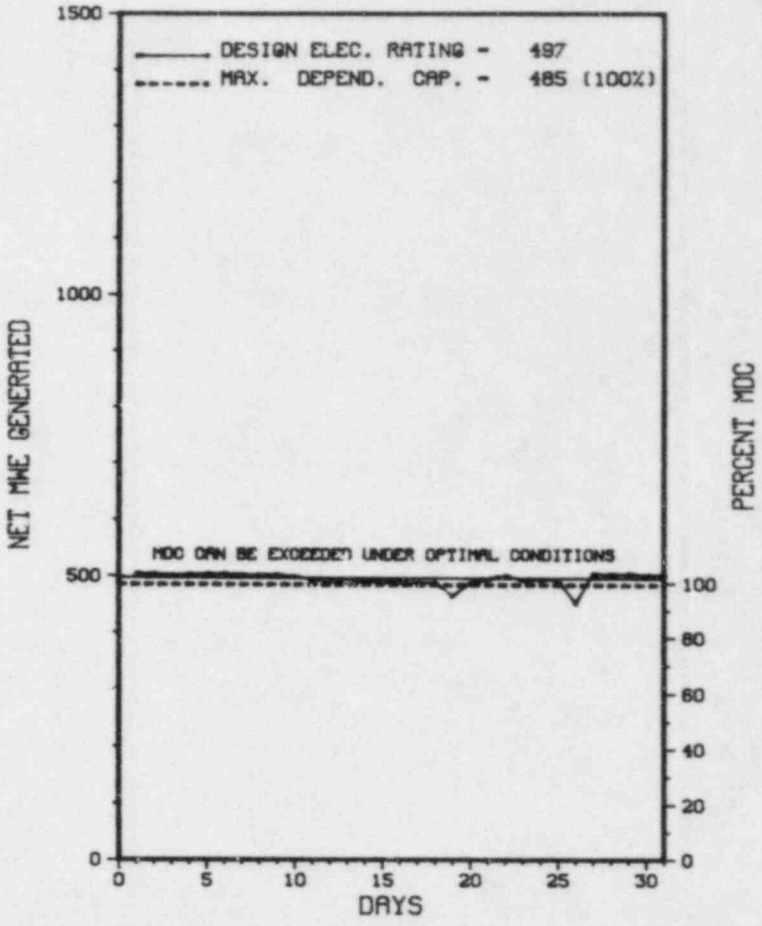
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 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 ROUTINELY IN AUGUST WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

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

FACILITY DATA

Report Period AUG 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 ON JUNE 1 THROUGH JULY 31, (84-07): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION AND PLANT TRIPS. THE INSPECTION INVOLVED A TOTAL OF 231 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 31 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 25-29, (84-10): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION PROGRAM INCLUDING: MANAGEMENT, STAFFING, EXPOSURE CONTROL, ALARA, SURVEYS, POSTING AND CONTROLS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REFUELING CASK SURVEYS, AND STATUS OF CERTAIN TMI ACTION ITEMS. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 2-3, (84-11): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE'S FOLLOW-UP ACTION OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 23-27, (84-13): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED EMERGENCY PREPAREDNESS ITEMS. THE INSPECTION INVOLVED 157 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. THREE APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THREE AREAS: FAILURE TO REVIEW EMERGENCY ACTION LEVELS WITH THE STATE OF WISCONSIN (EMERGENCY DETECTION AND CLASSIFICATION); FAILURE OF SHIFT SUPERINTENDENTS TO

INSPECTION SUMMARY

MAKE AN ADEQUATE OFFSITE PROTECTIVE ACTION RECOMMENDATION (PROTECTIVE ACTION DECISIONMAKING); AND FAILURE TO REVIEW ANNUALLY THE ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS (LICENSEE AUDITS). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 10 - 13, 1984

INSPECTION REPORT NO: 84-16

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-03	07/21/84	08/20/84	REACTOR TRIP ON HIGH SOURCE RANGE FLUX.
84-04	07/21/84	08/20/84	INADVERTENT ACTUATION OF REACTOR PROTECTION SYSTEM.

1. Docket: 50-301 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: C. W. KRAUSE (414) 277-2001
4. Licensed Thermal Power (MWt): 1518
5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524
6. Design Electrical Rating (Net MWe): 497
7. Maximum Dependable Capacity (Gross MWe): 519
8. Maximum Dependable Capacity (Net MWe): 485
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	105,936.0
13. Hours Reactor Critical	744.0	5,829.6	94,257.8
14. Rx Reserve Shtdwn Hrs	.0	8.8	207.1
15. Hrs Generator On-Line	744.0	5,765.9	92,668.7
16. Unit Reserve Shtdwn Hrs	.0	15.4	198.1
17. Gross Therm Ener (MWH)	1,126,993	8,621,411	129,516,188
18. Gross Elec Ener (MWH)	379,450	2,913,830	43,873,660
19. Net Elec Ener (MWH)	362,470	2,784,411	41,789,676
20. Unit Service Factor	100.0	98.5	87.5
21. Unit Avail Factor	100.0	98.7	87.7
22. Unit Cap Factor (MDC Net)	100.5	96.6	80.3*
23. Unit Cap Factor (DER Net)	98.0	95.7	79.4
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):

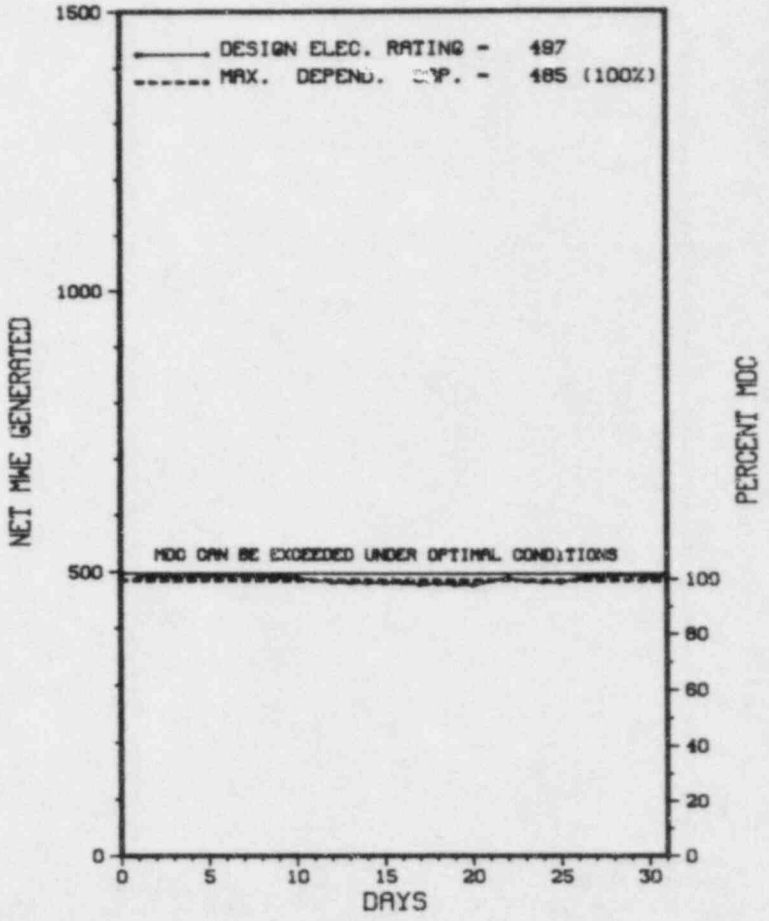
REFUELING OUTAGE: SEPTEMBER 28, 1984, 7 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

POINT BEACH 2

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

NONE

SUMMARY

POINT BEACH 2 OPERATED ROUTINELY IN AUGUST WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

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

FACILITY DATA

Report Period AUG 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 ON JUNE 1 THROUGH JULY 31, (84-05): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; INDEPENDENT INSPECTION AND PLANT TRIPS. THE INSPECTION INVOLVED A TOTAL OF 231 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 31 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 25-29, (84-08): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION PROGRAM INCLUDING: MANAGEMENT, STAFFING, EXPOSURE CONTROL, ALARA, SURVEYS, POSTING AND CONTROLS, LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, REFUELING CASK SURVEYS, AND STATUS OF CERTAIN TMI ACTION ITEMS. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 2-3, (84-09): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE'S FOLLOW-UP ACTION OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 23-27, (84-11): ROUTINE, UNANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFF...G AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED EMERGENCY PREPAREDNESS ITEMS. THE INSPECTION INVOLVED 157 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND TWO CONSULTANTS. THREE APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THREE AREAS: FAILURE TO REVIEW EMERGENCY ACTION LEVELS WITH THE STATE OF WISCONSIN (EMERGENCY DETECTION AND CLASSIFICATION); FAILURE OF SHIFT SUPERINTENDENTS TO

INSPECTION SUMMARY

MAKE AN ADEQUATE OFFSITE PROTECTIVE ACTION RECOMMENDATION (PROTECTIVE ACTION DECISIONMAKING); AND FAILURE TO REVIEW ANNUALLY THE ADEQUACY OF INTERFACES WITH STATE AND LOCAL GOVERNMENTS (LICENSEE AUDITS). NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE REMAINING FIVE AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING NORMALLY. REFUELING OUTAGE PLANNED FOR 10/84.

LAST IE SITE INSPECTION DATE: SEPTEMBER 10-13, 1984

INSPECTION REPORT NO: 84-14

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-282 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: DALE DUGSTAD (612) 388-1121
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593
6. Design Electrical Rating (Net MWe): 530
7. Maximum Dependable Capacity (Gross MWe): 534
8. Maximum Dependable Capacity (Net MWe): 503
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	93,887.0
13. Hours Reactor Critical	734.2	5,795.6	77,468.6
14. Rx Reserve Shtdwn Hrs	.0	.0	5,571.1
15. Hrs Generator On-Line	729.5	5,769.5	76,150.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,148,066	9,309,618	119,620,780
18. Gross Elec Ener (MWH)	372,180	3,074,640	38,954,440
19. Net Elec Ener (MWH)	348,166	2,899,615	36,491,044
20. Unit Service Factor	98.1	98.5	81.1
21. Unit Avail Factor	98.1	98.5	81.1
22. Unit Cap Factor (MDC Net)	93.0	98.5	77.3
23. Unit Cap Factor (DER Net)	88.3	93.4	73.3
24. Unit Forced Outage Rate	1.9	.3	8.0
25. Forced Outage Hours	14.5	14.5	2,935.4

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

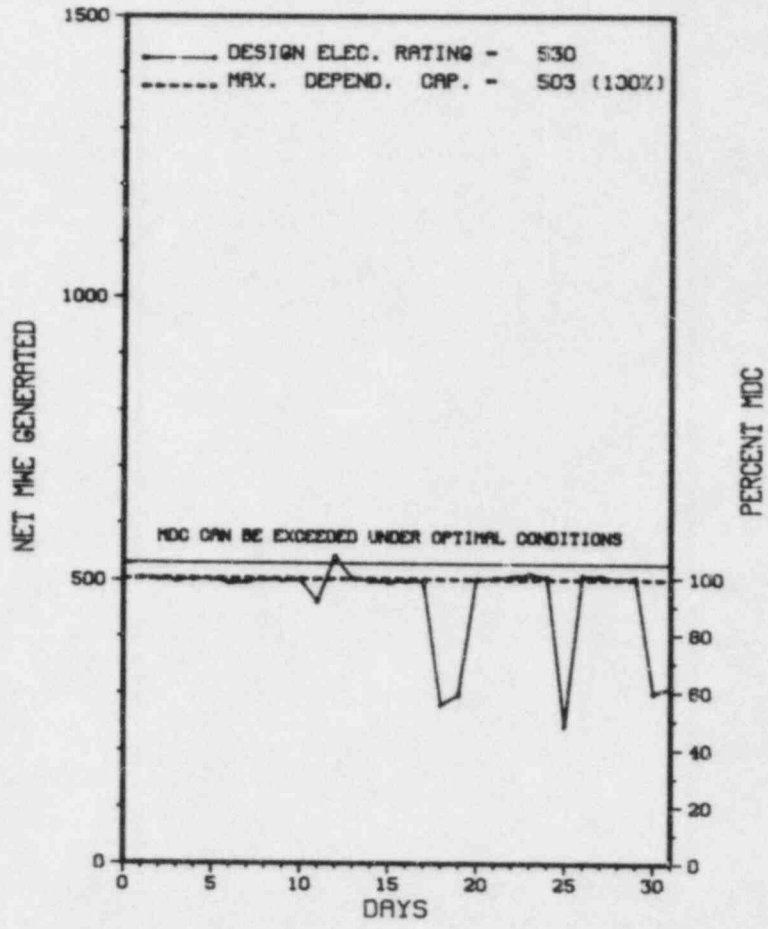
TEN YEAR OVERHAUL IN JANUARY 1985.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	08/18/84	S	0.0	B	5				CONDENSER TUBE CLEANING AND REPAIR, TURBINE VALVES TEST.
	08/19/84	S	0.0	B	5				CONDENSER TUBE CLEANING AND REPAIR.
	08/25/84	S	0.0	H	5				CHLORINATION OF CIRCULATING WATER SYSTEM.
	08/30/84	F	8.6	G	3	84-005			TRIPPED DURING THE PROCESS OF A FLUX MAP TEST.
	08/31/84	F	5.9	A	3	84-006	SJ	FI	TRIPPED DURING POWER ESCALATION DUE TO STEAM FLOW FEED FOW MISMATCH.

****
* SUMMARY *
****

PRAIRIE ISLAND 1 OPERATED ROUTINELY IN AUGUST.

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 AUG 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 JULY 9-13, (84-10): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS: PROTECTED AREA; PHYSICAL BARRIERS: VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 70 TOTAL INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAYSHIFT PERIOD; SIX HOURS WERE ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING ITEMS: PHYSICAL BARRIERS - PROTECTED AREA: THE LICENSEE FAILED TO PROVIDE AN EFFECTIVE BARRIER IN A PORTION O THE PROTECTED AREA PERIMETER. DETECTION AIDS - PROTECTED AREAS: THE PROTECTED AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES.

ENFORCEMENT SUMMARY

THE LICENSEE FAILED TO PROVIDE AN EFFECTIVE BARRIER IN A PORTION OF THE PROTECTED AREA PERIMETER. THE PROTECTED AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES.

ENFORCEMENT SUMMARY

(8410 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS RETURNING TO NORMAL OPERATION FOLLOWING UNIT TRIP DURING SURVEILLANCE TESTING.

LAST IE SITE INSPECTION DATE: AUGUST 11 - OCTOBER 12, 1984

INSPECTION REPORT NO: 84-11

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-04	07/18/84	08/17/84	BOTH DIESEL GENERATORS STARTED ON LOSS OF 2RY TRANSFORMER.

1. Docket: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	85,005.0
13. Hours Reactor Critical	744.0	5,855.0	74,105.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,516.1
15. Hrs Generator On-Line	744.0	5,855.0	73,146.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,028,044	9,274,888	115,006,746
18. Gross Elec Ener (MWH)	334,160	3,072,320	37,179,720
19. Net Elec Ener (MWH)	311,829	2,906,631	34,881,514
20. Unit Service Factor	100.0	100.0	86.1
21. Unit Avail Factor	100.0	100.0	86.1
22. Unit Cap Factor (MDC Net)	83.8	99.3	82.1
23. Unit Cap Factor (DER Net)	79.1	93.7	77.4
24. Unit Forced Outage Rate	.0	.0	4.1
25. Forced Outage Hours	.0	.0	3,315.5

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

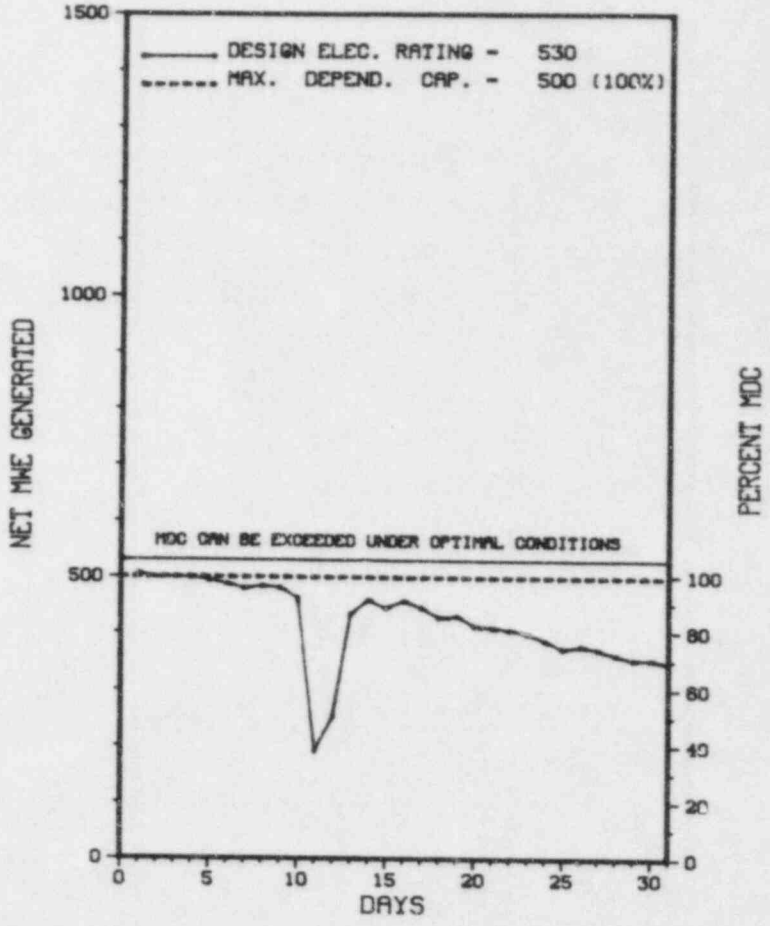
REFUELING OUTAGE ON SEPTEMBER 4, 1984.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	08/11/84	S	0.0	B	5				CONDENSER TUBE REPAIR AND TURBINE VALVES TEST.

****
* SUMMARY *
****

PRAIRIE ISLAND 2 OPERATED ROUTINELY IN AUGUST.

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	Instructic , 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	

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

FACILITY DATA

Report Period AUG 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 JULY 9-13, (84-09): INCLUDED A REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS: PROTECTED AREA; PHYSICAL BARRIERS: VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS - VITAL AREAS; ALARM STATIONS; COMMUNICATIONS; AND LICENSEE CORRECTIVE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 70 TOTAL INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAYSHIFT PERIOD; SIX HOURS WERE ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING ITEMS: PHYSICAL BARRIERS - PROTECTED AREA: THE LICENSEE FAILED TO PROVIDE AN EFFECTIVE BARRIER IN A PORTION OF THE PROTECTED AREA PERIMETER. DETECTION AIDS - PROTECTED AREAS: THE PROTECTED AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES.

INSPECTION ON JUNE 14 - JULY 18, (84-20): SPECIAL INSPECTION BY RESIDENT INSPECTORS OF CONDITIONS RELATED TO THE QUESTION OF OPERABILITY OF 22 AFWP AND OF THE UNPLANNED OPENING OF UNIT 2 RWST VALVES 32182 AND 32183. THE INSPECTION INCLUDED AN ENFORCEMENT CONFERENCE WITH THE LICENSEE. THE INSPECTION INVOLVED A TOTAL OF 55 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 6 INSPECTOR-HOURS OFFSITE BY THE SAME INSPECTORS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (UNPLANNED OPENING OF TWO RWST VALVES).

ENFORCEMENT SUMMARY

THE LICENSEE FAILED TO PROVIDE AN EFFECTIVE BARRIER IN A PORTION OF THE PROTECTED AREA PERIMETER. THE PROTECTED AREA INTRUSION DETECTION SYSTEM FAILED TO DETECT ATTEMPTED PENETRATIONS IN SEVERAL ZONES.

(8409 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN COASTDOWN FOR SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: SEPTEMBER 6-7, 1984

INSPECTION REPORT NO: 84-13

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	107,879.0
13. Hours Reactor Critical	330.8	1,892.9	85,448.5
14. Rx Reserve Shtdwn Hrs	.0	.0	3,421.9
15. Hrs Generator On-Line	282.0	1,843.2	82,190.3
16. Unit Reserve Shtdwn Hrs	.0	.0	909.2
17. Gross Therm Ener (MWH)	436,851	4,096,583	169,203,289
18. Gross Elec Ener (MWH)	147,522	1,360,670	54,619,398
19. Net Elec Ener (MWH)	136,965	1,281,172	50,886,432
20. Unit Service Factor	37.9	31.5	76.2
21. Unit Avail Factor	37.9	31.5	77.0
22. Unit Cap Factor (MDC Net)	23.9	28.5	61.3
23. Unit Cap Factor (DER Net)	23.3	27.7	59.8
24. Unit Forced Outage Rate	13.2	2.3	5.9
25. Forced Outage Hours	43.0	43.0	2,771.0

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

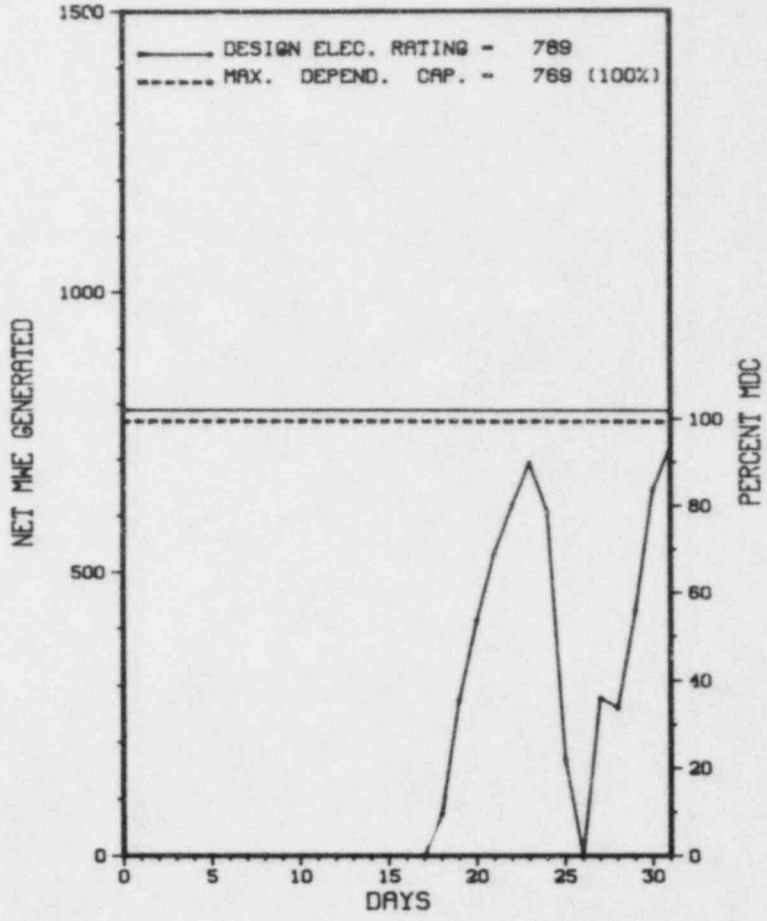
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



AUGUST 1984

Report Period AUG 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	419.0	C	4		RC	FUELXX	REFUELING & MAINTENANCE OUTAGE CONCLUDES.
84-15	08/24/84	S	0.0	B	5		CH	VALVEX	REDUCED LOAD TO 600 MWE FOR HEATER CONTROL VALVE ADJUSTMENT.
84-16	08/25/84	F	35.2	A	3	84-15	HE	VALVEX	REACTOR SCRAM - TURBINE BYPASS VALVE OPENED AND SHUT RAPIDLY CAUSING PRESSURE SPIKE AND HI APRM FLUX.
84-17	08/28/84	F	7.8	H	3	84-16	CC	INSTRU	REACTOR SCRAM - INSTRUMENT MECHANIC FAILED TO FILL REFERENCE LEG OF FLOW TRANSMITTER ON MAIN STEAM LINE.

****
* SUMMARY *
****

QUAD CITIES 1 INCURRED 3 SHUTDOWNS IN AUGUST AS DISCUSSED ABOVE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....ROCK ISLAND

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 18, 1971

DATE ELEC ENER 1ST GENER...APRIL 12, 1972

DATE COMMERCIAL OPERATE....FEBRUARY 18, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....A. MADISON

LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254

LICENSE & DATE ISSUANCE....DPR-29, DECEMBER 14, 1972

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 2[illegible] - JUNE 23, (84-08): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; PROCEDURES; REGIONAL REQUESTS; REFUEL; SCRAMS; SPECIAL OBSERVATIONS; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; IE INFORMATION NOTICE FOLLOWUP; RADIATION PROTECTION; REVIEW OF CILRT AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 187 INSEPCTOR HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 35 INSPECTOR HRS ONSITE DURING OFF-SHIFTS, AND 19 BY REGION-BASED INSPECTORS. OF THE 14 AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO LOCAL LEAK RATE TEST A GASKETED PENETRATION; FAILURE TO QUANTIFY LEAKAGE DURING ILRT).

INSPECTION ON JUNE 25-28 AND JULY 6, (84-10): ROUTINE, UNANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, LABORATORY QUALITY CONTROL, AND COMPARISON OF LICENSEE ANALYSIS RESULTS WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) INCLUDING PROGRAM MANAGEMENT, QUALITY CONTROL, AND IMPLEMENTATION; AND (3) LICENSEE ACTIONS TAKEN ON OPEN ITEMS IDENTIFIED IN PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 49 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON JUNE 24 THROUGH AUCUST 5, (84-11): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; IE INFORMATION NOTICE FOLLOWUP; TMI ACTION PLAN FOLLOWUP; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; FOLLOWUP ON REGIONAL REQUESTS, FOLLOWUP ON 10 CFR PART 21 REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 242 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 49 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 15 AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO PERFORM CALIBRATION OF SAFETY RELATED INSTRUMENTS; INADEQUATE FIRE BARRIER).

INSPECTION SUMMARY

INSPECTION ON JULY 20-26, (84-12); ROUTINE, ANNOUNCED INSPECTION OF THE CONTAINMENT INTEGRATED LEAK RATE TEST. THE INSPECTION INVOLVED 69 INSPECTOR HOURS BY ONE NRC INSPECTOR, INCLUDING 28 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 24-28, 1984

INSPECTION REPORT NO: 84-18

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-14	08/08/84	08/14/84	MO 1-1001-29A AND -29B FAILURE.

1. Docket: 50-265 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVE KIMLER (309) 654-2241 X192
4. Licensed Thermal Power (MWt): 2511
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 789
7. Maximum Dependable Capacity (Gross MWe): 813
8. Maximum Dependable Capacity (Net MWe): 769
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	106,989.0
13. Hours Reactor Critical	728.7	4,293.8	82,211.4
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	721.9	4,176.9	79,386.7
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	1,749,867	9,849,890	165,231,978
18. Gross Elec Ener (MWH)	554,982	3,174,072	52,609,830
19. Net Elec Ener (MWH)	528,825	3,023,454	49,358,328
20. Unit Service Factor	97.0	71.3	74.2
21. Unit Avail Factor	97.0	71.3	74.9
22. Unit Cap Factor (MDC Net)	92.4	67.2	60.0
23. Unit Cap Factor (DER Net)	90.1	65.4	58.5
24. Unit Forced Outage Rate	3.0	3.9	8.4
25. Forced Outage Hours	22.1	170.2	3,360.3

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

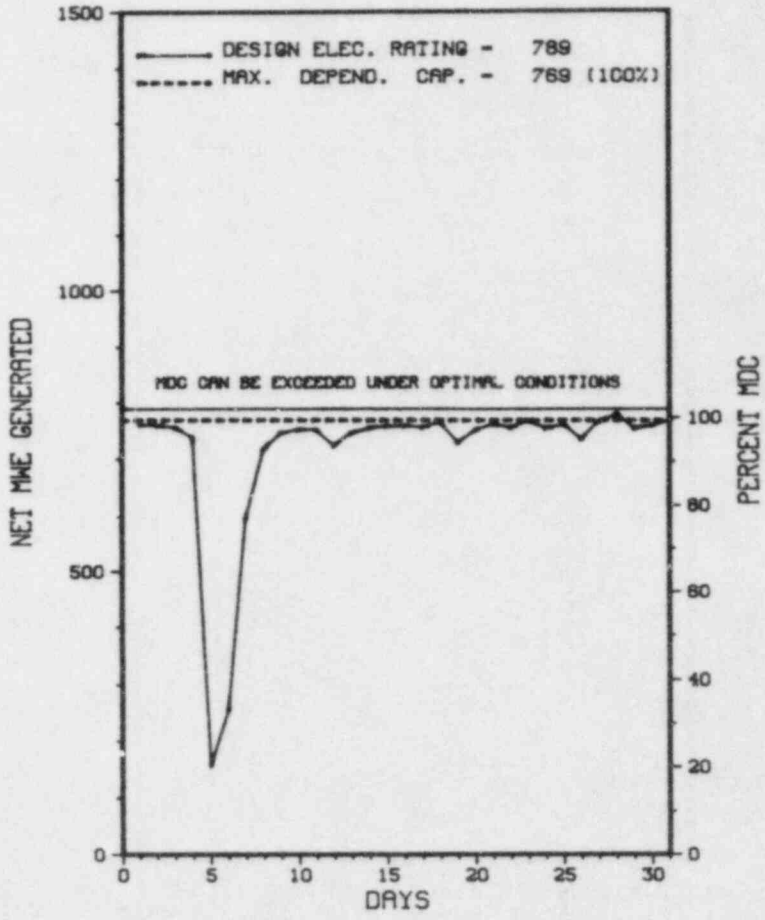
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-29	08/04/84	S	0.0	B	5		CD	VALVEX	REDUCED LOAD TO 400 MWE TO PERFORM MAIN STEAM ISOLATION VALVE QUARTERLY TESTS.
84-30	08/05/84	F	22.1	A	3	84-9	CD	VALVEX	REACTOR SCRAM DUE TO 2B REACTOR PROTECTION SYSTEM MG SET TRIP AND MSIV CLOSURE.
84-31	08/12/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-32	08/19/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-33	08/24/84	S	0.0	H	5		CH	PUMPXX	REDUCED LOAD TO CHANGEOVER REACTOR FEED PUMP.
84-34	08/26/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

SUMMARY

QUAD CITIES 2 EXPERIENCED A REACTOR SCRAM IN AUGUST AS DISCUSSED ABOVE.

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

****
* 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

INSPECTION ON MAY 20 - JUNE 23, (84-07): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; PROCEDURES; REGIONAL REQUESTS; REFUEL; SCRAMS; SPECIAL OBSERVATIONS; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; IE INFORMATION NOTICE FOLLOWUP; RADIATION PROTECTION; REVIEW OF CILRT AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 187 INSEPCTOR HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 35 INSPECTOR HRS ONSITE DURING OFF-SHIFTS, AND 19 BY REGION-BASED INSPECTORS. OF THE 14 AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO LOCAL LEAK RATE TEST A GASKETED PENETRATION; FAILURE TO QUANTIFY LEAKAGE DURING ILRT).

INSPECTION ON JUNE 25-28 AND JULY 6, (84-09): ROUTINE, UNANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, LABORATORY QUALITY CONTROL, AND COMPARISON OF LICENSEE ANALYSIS RESULTS WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) INCLUDING PROGRAM MANAGEMENT, QUALITY CONTROL, AND IMPLEMENTATION; AND (3) LICENSEE ACTIONS TAKEN ON OPEN ITEMS IDENTIFIED IN PREVIOUS INSPECTIONS. THE INSPECTION INVOLVED 49 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED DURING THIS INSPECTION.

INSPECTION ON JUNE 24 THROUGH AUGUST 5, (84-10): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; IE INFORMATION NOTICE FOLLOWUP; TMI ACTION PLAN FOLLOWUP; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; FOLLOWUP ON REGIONAL REQUESTS, FOLLOWUP ON 10 CFR PART 21 REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 242 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 49 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 15 AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO PERFORM CALIBRATION OF SAFETY RELATED INSTRUMENTS; INADEQUATE FIRE BARRIER).

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX J, SECTION III.A.1(A) REQUIRES THAT IF DURING A TYPE A TEST POTENTIALLY EXCESSIVE LEAKAGE PATHS ARE IDENTIFIED WHICH WILL INTERFERE WITH SATISFACTORY COMPLETION OF THE TEST OR WHICH WILL RESULT IN A TYPE A TEST NOT MEETING THE ACCEPTANCE CRITERIA, THE TYPE A TEST SHALL BE TERMINATED AND THE LEAKAGE THROUGH SUCH PATHS SHALL BE MEASURED USING LOCAL LEAKAGE TESTING METHODS. REPAIRS AND/OR ADJUSTMENTS TO EQUIPMENT SHALL BE MADE AND A TYPE A TEST SHALL BE PERFORMED. CONTRARY TO THE ABOVE, DURING THE PERFORMANCE OF A TYPE A TEST IN FEBRUARY 1984 A LEAKING FLANGE ON A HALF INCH TORUS LEVEL INSTRUMENT LINE WAS REPAIRED WITHOUT FIRST MEASURING ITS LEAKAGE RATE.
(8407 4)

10 CFR 50, APPENDIX J, SECTION II.G DEFINES TYPE B TESTS AS THOSE TESTS INTENDED TO DETECT LOCAL LEAKS AND MEASURE LEAKAGES ACROSS EACH PRESSURE-CONTAINING OR LEAKAGE-LIMITING BOUNDARY FOR CONTAINMENT PENETRATIONS WHOSE DESIGN INCORPORATES GASKETS AMONG OTHERS. SECTION III.B DESCRIBES THE TYPE B TEST ACCEPTABLE METHODS, TEST PRESSURE, AND ACCEPTANCE CRITERIA. SECTION III.D.2. PRESCRIBES THE SCHEDULE AND FREQUENCY OF TYPE B TEST TO BE AT EVERY REFUELING OUTAGE BUT IN NO CASE AT INTERVALS EXCEEDING 2 YEARS. CONTRARY TO THE ABOVE A TYPE B LOCAL LEAK RATE TEST HAS NOT BEEN PERFORMED ON A HALF INCH TORUS LEVEL INSTRUMENT LINE FLANGE SINCE IT WAS ORIGINALLY DECLARED OPERABLE ON FEBRUARY 1981. AS A RESULT OF THE INSPECTION CONDUCTED BETWEEN FEBRUARY 24, 1984 AND APRIL 26, 1984, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 10 CFR PART 2, APPENDIX C, 47 FR9987 (MARCH 9, 1982), THE FOLLOWING VIOLATION WAS IDENTIFIED: A. TECHNICAL SPECIFICATION 6.8.1 STATES IN PART THAT, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINTED..." ADMINISTRASTIVE PROCEDURE AP.2, "REVIEW, APPROVAL, AND MAINTENANCE OF PROCEDURES," REQUIRES THAT COSNTROLLED COPIES OF PROCEDURES BE PROPERLY MAINTAINED. CONTRARY TO THE ABOVE, ON APRIL 18, 1984, THE INSPECTOR OBSERVED THAT THE CONTROL ROOM CONTROLLED COPY OF THE SURVEILLANCE PROCEDURES MANUAL DID NOT CONTAIN THE LATEST REVISED COPIES OF SURVEILLANCE PROCEDURES SP 210.01A AND SP 210.01B. THESE TWO SURVEILLANCE PROCEDURES ARE FOR VERIFYING THE TWO AUXILIARY FEEDWATER PUMPS FLOW CAPACITY. THE MANUAL CONTAINED SP 210.01A, REV. 17, AND SP 210.01B, REV. 18, INSTEAD OF REVISIONS 18 AND 19 WHICH WERE ISSUED ON FEBRUARY 29 AND 19, 1984, RESPECTIVELY.
(8407 5)

OTHER ITEMS

SYSTEMS AND COMPONENT FROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 24-28, 1984

INSPECTION REPORT NO: 84-16

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06	06/01/84	06/25/84	WEEKLY POWER OPERATION SURV. INTERVAL EXCEEDED.
84-08	07/04/84	07/20/84	HPCI COOLING WATER RETURN VALVE FAILURE.

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1. Docket: 50-312 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: RON COLOMBO (916) 452-3211
4. Licensed Thermal Power (MWt): 2772
5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963
6. Design Electrical Rating (Net MWe): 918
7. Maximum Dependable Capacity (Gross MWe): 917
8. Maximum Dependable Capacity (Net MWe): 873
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	82,176.0
13. Hours Reactor Critical	360.9	3,992.8	48,344.4
14. Rx Reserve Shtdwn Hrs	.0	790.9	10,104.7
15. Hrs Generator On-Line	336.8	3,841.4	46,383.6
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	747,653	9,297,562	115,208,904
18. Gross Elec Ener (MWH)	252,288	3,104,302	38,500,374
19. Net Elec Ener (MWH)	225,122	2,898,041	36,272,365
20. Unit Service Factor	45.3	65.6	56.4
21. Unit Avail Factor	45.3	65.6	57.9
22. Unit Cap Factor (MDC Net)	34.7	56.7	50.6
23. Unit Cap Factor (DER Net)	33.0	53.9	48.1
24. Unit Forced Outage Rate	54.7	34.4	28.5
25. Forced Outage Hours	407.2	2,013.6	18,423.6

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

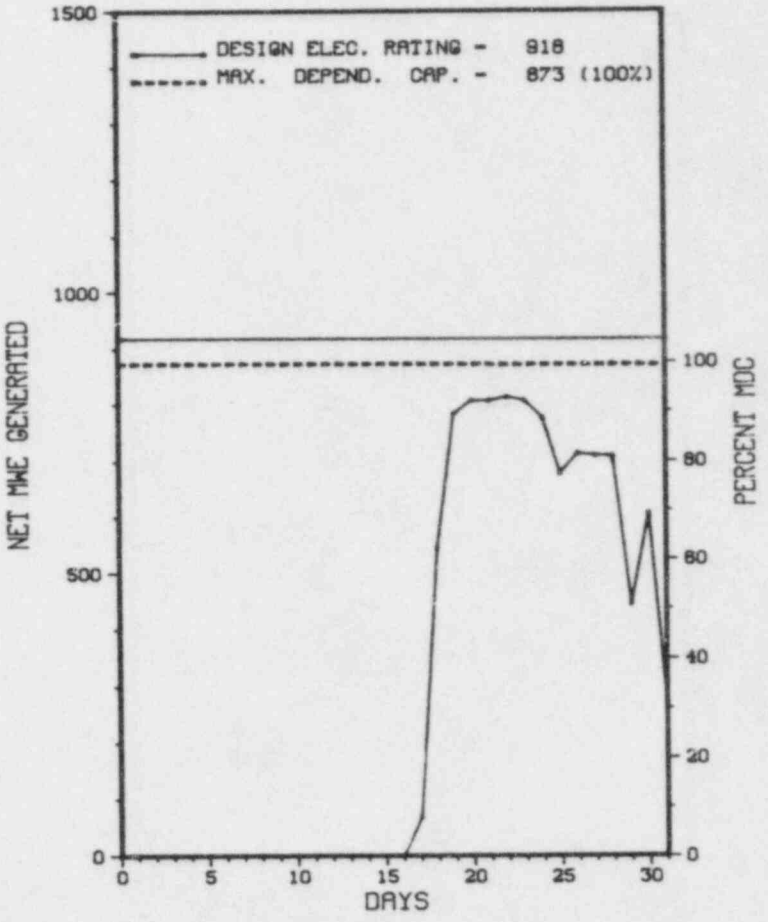
REFUELING - 1/11/85, THREE MONTHS

27. If Currently Shutdown Estimated Startup Date: 09/30/84

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	07/03/84	F	407.1	A	4	84-20	CI	HTEXCH	"B" OTSG TUBE LEAK.
9	08/31/84	F	0.1	A	1		CI	HTEXCH	"B" OTSG TUBE LEAK HIGH IODINE LEVEL.

****
* SUMMARY *
****

RANCHO SECO 1 REMAINED SHUT DOWN UNTIL AUGUST 17 FOR STEAM GENERATOR TUBE LEAK.

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.....CALIFORNIA

COUNTY.....SACRAMENTO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA

TYPE OF REACTOR.....P.W.R

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974

DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974

DATE COMMERCIAL OPERATE....APRIL 17, 1975

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....FOLSOM CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT

CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....J. ECKHARD

LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE....DPR-54, AUGUST 16, 1974

PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON JUNE 25-29, 1984 (REPORT NO. 50-312/84-13) AREAS INSPECTED: UNANNOUNCED INSPECTION BY A REGIONAL-BASED INSPECTOR OF CONSTRUCTION ACTIVITIES OF THE ELECTRICAL PORTION OF THE NEW DIESEL GENERATOR BUILDING. THE INSPECTION INVOLVED 43 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE AREAS EXAMINED, TWO VIOLATIONS WERE IDENTIFIED IN THE AREA OF STORAGE OF SAFETY-RELATED MOTOR CONTROL CENTERS AND CERTIFICATION OF QC INSPECTORS (FAILURE TO FOLLOW APPROVED QUALITY CONTROL PROCEDURES).

+ INSPECTION ON JUNE 26 - JULY 6, 1984 (REPORT NO. 50-312/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 18 - JULY 20, 1984 (REPORT NO. 50-312/84-15) AREAS INSPECTED: THIS ROUTINE INSPECTION WAS IN THE AREAS OF PLANT REVIEW COMMITTEE EVALUATION; ENGINEERING DESIGN REVIEW; PREVENTIVE MAINTENANCE; SURVEILLANCE; CONSTRUCTION ACTIVITY; AND OPERATIONAL SAFETY VERIFICATION. THE INSPECTION INVOLVED 189 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS AND ONE SENIOR REACTOR ENGINEER.

RESULTS: OF THE AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF ENGINEERING DESIGN REVIEW.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-312/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

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

INSPECTION SUMMARY

+ INSPECTION ON JULY 23-31, 1984 (REPORT NO. 50-312/84-18) AREAS INSPECTED: REVIEW OF EMERGENCY RESPONSE ACTIONS BY SECURITY ORGANIZATION AND OTHERS AS RELATED TO A JUNE 12, 1984 ACCIDENT; INDEPENDENT REVIEW AND FOLLOWUP OF ITEM IDENTIFIED IN PREVIOUS SECURITY INSPECTION. THE INSPECTION INVOLVED 48 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 19 - AUGUST 24, 1984 (REPORT NO. 50-312/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 10-14, 1984 (REPORT NO. 50-312/84-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ EXAMINATIONS ON JULY 5, 6, 13, 16 AND 17, 1984 (REPORT NO. 50-312/OL-84-02) DURING THIS REQUALIFICATION CYCLE, EIGHT LICENSED OPERATORS (TWO REACTOR OPERATORS (RO) AND SIX SENIOR REACTOR OPERATORS (SRO)) WERE EXAMINED. FOUR OF THE SRO'S TOOK A NRC WRITTEN EXAM. ONE SRO AND ONE RO RECEIVED ORAL EXAMS FROM AN NRC EXAMINER; AND FURTHER, THE NRC EXAMINER OBSERVED THE SMUD TRAINING STAFF CONDUCTING ONE SRO AND ONE RO ORAL EXAM. ALL OF THE CANDIDATES WHO TOOK THEM PASSED THE NRC WRITTEN AND OPERATING EXAMS. BASED ON THE NUREG-1021 CRITERIA, THE REQUALIFICATION PROGRAM AT RANCHO SECO IS EVALUATED AS SATISFACTORY.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ ON JULY [illegible] THE PLANT WAS SHUTDOWN FROM 68 PERCENT POWER DUE TO A LEAK IN THE "B" OTSG. DURING COOLDOWN, AN UNPLANNED TRIP OCCURRED WHILE THE REACTOR WAS SUBCRITICAL WITH SAFETY RODS IN A FULL OUT POSITION. THE PLANT REMAINED IN COLD SHUTDOWN THE REST OF THE MONTH.

LAST IE SITE INSPECTION DATE: 09/10-14/84+

INSPECTION REPORT NO: 50-312/84-20+

REPORTS FROM LICENSEE

RANCHO SECO 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-261 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: A. E. SCOTT (803) 383-4524
4. Licensed Thermal Power (MWt): 2300
5. Nameplate Rating (Gross MWe): 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	5,855.0	118,301.0
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,[illegible]5.9
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)	-1,648	210,313	49,429,937
20. Unit Service Factor	.0	10.5	69.4
21. Unit Avail Factor	.0	10.5	69.4
22. Unit Cap Factor (MDC Net)	.0	5.4	62.8
23. Unit Cap Factor (DER Net)	.0	5.1	59.7
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):

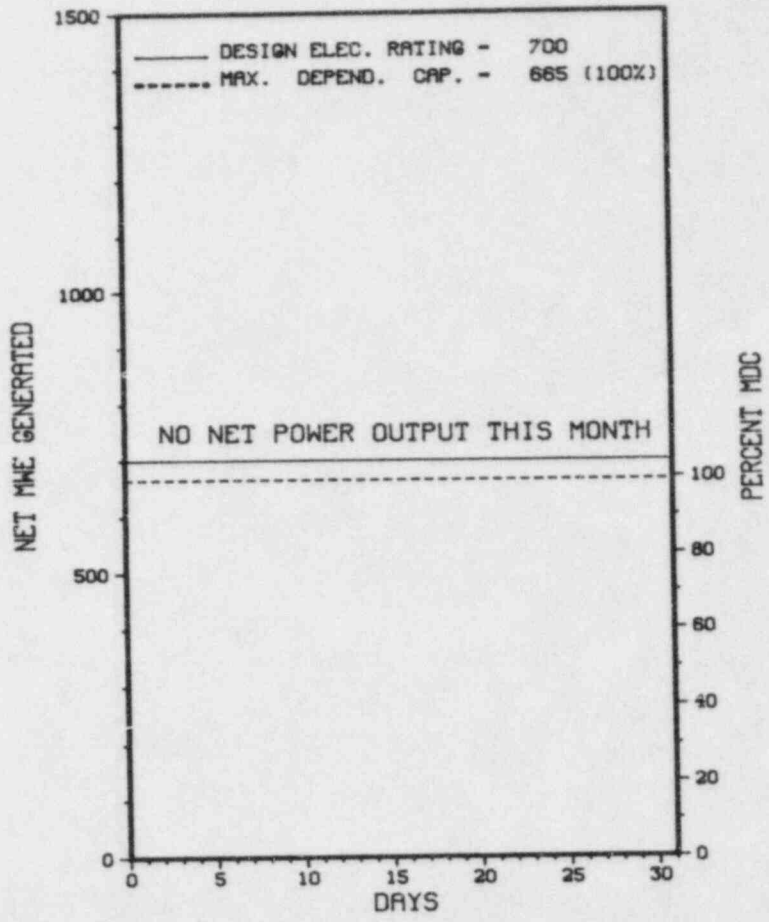
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
0801	01/26/84	S	744.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

****
* SUMMARY *
****

ROBINSON 2 REMAINED SHUT DOWN IN AUGUST FOR REFUELING AND STEAM GENERATOR REPLACEMENT.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....DARLINGTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970

DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970

DATE COMMERCIAL OPERATE....MARCH 7, 1971

CONDENSER COOLING METHOD...RECIRCULATION

CONDENSER COOLING WATER....ROBINSON IMPOUNDMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....S. WEISE

LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261

LICENSE & DATE ISSUANCE....DPR-23, SEPTEMBER 23, 1970

PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 11 - AUGUST 10 (84-26): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 48 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE BULLETIN, AND NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, AND ENFORCEMENT ACTION FOLLOWUP. OF THE 15 AREAS INSPECTED, NO VIOLATION OR DEVIATIONS WERE IDENTIFIED IN 14 AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO ESTABLISH SUITABLE CONTROLS). NO APPARENT DEVIATIONS WAS FOUND IN ANY AREA.

INSPECTION JULY 25-27 (84-27): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFOCEMENT MATTERS, STEAM GENERATOR REPLACEMENT PROJECT, PRESERVICE INSPECTION/INSERVICE INSPECTION AND INSPECTOR FOLLOWUP ITEMS. TWO VIOLATIONS: FAILURE TO IDENTIFY VALVE STATUS, AND FAILURE TO FOLLOW RT CODE. NO DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 9-10 (84-31): THIS SPECIAL UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING CORRECTIVE ACTIONS TAKEN BY THE LICENSEE TO CONTROL ACCESS TO LOCKED HIGH RADIATION AREAS. A SECOND EXAMPLE OF A PREVIOUSLY CITED VIOLATION WAS IDENTIFIED RELATED TO IMPROPER CONTROLS OVER ENTRY INTO A LOCKED HIGH RADIATION AREA.

ENFORCEMENT SUMMARY

10 CFR 20.103(A)(3) REQUIRES THE LICENSEE TO USE SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR FOR DETECTING AND EVALUATING AIRBORNE RADIOACTIVITY IN RESTRICTED AREAS. CONTRARY TO THE ABOVE, THE REQUIREMENT TO USE SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIAL IN AIR WAS NOT MET IN THAT AIR SAMPLES PERFORMED ON MAY 24, 1984 TO EVALUATE AIRBORNE RADIOACTIVITY LEVELS IN THE "A" STEAM GENERATOR CHANNEL HEAD WERE NOT TAKEN NEAR THE BREATHING ZONE OF THE WORKERS.

TECHNICAL SPECIFICATION 6.5.1.1.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, REV. 2, FEBRUARY 1978. APPENDIX "A" REGULATORY GUIDE 1.33 STATES THAT THE LICENSEE SHOULD HAVE PROCEDURES FOR A RADIATION WORK PERMIT (RWP) SYSTEM. HEALTH PHYSICS PROCEDURE HP-006, RADIATION WORK PERMITS REQUIRES THAT INDIVIDUALS KNOW AND UNDERSTAND RWP'S PRIOR TO ENTERING THE RADIATION CONTROL AREA. PROCEDURE HP-006 ALSO SPECIFIES THAT A HEALTH PHYSICS TECHNICIAN, WHEN RENDERING CONTINUOUS COVERAGE FOR A JOB, IS RESPONSIBLE FOR ASSURING RWP REQUIREMENTS ARE MET. CONTRARY TO THE ABOVE, PROCEDURE HP-006 WAS NOT FOLLOWED IN THAT: A) ON MAY 24, 1984, INDIVIDUALS ENTERED "A" STEAM GENERATOR CHANNEL HEAD WITHOUT RESPIRATORY PROTECTION EQUIPMENT REQUIRED BY RWP #2051, AND B) THE HEALTH PHYSICS TECHNICIAN RENDERING CONTINUOUS COVERAGE FOR THIS JOB DID NOT ASSURE THAT THE RWP REQUIREMENTS ARE MET.NRC ORDER DATED MARCH 14, 1983 REQUIRES, IN PART, THAT THE LICENSEE IMPLEMENT AND MAINTAIN THE POST ACCIDENT MONITORING CAPABILITY SET FORTH IN NUREG 0737, ITEM II.F.1. NUREG 0737, ITEM II.F.1, ATTACHMENT 3, SPECIFIES THAT THE LICENSEE PROVIDE TWO CONTAINMENT HIGH-RANGE RADIATION MONITORS WHICH MEET THE REQUIREMENTS OF TABLE II.F.1-3. TABLE II.F.1-3 SPECIFIES THAT A ONSITE CALIBRATION BY ELECTRONIC SIGNAL SUBSTITUTION IS TO BE PERFORMED FOR ALL RANGE DECADES ABOVE 10 R/HR. CONTRARY TO THE ABOVE, AS OF MAY 12, 1982, THE TWO HIGH-RANGE PRIMARY CONTAINMENT RADIATION MONITORS, RM-32 "A" AND "B" HAD NOT BEEN CALIBRATED BY ELECTRONIC SIGNAL SUBSTITUTION THROUGH EACH DECADE UP TO 1 E(7 R/HR.
(8417 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION II, SUITABLE CONTROLS WERE NOT ESTABLISHED TO PREVENT ENTRY OF FOREIGN MATERIAL INTO THE CONTAINMENT SUMP SUCTION PIPING FOR THE RHR PUMPS.
(8426 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, VALVES BYPASSED RECEIVING INSPECTION AND THUS WERE NOT STATUS MARKED WHICH LEAD TO IMPROPER STORAGE. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION IX, THE LICENSEE FAILED TO PERFORM RADIOGRAPHY IN ACCORDANCE WITH THE APPLICABLE CODE.
(8427 4)

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: AUGUST 9-10, 1984 +

INSPECTION REPORT NO: 50-261/84-31 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006	06/21/84	07/20/84	UNIT SHUTDOWN IN S/G REPLACEMENT OUTAGE AND FUEL IN SPENT FUEL PIT, A SAFETY INJECTION SIGNAL RECEIVED AT 1024 HRS.
84-008	06/26/84	07/26/84	CONDENSATE STORAGE TANK LEVEL TRANSMITTERS WERE IDENTIFIED AS OUT OF CALIBRATION, BOTH TRANSMITTERS WERE RECALIBRATED.
84-009	07/09/84	08/09/84	DATA REVEALED A NON-LINER ERROR OVER THE RANGE OF THE INSTRUMENTS, THE MOST LIKELY CAUSE WAS PERSONNEL ERROR.

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1. Docket: 50-272 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. K. MILLER (609) 935-6000 X4455
4. Licensed Thermal Power (MWt): 3338
5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170
6. Design Electrical Rating (Net MWe): 1090
7. Maximum Dependable Capacity (Gross MWe): 1124
8. Maximum Dependable Capacity (Net MWe): 1079
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	62,880.0
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)	-5,029	1,201,536	31,172,848
20. Unit Service Factor	.0	20.5	52.4
21. Unit Avail Factor	.0	20.5	52.4
22. Unit Cap Factor (MDC Net)	.0	19.0	45.9
23. Unit Cap Factor (DER Net)	.0	18.8	45.5
24. Unit Forced Outage Rate	100.0	65.8	33.0
25. Forced Outage Hours	744.0	2,306.2	16,529.5

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

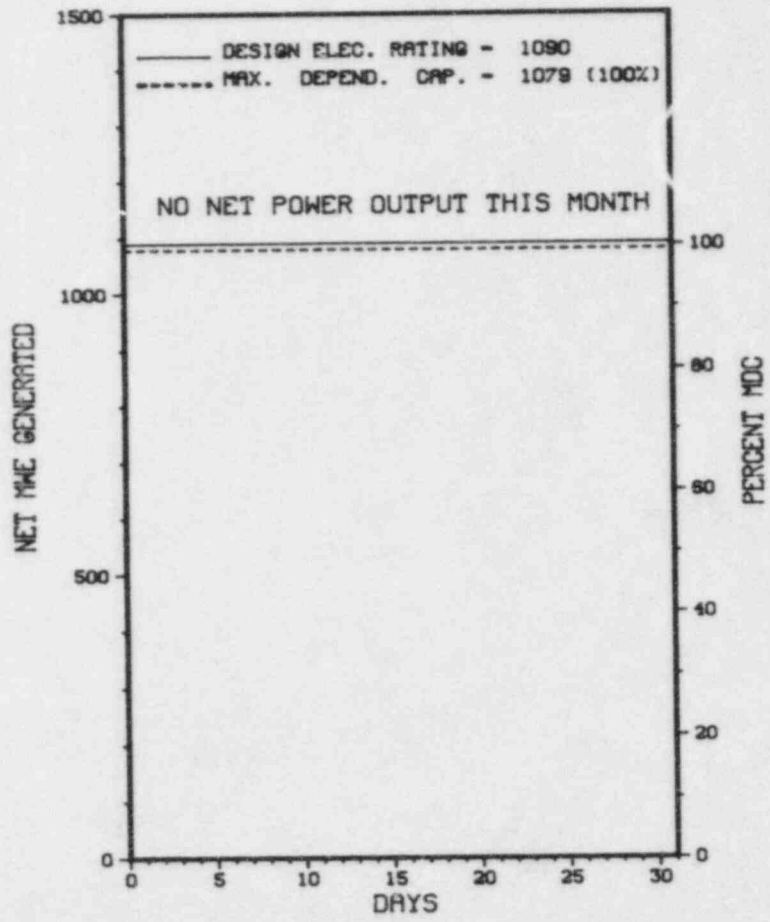
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-176	07/09/84	F	744.0	A	4		HA	GENERA	GENERATOR LIQUID COOLING SYSTEM.

****
* SUMMARY *
****

SALEM 1 REMAINS SHUT DOWN FOR A GENERATOR LIQUID COOLING SYSTEM PROBLEM.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 11, 1976

DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976

DATE COMMERCIAL OPERATE....JUNE 30, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272

LICENSE & DATE ISSUANCE....DPR-70, DECEMBER 1, 1976

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112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO THE ORDER MODIFYING THE LICENSE DATED MAY 6, 1983, THE LICENSEE FAILED TO PERFORM A REVIEW OF VENDOR MANUALS FOR POST MAINTENANCE TESTING RECOMMENDATIONS. THE REVIEW AND ANY NECESSARY CHANGES TO DEPARTMENTAL PROCEDURES WERE TO BE COMPLETED BY JANUARY 1984.
(8403 4)

CONTRARY TO THE MAY 6, 1983 ORDER MODIFYING THE LICENSE IMMEDIATELY, ON MAY 1, 1984, THE MEL WAS NOT COMPLETE AND ACCURATE AS INDICATED IN THE EXAMPLES BELOW. EVEN THOUGH THE MEL IDENTIFIED THE COMPONENTS INVOLVED AS SAFETY RELATED AND FUNCTIONALLY SAFETY RELATED COMPONENTS RESPECTIVELY IN THE NONSAFETY RELATED PORTION OF THE FEEDWATER SYSTEM, MISCLASSIFICATIONS OCCURRED AS RESULT OF FAILURES OF THE MEL TO ALSO CLASSIFY THEM AS COMPONENTS IN THE SAFETY RELATED REACTOR PROTECTION AND ENGINEERED SAFETY FEATURES ACTUATION SYSTEMS, RESPECTIVELY. A) WORK ORDER MD 946229 WAS NOT CLASSIFIED AS SAFETY RELATED FOR REPLACEMENT OF THE NO. 23 FEEDWATER FLOW NOZZLE F-659-2; AND, B) WORK ORDER MD 946237 WAS NOT CLASSIFIED AS SAFETY RELATED FOR WORK ON THE NO. 23 FEEDWATER MAIN REGULATING BYPASS VALVE (23BF40).
(8415 4)

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. THE MAY 6, 1983 ORDER MODIFYING THE LICENSE REQUIRES IN PART THAT: "THE LICENSEE SHALL IMPLEMENT AND/OR MAINTAIN THE ITEMS SPECIFIED IN ATTACHMENT 1 TO THIS ORDER, AS MORE FULLY DESCRIBED AND IN THE MANNER DESCRIBED IN THE LICENSEE'S SUBMITTALS DATED MARCH 14, APRIL 4, AND APRIL 7 AND 8, 1983, NO LATER THAN THE DATES SPECIFIED IN ATTACHMENT 1,...". ATTACHMENT 1, ITEM C.2.6.1 REQUIRES THAT PSE&G: "VERIFY COMPLETENESS AND ACCURACY OF MEL FOR REMAINING Q LIST SYSTEMS AND REISSUE AS A CONTROLLED DOCUMENT. MAY 1983" CONTRARY TO THE THESE REQUIREMENTS, PSE&G MANAGEMENT FAILED TO TAKE ADEQUATE MEASURES TO CORRECT DISCREPANCIES IN THE MASTER EQUIPMENT LIST, SO THAT THE LIST OF COMPLETE, ACCURATE AND THAT PERSONNEL CLEARLY UNDERSTAND ITS PROPER USE. TECHNICAL SPECIFICATION 6.8.1 AND REGULATORY GUIDE 1.33, REVISION 2, NOVEMBER 1978, REQUIRE DEVELOPMENT AND IMPLEMENTATION OF PROCEDURES TO PROTECT SAFETY-RELATED ITEMS FROM DAMAGE AND DETERIORATION. PROCUREMENT AND MATERIAL CONTROL PROCEDURE M11-P-500 PARAGRAPH 4.2 REQUIRES THAT EACH SAFETY-RELATED ITEM BE CLASSIFIED FOR PROPER STORAGE. PARAGRAPH 4.4 DEFINES THE STORAGE REQUIREMENTS FOR EACH OF THE STORAGE CLASSIFICATIONS. CONTRARY TO THE ABOVE, ON MAY 9, 1983, THE LICENSEE HAD TWO SAFETY RELATED COMPONENTS, A CHEM PUMP, FOLIO NUMBER 33-7033, AND A TYPE D REGULATOR, FOLIO NUMBER 40-8131, CLASSIFIED FOR LEVEL "A" STORAGE STORED IN THE WAREHOUSE IN LESS THAN A LEVEL "A" STORAGE AREA. IN ADDITION, TWO ITEMS, FOLIO NUMBERS 60-6270 AND 60-6273, WERE CLASSIFIED FOR LEVEL "B" STORAGE AND WERE STORED OUTDOOR IN LESS THAN A LEVEL "B" STORAGE AREA.
(8416 4)

TECHNICAL SPECIFICATION 6.8.1.C REQUIRES THAT WRITTEN PROCEDURES COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT SHALL BE ESTABLISHED. CONTRARY TO THE ABOVE, ON JULY 5, 1984, NO PROCEDURE HAD BEEN ESTABLISHED TO PERFORM THE FUNCTIONAL TESTING OF MECHNICAL SNUBBERS AS REQUIRED BY TECHNICAL SPECIFICATION 4.7.9 C AND E.
(8423 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

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.

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1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. K. MILLER (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	25,296.0
13. Hours Reactor Critical	575.8	2,630.9	14,339.4
14. Rx Reserve Shtdwn Hrs	.0	1,443.0	3,533.6
15. Hrs Generator On-Line	555.8	2,455.2	13,872.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,823,350	7,966,695	41,437,767
18. Gross Elec Ener (MWH)	605,460	2,643,560	13,511,850
19. Net Elec Ener (MWH)	577,255	2,481,323	12,798,574
20. Unit Service Factor	74.7	41.9	54.8
21. Unit Avail Factor	74.7	41.9	54.8
22. Unit Cap Factor (MDC Net)	70.2	38.3	45.7
23. Unit Cap Factor (DER Net)	69.6	38.0	45.4
24. Unit Forced Outage Rate	25.3	58.1	35.3
25. Forced Outage Hours	188.2	3,399.8	7,582.9

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

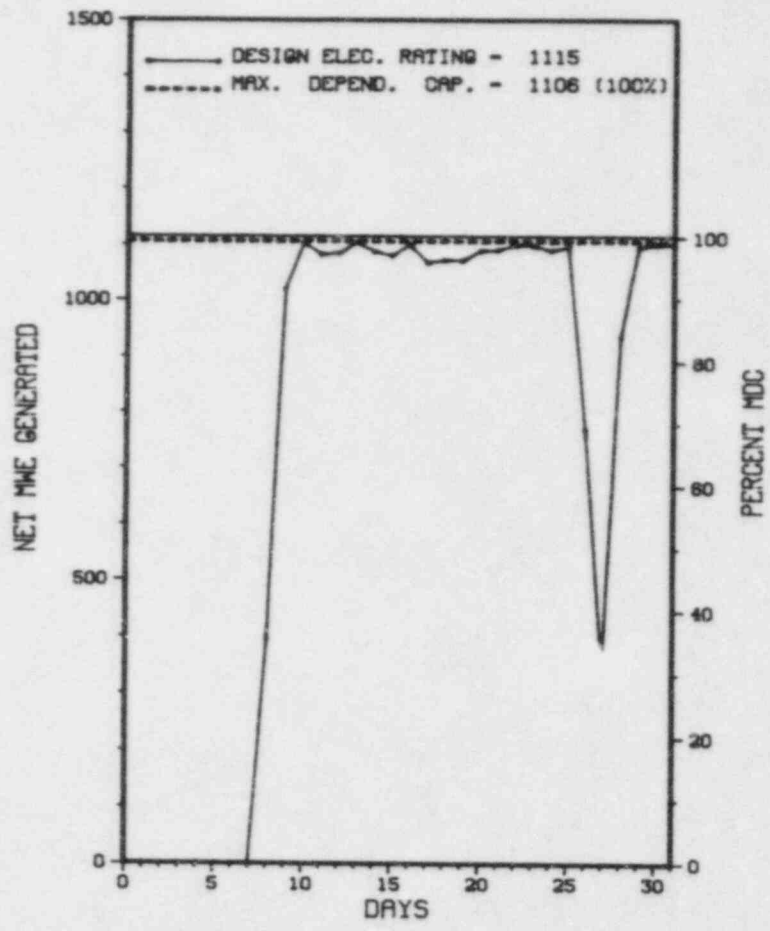
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-218	07/25/84	F	173.2	A	3		CJ	VALVEX	POWER OPERATED RELIEF AND SAFETY/RELIEF VALVES REACTOR.
84-232	08/26/84	F	15.0	A	3		CH	PUMPXX	FEEDWATER PUMP REPAIRS.
84-234	08/27/84	F	0.0	A	5		CH	PUMPXX	FEEDWATER PUMP REPAIRS.

****
* SUMMARY *
****

SALEM 2 INCURRED 2 SHUTDOWNS IN AUGUST AS DETAILED ABOVE.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1980

DATE ELEC ENER 1ST GENER...JUNE 3, 1981

DATE COMMERCIAL OPERATE....OCTOBER 13, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE....DPR-75, MAY 20, 1981

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO THE ORDER MODIFYING THE LICENSE DATED MAY 6, 1983, THE LICENSEE FAILED TO PERFORM A REVIEW OF VENDOR MANUALS FOR POST MAINTENANCE TESTING RECOMMENDATIONS. THE REVIEW AND ANY NECESSARY CHANGES TO DEPARTMENTAL PROCEDURES WERE TO BE COMPLETED BY JANUARY 1984.
(8403 4)

CONTRARY TO THE MAY 6, 1983 ORDER MODIFYING THE LICENSE IMMEDIATELY, ON MAY 1, 1984, THE MEL WAS NOT COMPLETE AND ACCURATE AS INDICATED IN THE EXAMPLES BELOW. EVEN THOUGH THE MEL IDENTIFIED THE COMPONENTS INVOLVED AS SAFETY RELATED AND FUNCTIONALLY SAFETY RELATED COMPONENTS RESPECTIVELY IN THE NONSAFETY RELATED PORTION OF THE FEEDWATER SYSTEM, MISCLASSIFICATIONS OCCURRED AS RESULT OF FAILURES OF THE MEL TO ALSO CLASSIFY THEM AS COMPONENTS IN THE SAFETY RELATED REACTOR PROTECTION AND ENGINEERED SAFETY FEATURES ACTUATION SYSTEMS, RESPECTIVELY. A) WORK ORDER MD 946229 WAS NOT CLASSIFIED AS SAFETY RELATED FOR REPLACEMENT OF THE NO. 23 FEEDWATER FLOW NOZZLE F-659-2; AND, B) WORK ORDER MD 946237 WAS NOT CLASSIFIED AS SAFETY RELATED FOR WORK ON THE NO. 23 FEEDWATER MAIN REGULATING BYPASS VALVE (23BF40). CONTRARY TO 10 CFR 50 APPENDIX B, CRITERION XVI AND SECTION 12.2.16 OF THE SALEM GENERATING STATION UFSAR THE LICENSEE QUALITY ASSURANCE PROGRAM, THE LICENSEE DID NOT TAKE ADEQUATE CORRECTIVE ACTION FOR THE

ENFORCEMENT SUMMARY

EVENTS REPORTED IN LER 311/84-006, IN THAT ADEQUATE PROCEDURES HAVE NOT BEEN DEVELOPED TO ENSURE THAT ROD POSITION INDICATION COULD BE RESTORED I SUFFICIENT TIME SO THAT THE 2A AND 2C EMERGENCY DIESEL GENERATORS COULD BE TESTED WITHIN THE ONE HOUR REQUIRED BY TECHNICAL SPECIFICATION DEENERGIZED ON MARCH 18, 1984. CONTRARY TO TECHNICAL SPECIFICATION 6.8.1.A,: (1)21-24 BF 13 WERE NOT CLOSED IN ACCORDANCE WITH INTEGRATED OPERATING PROCEDURE 8, MAINTAINING HOT STANDBY, AND OPERATING INSTRUCTION III.9.3.4, PLACING THE CONDENSATE SYSTEM IN SERVICE FOR CLEANUP ON APRIL 6, 1984; (2) THE SORC DID NOT CONDUCT A THOROUGH REVIEW IN ACCORDANCE WITH ADMINISTRATIVE DIRECTIVE 16, POST REACTOR TRIP/SAFETY INJECTION REVIEW, OF A REACTOR TRIP FOR WHICH THE CAUSE HAD NOT BEEN CLEARLY DETERMINED PRIOR TO REACTOR STARTUP ON APRIL 23, 1984.
(8415 4)

10CFR50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. THE MAY 6, 1983 ORDER MODIFYING THE LICENSE REQUIRES IN PART THAT: "THE LICENSEE SHALL IMPLEMENT AND/OR MAINTAIN THE ITEMS SPECIFIED IN ATTACHMENT 1 TO THIS ORDER, AS MORE FULLY DESCRIBED AND IN THE MANNER DESCRIBED IN THE LICENSEE'S SUBMITTALS DATED MARCH 14, APRIL 4, AND APRIL 7 AND 8, 1983, NO LATER THAN THE DATES SPECIFIED IN ATTACHMENT 1,...". ATTACHMENT 1, ITEM C.2.B.1 REQUIRES THAT PSE&G: "VERIFY COMPLETENESS AND ACCURANCE OF MEL FOR REMAINING Q LIST SYSTEMS AND REISSUE AS A CONTROLLED DOCUMENT. MAY 1983" CONTRARY TO THESE REQUIREMENTS, PSE&G MANAGEMENT FAILED TO TAKE ADEQUATE MEASURES TO CORRECT DISCREPANCIES IN THE MASTER EQUIPMENT LIST, SO THAT THE LIST IS COMPLETE, ACCURATE AND THAT PERSONNEL CLEARLY UNDERSTAND ITS PROPER USE. TECHNICAL SPECIFICATION 6.8.1 AND REGULATORY GUIDE 1.33, REVISION 2, NOVEMBER 1978, REQUIRE DEVELOPMENT AND IMPLEMENTATION OF PROCEDURES TO PROTECT SAFETY-RELATED ITEMS FROM DAMAGE AND DETERIORATION. PROCUREMENT AND MATERIAL CONTROL PROCEDURE M11-P-500 PARAGRAPH 4.2 REQUIRES THAT EACH SAFETY-RELATED ITEM BE CLASSIFIED FOR PROPER STORAGE. PARAGRAPH 4.4 DEFINES THE STORAGE REQUIREMENTS FOR EACH OF THE STORAGE CLASSIFICATIONS. CONTRARY TO THE ABOVE, ON MAY 9, 1983, THE LICENSEE HAD TWO SAFETY-RELATED COMPONENTS, A CHEM PUMP, FOLIO NUMBER 33-7033, AND A TYPE D REGULATOR, FOLIO NUMBER 40-8131, CLASSIFIED FOR LEVEL "A" STORAGE STORED IN THE WAREHOUSE IN LESS THAN A LEVEL "A" STORAGE AREA. IN ADDITION, TWO ITEMS, FOLIO NUMBERS 60-6270 AND 60-6273, WERE CLASSIFIED FOR LEVEL "B" STORAGE AND WERE STORED OUTDOOR IN LESS THAN A LEVEL "B" STORAGE AREA.
(8416 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.

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1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	150,895.0
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)	-1,085	-13,302	34,928,457
20. Unit Service Factor	.0	.0	56.2
21. Unit Avail Factor	.0	.0	56.2
22. Unit Cap Factor (MDC Net)	.0	.0	53.1
23. Unit Cap Factor (DER Net)	.0	.0	53.1
24. Unit Forced Outage Rate	.0	.0	21.1
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: 10/16/84

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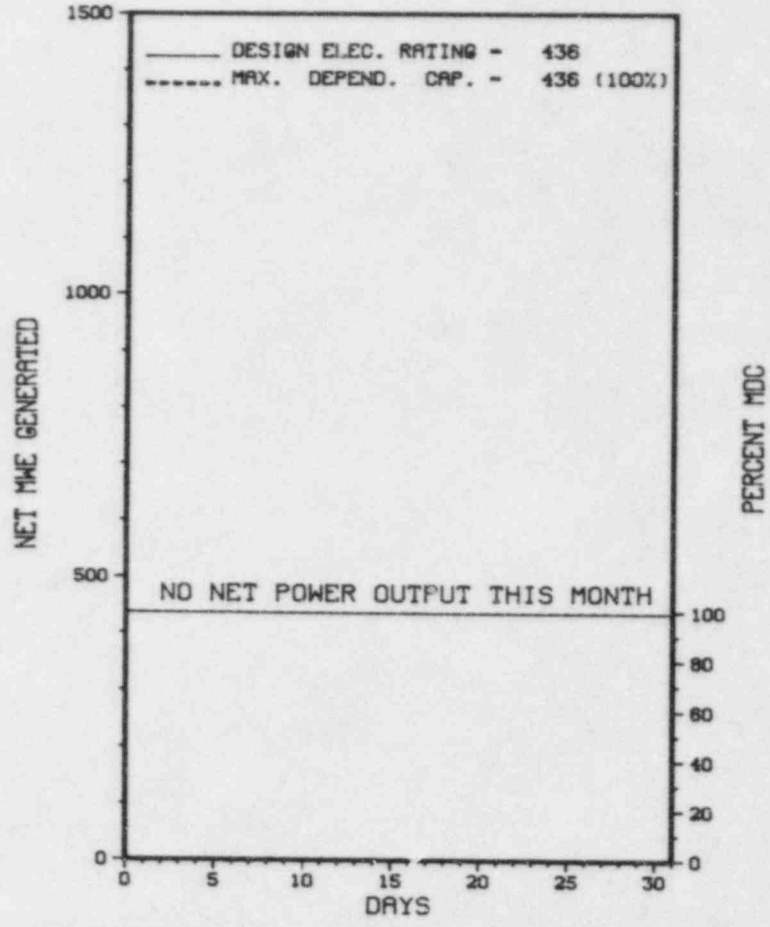
* SAN [illegible] RE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	744.0	B	4		ZZ		EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

SUMMARY

SAN ONOFRE 1 REMAINS SHUT DOWN FOR SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE

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

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

FACILITY DATA

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 APRIL 30 - JUNE 11,1984 (REPORT NO. 50-206/84-13) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION; EVALUATION OF PLANT TRIPS; LICENSEE EVENT REPORT REVIEW; MONTHLY SURVEILLANCE ACTIVITIES; MONTHLY MAINTENANCE ACTIVITIES; IE BULLETIN FOLLOWUP; AND INDEPENDENT INSPECTION. IN ADDITION, INSPECTION ACTIVITY BY AN NRC CONTRACTOR, LAWRENCE LIVERMORE NATIONAL LABORATORY (LLNL) MODIFICATIONS IS INCLUDED. THE INSPECTION INVOLVED 155 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 160 INSPECTOR-HOURS ONSITE BY 3 NRC CONTRACT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-206/84-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 18-21, 1984 (REPORT NO. 50-206/84-15) REPORT CANCELLED.

+ INSPECTION ON JULY 16-27, 1984 (REPORT NO. 50-206/84-16) AREAS INSPECTED: A SPECIAL, UNANNOUNCED TEAM INSPECTION OF MECHANICAL, ELECTRICAL, DESIGN, AND OPERATIONS ACTIVITIES ASSOCIATED WITH HARDWARE MODIFICATIONS, PLANT MAINTENANCE AND PERFORMANCE OF SHIFT PERSONNEL. ALSO INCLUDED IN THIS INSPECTION WERE FOLLOWUP ITEMS REQUIRED FOR RESTART SUCH AS TMI REQUIREMENTS AND FIRE PROTECTION, AND A REVIEW OF CORRECTED DEFICIENCIES ASSOCIATED WITH THE OPERATIONAL RADIATION MONITORING SYSTEM (ORMS). THE INSPECTION INVOLVED 688 INSPECTOR-HOURS ONSITE BY 12 NRC INSPECTORS, AND 188 HOURS BY THREE NRC CONSULTANTS.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 26-29, 1984 & JULY 16-20, 1984 (REPORT NO. 50-206/84-17) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: LICENSEE EVENT REPORTING SYSTEM AND LICENSEE ACTION ON INDIVIDUAL LICENSEE EVENT REPORTS; LICENSEE EVENT REVIEW GROUP PERFORMANCE INCLUDING THE POST TRIP/TRANSIENT REVIEW PROCESS; LICENSEE ACTION ON IE BULLETINS; AND OFFSITE REVIEW GROUP RESPONSIBILITIES. THE INSPECTION INVOLVED THREE INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THE INSPECTION ALSO INVOLVED TWO INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-206/84-18) AREAS INSPECTED: FOLLOWUP ON INFORMATION NOTICE 84-07; SECURITY EVENTS FOLLOWUP; SAFETY/SECURITY ASSESSMENT REPORT FOLLOWUP; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PA; PHYSICAL BARRIERS-VA; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PA; DETECTION AIDS-VA; ALARM STATIONS; COMMUNICATIONS; PHYSICAL PROTECTION SAFEGUARDS INFORMATION; INDEPENDENT INSPECTION EFFORT AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-206/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 6-10, 1984 (REPORT NO. 50-206/84-20) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: INDEPENDENT OFFSITE REVIEW GROUP ACTIVITIES; LICENSEE EVENT REVIEW GROUP PERFORMANCE; REVIEW OF QUALITY ASSURANCE PROGRAM CHANGES; LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENTS; LICENSEE EVENT REPORTS; AND LICENSEE ACTION ON A 10 CFR 21 REPORT. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 10 INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 6-17, 1984 (REPORT NO. 50-206/84-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 13-17, 1984 (REPORT NO. 50-206/84-22) REPORT CANCELLED.

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

OTHER ITEMS

AWAITING NRC RESOLUTION OF THE SEISMIC ISSUE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT HAS BEEN IN COLD SHUTDOWN SINCE FEBRUARY 1982, FOR EXTENSIVE SEISMIC REWORK. IN JUNE 1983, THE LICENSEE SUBMITTED TO NRR DESCRIPTIONS OF TWO PLANS FOR SONGS UNIT 1 AS WELL AS AN INDICATION OF THE CONTINUING ACTIONS WHICH WILL BE TAKEN UNTIL THE RESUMPTION OF POWER OPERATION. GENERALLY, THE LICENSEE WILL CONTINUE WORK TO COMPLETE NECESSARY MODIFICATIONS TO MAINTAIN THE PLANT IN MODE 5. AT THIS POINT, MODIFICATION EFFORTS WILL CEASE, AND A HOLD ON UNIT 1 ACTIVITIES WILL BE ASSUMED UNTIL AN ACCORD IS REACHED WITH NRR ON THE PLAN FOR RETURNING UNIT 1 TO POWER.

LAST IE SITE INSPECTION DATE: 07/27-09/07/84+

INSPECTION REPORT NO: 50-206/84-19+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06-L0	06-04-84	07-05-84	CONTAINMENT FIRE PROTECTION SYSTEM INOPERABLE DURING ILRT

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1. Docket: 50-361 OPERATING STATUS
2. Reporting Period: 08/01/84 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	5,855.0	9,360.0
13. Hours Reactor Critical	700.0	4,079.5	6,692.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	692.1	3,977.9	6,539.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,234,711	12,926,028	21,419,563
18. Gross Elec Ener (MWH)	733,464	4,338,716	7,250,680
19. Net Elec Ener (MWH)	695,670	4,097,488	6,873,132
20. Unit Service Factor	93.0	67.9	69.9
21. Unit Avail Factor	93.0	67.9	69.9
22. Unit Cap Factor (MDC Net)	87.4	65.3	68.6
23. Unit Cap Factor (DER Net)	87.4	65.3	68.6
24. Unit Forced Outage Rate	7.0	5.0	4.5
25. Forced Outage Hours	51.9	208.7	309.6

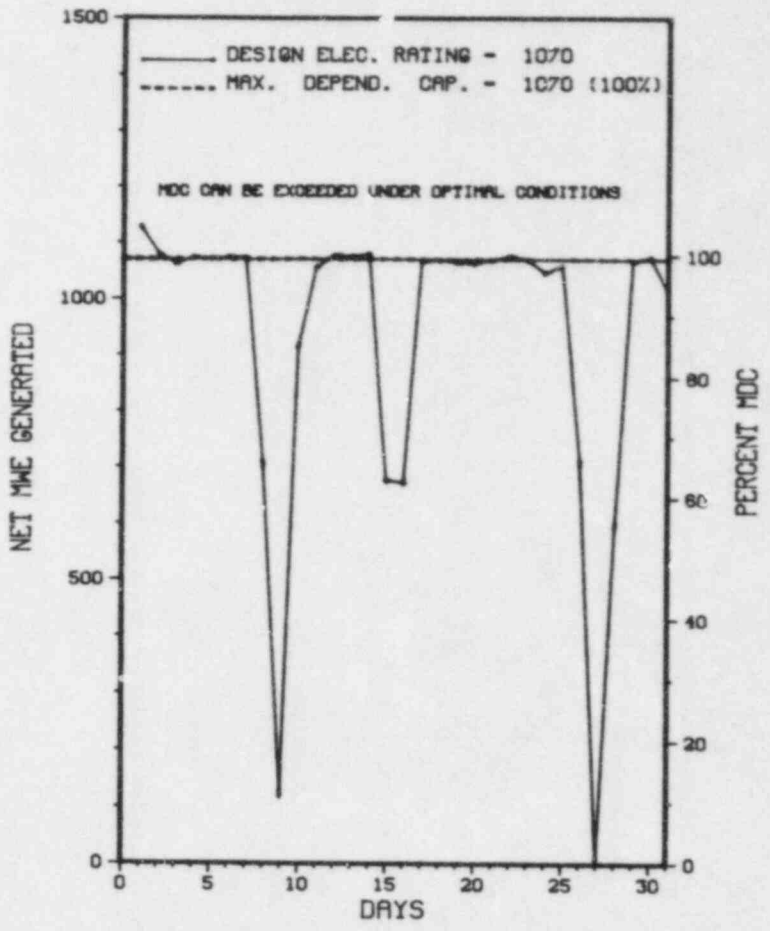
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING, 10/16/84, 3 1/2 MONTH DURATION

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/08/84	F	24.3	A	3	84-043	JC	JX	REACTOR AND TURBINE TRIP DUE TO SPURIOUS LOW DNRB SIGNALS DUE TO POWER SUPPLY FAILURE. FAULTY POWER SUPPLY REPLACED.
7	08/15/84	S	0.0	H	5				REACTOR POWER REDUCED TO 46% FOR CLEANING OF INTAKE STRUCTURE.
8	08/26/84	F	27.6	A	3	84-050	ED	EKR	TURBINE TRIP AND SUBSEQUENT REACTOR TRIP DUE TO LOW DNBR/HIGH LPD CAUSED BY FAULTY FEEDER BREAKER. THE FEEDER BREAKER WAS REPLACED.

SUMMARY

SAN ONOFRE 2 EXPERIENCED 2 SHUTDOWNS IN AUGUST AS DISCUSSED ABOVE.

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

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

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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

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242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON APRIL 30 - JUNE 11, 1984 (REPORT NO. 50-361/84-16) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF THE OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS, LICENSEE EVENT REPORT REVIEW, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, IE BULLETIN FOLLOWUP, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MAY 14, 1984 (REPORT NO. 50-361/84-17) REPORT CANCELLED.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-361/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 26-29 AND JULY 16-20, 1984 (REPORT NO. 50-361/84-21) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: LICENSEE EVENT REPORTING SYSTEM AND LICENSEE ACTION ON INDIVIDUAL LICENSEE EVENT REPORTS; LICENSEE EVENT REVIEW GROUP PERFORMANCE INCLUDING THE POST TRIP/TRANSIENT REVIEW PROCESS; LICENSEE ACTION ON IE BULLETINS; AND OFFSITE REVIEW GROUP RESPONSIBILITIES. THE INSPECTION INVOLVED 49 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 13 INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ INSPECTION ON JULY 16-27, 1984 (REPORT NO. 50-361/84-22) AREAS INSPECTED: A SPECIAL, UNANNOUNCED TEAM INSPECTION OF MECHANICAL, ELECTRICAL, DESIGN, AND OPERATIONS ACTIVITIES ASSOCIATED WITH HARDWARE MODIFICATIONS, PLANT MAINTENANCE AND PERFORMANCE OF SHIFT PERSONNEL. ALSO INCLUDED IN THIS INSPECTION WERE FOLLOWUP ITEMS REQUIRED FOR RESTART SUCH AS TMI REQUIREMENTS AND FIRE PROTECTION, AND A REVIEW OF CORRECTED DEFICIENCIES ASSOCIATED WITH THE OPERATIONAL RADIATION MONITORING SYSTEM (ORMS). THE INSPECTION INVOLVED 688 INSPECTOR-HOURS ONSITE BY TWELVE NRC INSPECTORS, AND 188 HOURS BY THREE NRC CONSULTANTS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-361/84-23) AREAS INSPECTED: FOLLOWUP ON INFORMATION NOTICE 84-07; SECURITY EVENTS FOLLOWUP; SAFETY/SECURITY ASSESSMENT REPORT FOLLOWUP; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PA; PHYSICAL BARRIERS-VA; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PA; DETECTION AIDS-VA; ALARM STATIONS; COMMUNICATIONS; PHYSICAL PROTECTION SAFEGUARDS INFORMATION; INDEPENDENT INSPECTION EFFORT AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-361/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 6-10, 1984 (REPORT NO. 50-361/84-25) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: INDEPENDENT OFFSITE REVIEW GROUP ACTIVITIES; LICENSEE EVENT REVIEW GROUP PERFORMANCE; REVIEW OF QUALITY ASSURANCE PROGRAM CHANGES; LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENTS; LICENSEE EVENT REPORTS; AND LICENSEE ACTION ON A 10 CFR 21 REPORT. THE INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 10 INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 4-7, 1984 (REPORT NO. 50-361/84-26) 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

OTHER ITEMS

7, 1982, AS AMENDEMENT 7 TO THE LOW POWER LICENSE. THE PLANT COMMENCED COMMERCIAL OPERATION ON AUGUST 7, 1983.

PLANT STATUS:

+ STEADY OPETATION AT FULL POWER;

LAST IE SITE INSPECTION DATE: 09/04-07/84+

INSPECTION REPORT NO: 50-361/84-26+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
01-18-X4	12-15-83	01-18-84	INOPERABLE FIRE DOORS (SPECIAL REPORT)
05-21-X4	04-17-84	05-21-84	INOPERABLE FIRE DOORS (SPECIAL REPORT)
08-26-83	08-25-83	08-26-83	INOPERABLE FIRE RATED ASSEMBLIES (SPECIAL REPORT)
84-17-L0	03-21-84	04-12-84	SDC VALVE HV9316 FOUND FULLY OPEN
84-19-L0	03-24-84	04-23-84	CEAC 1 DNBR TRIP
84-20-L0	03-26-84	04-24-84	HIGH SG LEVEL TRIP
84-21-L0	03-30-84	04-26-84	SPURIOUS TGIS ACTUATIONS
84-24-L0	04-24-84	04-25-84	FIRE PROTECTION PROGRAM DISCREPANCIES
84-26-L0	04-27-84	05-25-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM (TGIS) ACTUATIONS
84-30-L0	05-25-84	05-29-84	FIRE PROTECTION PROGRAM DISCREPANCIES
84-32-L0	05-28-84	06-27-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM (TGIS) ACTUATIONS

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1. Docket: 50-362 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 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

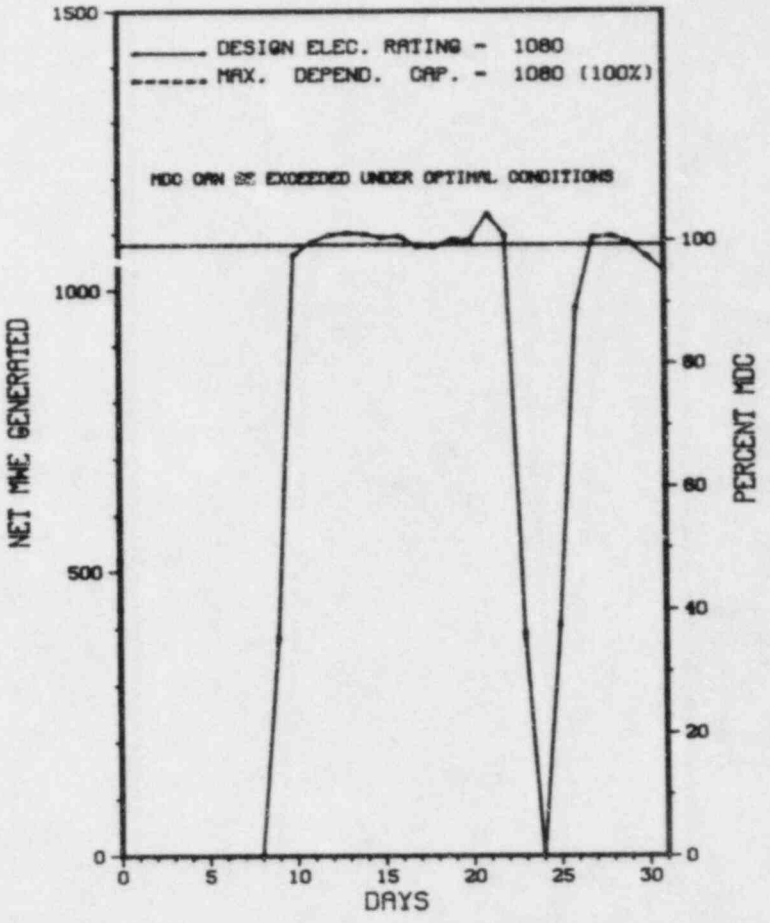
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,671.0	3,671.0
13. Hours Reactor Critical	546.2	2,345.9	2,345.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	520.5	2,113.0	2,113.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,643,144	6,378,903	6,378,903
18. Gross Elec Ener (MWH)	547,825	2,183,137	2,183,137
19. Net Elec Ener (MWH)	515,656	2,038,455	2,038,455
20. Unit Service Factor	70.0	57.6	57.6
21. Unit Avail Factor	70.0	57.6	57.6
22. Unit Cap Factor (MDC Net)	64.2	51.4	51.4
23. Unit Cap Factor (DER Net)	64.2	51.4	51.4
24. Unit Forced Outage Rate	5.5	2.2	2.2
25. Forced Outage Hours	30.1	46.8	46.8

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



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/19/84	S	193.4	D	4		AB	SG	CONTINUATION OF SCHEDULED OUTAGE FOR REPAIR OF PRIMARY TO SECONDARY LEAK IN STEAM GENERATOR E-089.
7	08/23/84	F	30.1	H	2		WI	V	MANUALLY TRIPPED TURBINE AND REACTOR DUE TO HIGH CONDUCTIVITY IN THE CONDENSATE AND FEEDWATER SYSTEMS.

****
* SUMMARY *
****

SAN ONOFRE 3 RETURNED ONLINE ON AUGUST 9TH FROM MAINTENANCE AND OPERATED WITH ONE ADDITIONAL OUTAGE DURING AUGUST.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....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....NPF-15, NOVEMBER 15, 1982

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SAN CLEMENTE, CALIFORNIA

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON APRIL 30 - JUNE 11, 1984 (REPORT NO. 50-362/84-17) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS, LICENSEE EVENT REPORT REVIEW, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, IE BULLETIN FOLLOWUP, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 98 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 12 - JULY 24, 1984 (REPORT NO. 50-362/84-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 26-29 AND JULY 16-20, 1984 (REPORT NO. 50-362/84-21) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: LICENSEE EVENT REPORTING SYSTEM AND LICENSEE ACTION ON INDIVIDUAL LICENSEE EVENT REPORTS; LICENSEE EVENT REVIEW GROUP PERFORMANCE INCLUDING THE POST TRIP/TRANSIENT REVIEW PROCESS; LICENSEE ACTION ON IE BULLETINS; AND OFFSITE REVIEW GROUP RESPONSIBILITIES. THE INSPECTION INVOLVED 49 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 15 INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 16-27, 1984 (REPORT NO. 50-362/84-22) AREAS INSPECTED: A SPECIAL, UNANNOUNCED TEAM INSPECTION OF MECHANICAL, ELECTRICAL, DESIGN, AND OPERATIONS ACTIVITIES ASSOCIATED WITH HARDWARE MODIFICATIONS, PLANT MAINTENANCE AND

INSPECTION SUMMARY

PERFORMANCE OF SHIFT PERSONNEL. ALSO INCLUDED IN THIS INSPECTION WERE FOLLOWUP ITEMS REQUIRED FOR RESTART SUCH AS TMI REQUIREMENTS AND FIRE PROTECTION, AND A REVIEW OF CORRECTED DEFICIENCIES ASSOCIATED WITH THE OPERATIONAL RADIATION MONITORING SYSTEM (ORMS). THE INSPECTION INVOLVED 688 INSPECTOR-HOURS BY 12 NRC INSPECTORS, AND 188 HOURS BY THREE NRC CONSULTANTS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-362/84-23) AREAS INSPECTED: FOLLOWUP ON INFORMATION NOTICE 84-07; SECURITY EVENTS FOLLOWUP; SAFETY/SECURITY ASSESSMENT REPORT FOLLOWUP; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PA; PHYSICAL BARRIERS-VA; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PA; DETECTION AIDS-VA; ALARM STATIONS; COMMUNICATIONS; PHYSICAL PROTECTION SAFEGUARDS INFORMATION; INDEPENDENT INSPECTION EFFORT AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-362/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 6-10, 1984 (REPORT NO. 50-362/84-25) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWNG AREAS: INDEPENDENT OFFSITE REVIEW GROUP ACTIVITIES; LICENSEE EVENT REVIEW GROUP PERFORMANCE; REVIEW OF QUALITY ASSURANCE PROGRAM CHANGES; LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENT; LICENSEE EVENT REPORTS; AND LICENSEE ACTION ON A 10 CFR 21 REPORT. THE INSPECTION INVOLVED 17 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION ALSO INVOLVED 10 INSPECTOR-HOURS INOFFICE BY ONE NRC INSPECTOR.

RESULTS: NO ITEM OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 8, 1984 (REPORT NO. 50-362/84-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ABNORMALLY HIGH RADIATION LEVELS OBSERVED IN REACTOR COOLANT SYSTEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

SEVEN WEEK OUTAGE FOR REPLACEMENT OF REACTOR COOLANT PUMP SEALS AND SURVEILLANCE TESTING.

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED NOVEMBER 15, 1982. THE FULL POWER LICENSE WAS ISSUED SEPTEMBER 16, 1983.

PLANT STATUS:

OTHER ITEMS

+ INITIAL CRITICALITY WAS AUGUST 29, 1983. POWER ASCENSION TESTING WAS COMPLETED ON JANUARY 6, 1984. THE UNIT IS NOW OPERATING AT FULL POWER.

ABNORMALLY HIGH LEVELS OF RADIOACTIVITY HAVE BEEN OBSERVED, AND THE CAUSE AND NECESSARY CORRECTIVE ACTIONS ARE BEING EVALUATED.

LAST IE SITE INSPECTION DATE: 07/27-09/07/84+

INSPECTION REPORT NO: 50-362/84-24+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-06-L0	02-26-84	03-28-84	RPS SURVEILLANCE TESTING
84-08-L0	03-10-84	04-09-84	LOSS OF LOAD RACTOR TRIP

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1. Docket: 50-327 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: MIKE EDDINGS (615) 870-6248
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1220
6. Design Electrical Rating (Net MWe): 1148
7. Maximum Dependable Capacity (Gross MWe): 1183
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	27,792.0
13. Hours Reactor Critical	718.5	3,394.6	17,836.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	701.2	3,223.0	17,336.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,301,819	9,936,808	55,428,608
18. Gross Elec Ener (MWH)	746,040	3,245,990	18,627,126
19. Net Elec Ener (MWH)	716,572	3,108,379	17,885,307
20. Unit Service Factor	94.2	55.0	62.4
21. Unit Avail Factor	94.2	55.0	62.4
22. Unit Cap Factor (MDC Net)	83.9	46.2	56.1
23. Unit Cap Factor (DER Net)	83.9	46.2	56.1
24. Unit Forced Outage Rate	5.8	28.3	21.2
25. Forced Outage Hours	42.8	1,270.5	4,651.2

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

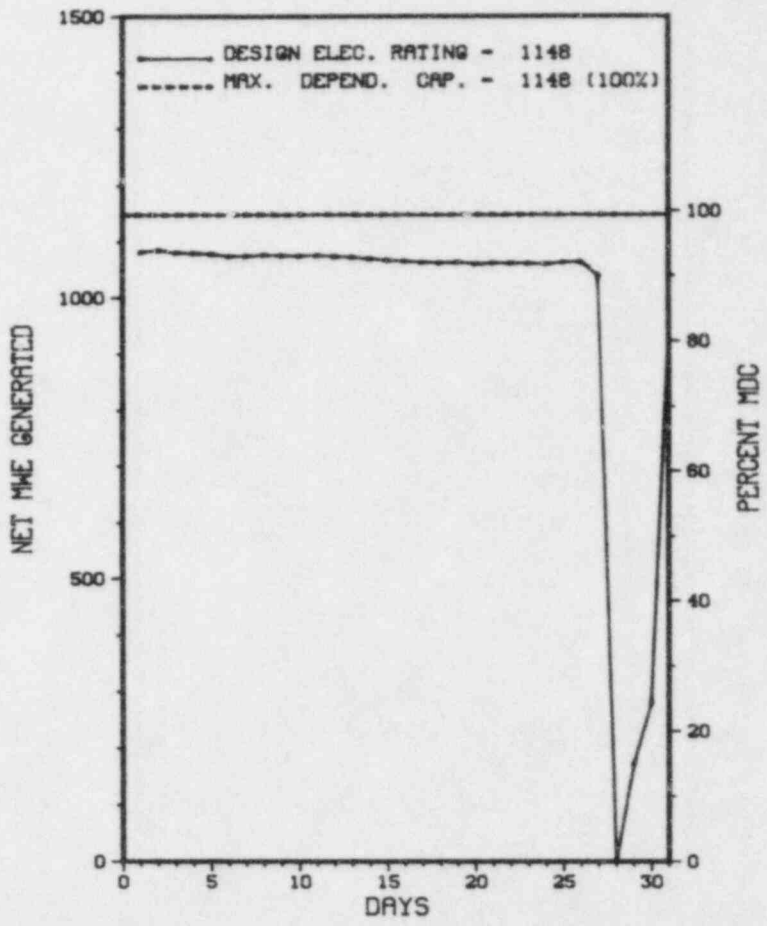
NONE

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

****
* SEQUOYAH 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	08/27/84	F	42.8	A	3				REACTOR TRIP-STEAM FLOW/FEEDWATER FLOW MISMATCH LOOP NO. 1 FEEDWATER REGULATOR VALVE FAILED CLOSE.

SUMMARY

SEQUOYAH 1 INCURRED 1 REACTOR TRIP IN AUGUST AS DESCRIBED ABOVE.

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

****
* SEQUOYAH 1 *
****

FACILITY DATA

Report Period AUG 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...JULY 5, 1980

DATE ELEC ENER 1ST GENER...JULY 22, 1980

DATE COMMERCIAL OPERATE....JULY 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHLE
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE....DPR-77, SEPTEMBER 17, 1980

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CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 18-20 (84-15): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SIT IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6 - JULY 5 (84-17): THIS ROUTINE INSPECTION INVOLVED 69 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, INDEPENDENT INSPECTION EFFORT, SURVEILLANCE AND MAINTENANCE, AND LER REVIEW. OF THE SIX AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO WERE FOUND IN ONE AREA (FAILURE TO LOCK CONTAINMENT ISOLATION VALVE 1-33-704, AND FAILURE TO MAINTAIN CONTAINMENT CLEAR OF DEBRIS).

INSPECTION JULY 22-26 (84-19): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL - PERSONNEL AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ESCORT VISITORS WHILE IN THE PROTECTED AREA, FAILURE TO PROPERLY SEARCH VEHICLES PRIOR TO ENTERING THE PROTECTED AREA AND FAILURE TO SECURE A DESIGNATED VEHICLE IN THE PROTECTED AREA.

****
* SEQUOYAH 1 *
****

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.5.2 REQUIRES THAT TWO INDEPENDENT EMERGENCY CORE COOLING SYSTEM (ECCS) SUBSYSTEM SHALL BE OPERABLE IN MODES 1, 2 AND 3. SURVEILLANCE REQUIREMENT 4.5.2.C. REQUIRES THAT ECCS OPERABILITY SHALL BE DEMONSTRATED BY VERIFYING THAT NO LOOSE DEBRIS IS PRESENT IN THE CONTAINMENT WHICH COULD BE TRANSPORTED TO THE CONTAINMENT SUMP AND CAUSE RESTRICTION OF THE PUMP SUCTIONS DURING LOCA CONDITIONS. CONTRARY TO THE ABOVE, ECCS SUBSYSTEM OPERABILITY WAS NOT MANTAINED IN THAT ON JUNE 7, 1984 THE INSPECTOR IDENTIFIED A LARGE PLASTIC BAG (APPROXIMATELY 36" X 48") IN THE LOWER CONTAINMENT AREA THAT COULD BE TRANSPORTED TO THE CONTAINMENT SUMP DURING LOCA CONDITIONS AND CAUSE RESTRICTION OF THE PUMP SUCTIONS. THE UNIT WAS IN MODE 3, HOT STANDBY. TECHNICAL SPECIFICATION 3.6.1.1 REQUIRES THAT PRIMARY CONTAINMENT INTEGRITY SHALL BE MAINTAINED IN MODES 1, 2, 3 AND 4. SURVEILLANCE REQUIREMENT 4.6.1.1.A REQUIRES THAT PRIMARY CONTAINMENT INTEGRITY SHALL BE DEMONSTRATED BY VERIFYING THAT MANUAL VAL

VES REQUIRED TO BE CLOSED DURING AN ACCIDENT ARE CLOSED AND SECURED IN THEIR POSITIONS. CONTRARY TO THE ABOVE, PRIMARY CONTAINMENT INTEGRITY WAS NOT MAINTAINED IN THAT ON JUNE 7, 1984 THE INSPECTOR IDENTIFIED THAT VALVE 1-33-704, CONTAINMENT ISOLATION VALVE FOR THE SERVICE AIR SYSTEM, WAS SHUT BUT NOT SECURED BY A LOCKING DEVICE. THE UNIT WAS IN MODE 3, HOT STANDBY. (8417 4)

FAILURE OF VEHICLE SEARCH OFFICER TO SEARCH ENGINE COMPARTMENT AND CARGO COMPARTMENT OF VEHICLES. VISITORS WITHOUT ESCORT WITHIN THE PA SNACK AREA. DESIGNATED VEHICLE WITHIN THE PA WITH KEYS IN IGNITION.

(8419 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: JULY 22-26, 1984 +

INSPECTION REPORT NO: 50-327/84-19 +

****
* SEQUOYAH 1 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-042	06/27/84	07/26/84	DUE TO AN INCOMPLETE MODIFICATION, RADIATION MONITOR 0-RE-90-225 WOULD NOT PROVIDE AUTOMATIC ISOLATION OF DIRECT RELEASES FROM THE NEUTRALIZATION TANK.
84-043	06/27/84	07/19/84	A THERMAL FIRE DETECTOR DISCOVERED INOPERABLE, REPLACED AND RETURNED TO SERVICE BEFORE ERROR WAS DISCOVERED.
84-044	07/05/84	08/03/84	SWITCH WAS RETURNED TO THE NORMAL FROM TEST PRIOR TO RESETTING OF THE SAFETY INJECTION SIGNAL, AUTOMATIC START OF THE REMAINING THREE DIESEL GENERATORS.
84-046	07/27/84	08/10/84	FAILURE TO COMPLY WITH APPENDIX R, FIRE WATCHES HAVE BEEN ESTABLISHED AS REQUIRED.
84-047	07/17/84	08/15/84	AN AUXILIARY BLDG VENTILATION ISOLATION (ABI) AND A CONTAINMENT BUILDING VENTILATION ISOLATION (CVI), A WIRE SLIPPED LOOSE ONTO THE INPUT OF A POWER SUPPLY.

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1. Docket: 50-328 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVID DUPREE (615) 870-6543
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1220
6. Design Electrical Rating (Net MWe): 1148
7. Maximum Dependable Capacity (Gross MWe): 1183
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

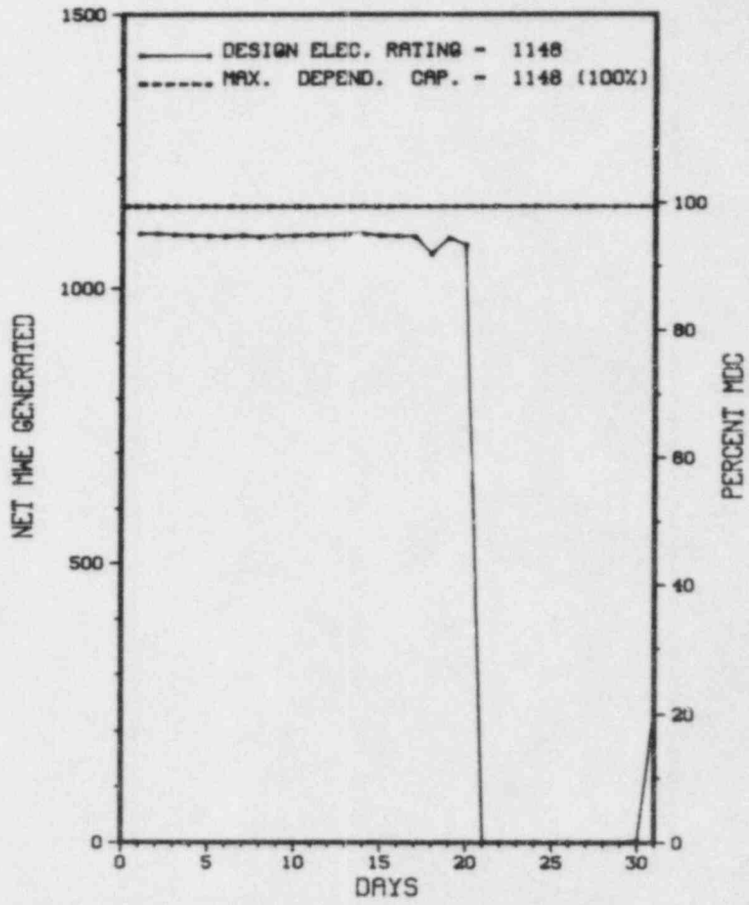
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	19,752.0
13. Hours Reactor Critical	514.3	5,549.7	15,910.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	496.5	5,455.5	15,609.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,626,829	17,978,338	50,396,405
18. Gross Elec Ener (MWH)	538,060	6,138,350	17,170,290
19. Net Elec Ener (MWH)	516,879	5,914,343	16,532,081
20. Unit Service Factor	66.7	93.2	79.0
21. Unit Avail Factor	66.7	93.2	79.0
22. Unit Cap Factor (MDC Net)	60.5	88.0	72.9
23. Unit Cap Factor (DER Net)	60.5	88.0	72.9
24. Unit Forced Outage Rate	33.3	5.9	8.5
25. Forced Outage Hours	247.5	341.9	1,443.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING/MODIFICATION - 09/21/84, 56 DAYS
27. If Currently Shutdown Estimated Startup Date: N/A

****
* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/20/84	F	234.8	A	1				RUPTURED THE DIAPHRAM IN THE PRESSURIZER RELIEF TANK. PRZ RELIEF VALVE LEAKING.
7	08/30/84	F	12./	G	3				UNIT OPERATORS OVER FED THE STEAM GENERATORS CAUSING THE TURBINE AND REACTOR TO TRIP.

SUMMARY

SEQUOYAH 2 EXPERIENCED 2 SHUTDOWNS IN AUGUST AS DISCUSSED ABOVE.

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

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM NEAREST POPULATION CTR...9.5 MI NE OF CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 5, 1981

DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981

DATE COMMERCIAL OPERATE....JUNE 1, 1982

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....831 POWER BUILDING
CHATTANOOGA, TENNESSEE 37401

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHLE
DOCKET NUMBER.....50-328

LICENSE & DATE ISSUANCE....DPR-79, SEPTEMBER 15, 1981

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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 18-20 (84-15): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF AN EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-16): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE INSPECTION OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6 - JULY 5 (84-17): THIS ROUTINE INSPECTION INVOLVED 69 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM OPERABILITY VERIFICATION, INDEPENDENT INSPECTION EFFORT, SURVEILLANCE AND MAINTENANCE, AND LER REVIEW. OF THE SIX AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO WERE FOUND IN ONE AREA (FAILURE TO LOCK CONTAINMENT ISOLATION VALVE 1-33-704, AND FAILURE TO MAINTAIN CONTAINMENT CLEAR OF DEBRIS).

INSPECTION JULY 22-26 (84-20): THIS ROUTINE UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE (SIX HOURS ON BACK SHIFT) INSPECTING: SECURITY ORGANIZATION - PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL - PERSONNEL AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS AND COMMUNICATIONS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO ESCORT VISITORS WHILE IN THE PROTECTED AREA, FAILURE TO PROPERLY SEARCH VEHICLES PRIOR TO ENTERING THE PROTECTED AREA AND FAILURE TO SECURE A DESIGNATED VEHICLE IN THE PROTECTED AREA.

****
* SEQUOYAH 2 *
****

ENFORCEMENT SUMMARY

FAILURE OF VEHICLE SEARCH OFFICER TO SEARCH ENGINE COMPARTMENT AND CARGO COMPARTMENT OF VEHICLES. VISITORS WITHOUT ESCORT WITHIN THE PA SNACK AREA. DESIGNATED VEHICLE WITHIN THE PA WITH KEYS IN IGNITION.

(8420 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: JULY 22-26, 1984 +

INSPECTION REPORT NO: 50-328/84-20 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-010	06/20/84	07/19/84	4 VALVES WERE CLOSED AT 2020 CDT AFTER AN UPPER CONTAINMENT PURGE AND WERE NOT TESTED UNTIL 1005 TWO DAYS LATER.
84-011	07/13/84	08/10/84	CONTAINMENT BUILDING VENTILATION ISOLATION, THE SPURIOUS RADIATION ALARMS WERE RESET.

1. Docket: 50-335 OPERATING STATUS
2. Reporting Period: 08/01/84 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:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	67,463.0
13. Hours Reactor Critical	732.0	2,665.8	47,132.1
14. Rx Reserve Shtdwn Hrs	.0	.0	205.3
15. Hrs Generator On-Line	708.6	2,446.4	46,023.3
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	1,882,130	6,297,241	114,965,179
18. Gross Elec Ener (MWH)	628,390	2,097,870	37,471,745
19. Net Elec Ener (MWH)	595,864	1,966,726	35,296,426
20. Unit Service Factor	95.2	41.8	68.2
21. Unit Avail Factor	95.2	41.8	68.3
22. Unit Cap Factor (MDC Net)	97.4	40.9	63.6
23. Unit Cap Factor (DER Net)	96.5	40.5	63.0
24. Unit Forced Outage Rate	4.8	5.0	4.6
25. Forced Outage Hours	35.4	130.1	2,234.8

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

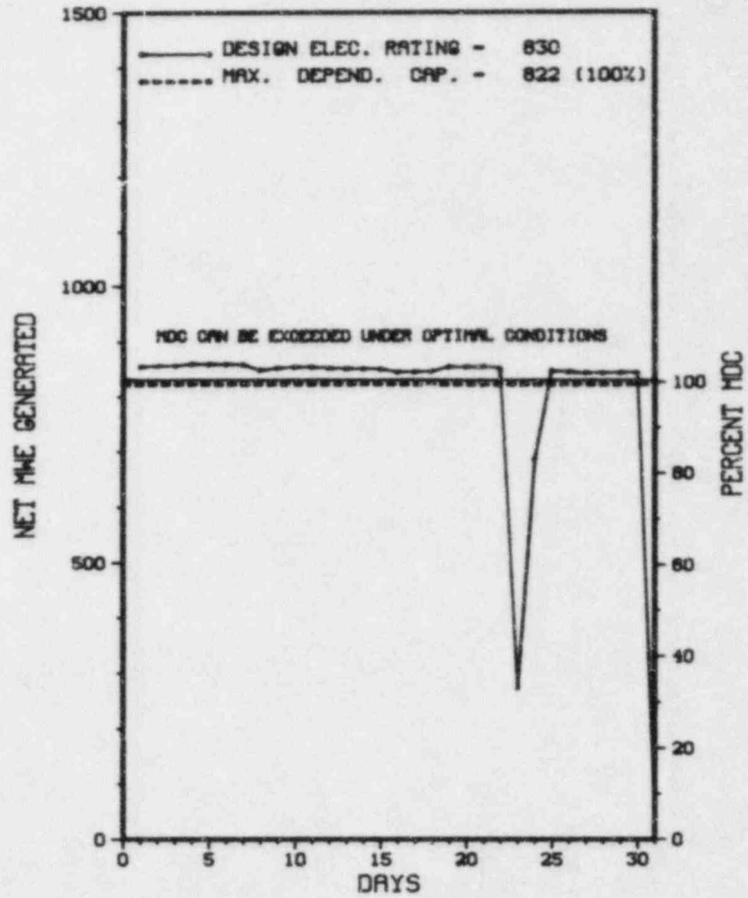
NONE

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

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

ST LUCIE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
08	08/23/84	F	15.0	A	1	84-007	IA	RELAYX	REACTOR TRIPPED DURING LOGIC MATRIX SURVEILLANCE DUE TO LOGIC MATRIX CABINET DC FAILURE. THE UNIT RETURNED TO POWER OPERATION.
09	08/23/84	F	0.8	A	9		HA	INSTRU	THE TURBINE TRIPPED (WITHOUT REACTOR TRIP DUE TO LOW POWER LEVEL) DUE TO ANTI-MOTORING DIFFERENTIAL SWITCH MALFUNCTION. THE UNIT WAS RETURNED TO OPERATION.
10	08/31/84	F	19.6	H	1		HF	ZZZZZZ	EXCESSIVE NUMBER OF JELLYFISH IN INTAKE CANAL PREVENTED PLANT OPERATION AT POWER.

SUMMARY

ST. LUCIE 1 INCURRED 2 SHUTDOWNS IN AUGUST AS DESCRIBED ABOVE.

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

****
* ST LUCIE 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....ST LUCIE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 22, 1976

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

DATE COMMERCIAL OPERATE....DECEMBER 21, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....ATLANTIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976

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3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 11 (84-23): THIS ROUTINE RESIDENT INSPECTION INVOLVED 74 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, I.E. BULLETINS, UNIT 1 REACTOR TRIP, AND PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

DURING REFUELING OUTAGE, THE THERMAL SHIELD WITHIN THE REACTOR VESSEL WAS FOUND TO BE BROKEN. THE SHIELD HAS BEEN REMOVED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

EXTENDED OUTAGE, RESTART PLANNED IN EARLY 1984.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 15 - AUGUST 11, 1984 +

INSPECTION REPORT NO: 50-335/84-23 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-005	06/26/84	07/25/84	1B MSIV FAILED SHUT, CAUSING REACTOR TRIP, DUE TO FAILED RUPTURE DISC IN AIR SUPPLY TO VALVE OPERATOR.

1. Docket: 50-389 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 552-3675
4. Licensed Thermal Power (MWt): 2560
5. Nameplate Rating (Gross MWe): 0850
6. Design Electrical Rating (Net MWe): 804
7. Maximum Dependable Capacity (Gross MWe): 832
8. Maximum Dependable Capacity (Net MWe): 786
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	9,360.0
13. Hours Reactor Critical	710.6	5,803.0	9,030.0
14. Rx Reserve Shtdwn Hrs	.0	0	.0
15. Hrs Generator On-Line	709.9	5,666.5	8,796.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,817,081	14,381,775	22,039,719
18. Gross Elec Ener (MWH)	606,190	4,813,700	7,356,920
19. Net Elec Ener (MWH)	573,260	4,554,289	6,951,875
20. Unit Service Factor	95.4	96.8	94.0
21. Unit Avail Factor	95.4	96.8	94.0
22. Unit Cap Factor (MDC Net)	98.0	99.0	94.5
23. Unit Cap Factor (DER Net)	95.8	96.7	92.4
24. Unit Forced Outage Rate	3.6	2.6	5.6
25. Forced Outage Hours	26.3	150.6	525.2

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

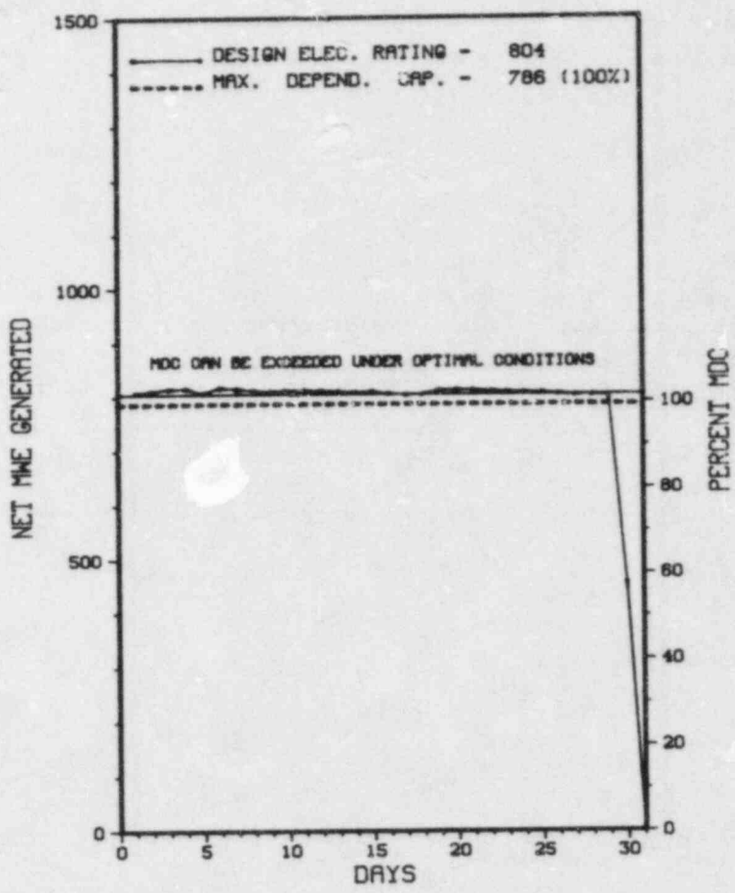
REFUELING, OCTOBER 1984, 5 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 09/08/84

****
* ST LUCIE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* ST LUCIE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
06	08/30/84	F	8.9	A	3	389-84-05	IB	RELAYX	A FAILED RELAY IN THE AUXILIARY FEEDWATER ACTUATION SYSTEM RESULTED IN A REACTOR TIRP. RETURN TO POWER OPERATION WAS DELAYED DUE TO FOLLOWING EVENTS.
07	08/30/84	S	7.8	B	9		HF	FILTER	IT WAS DECIDED TO EXTEND THE ABOVE OUTAGE TO REPAIR TRAVELLING SCREENS WHICH WERE DAMAGED BY EXCESSIVE JELLYFISH. RETURN TO POWER OPERATION WAS DELAYED DUE TO FOLLOWING EVENT.
08	08/31/84	F	17.4	H	9		HF	ZZZZZZ	EXCESSIVE JELLYFISH IN INTAKE CANAL PREVENTED PLANT OPERATION.

****
* SUMMARY *
****

ST. LUCIE 2 EXPERIENCED 3 SHORT SHUTDOWNS IN AUGUST AS DESCRIBED ABOVE.

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

****
* ST LUCIE 2 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....ST LUCIE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 2, 1983

DATE ELEC ENER 1ST GENER...JUNE 13, 1983

DATE COMMERCIAL OPERATE....AUGUST 8, 1983

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....ATLANTIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-389

LICENSE & DATE ISSUANCE....NPF-16, JUNE 10, 1983

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 11 (84-25): THIS ROUTINE RESIDENT INSPECTION INVOLVED 73 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, I.E. BULLETINS, UNIT 1 REACTOR TRIP, AND PREVIOUSLY IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 15 - AUGUST 11, 1984 +

INSPECTION REPORT NO: 50-389/84-25 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-395 OPERATING STATUS
2. Reporting Period: 08/01/84 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	5,855.0	5,855.0
13. Hours Reactor Critical	726.4	4,583.6	4,583.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	718.4	4,425.8	4,425.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,844,750	11,471,650	11,471,650
18. Gross Elec Ener (MWH)	614,320	3,816,853	3,816,853
19. Net Elec Ener (MWH)	587,932	3,638,961	3,638,961
20. Unit Service Factor	96.6	75.6	75.6
21. Unit Avail Factor	96.6	75.6	75.6
22. Unit Cap Factor (MDC Net)	89.3	69.9	70.2
23. Unit Cap Factor (DER Net)	87.8	69.1	69.1
24. Unit Forced Outage Rate	3.4	12.7	12.7
25. Forced Outage Hours	25.6	644.4	644.4

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

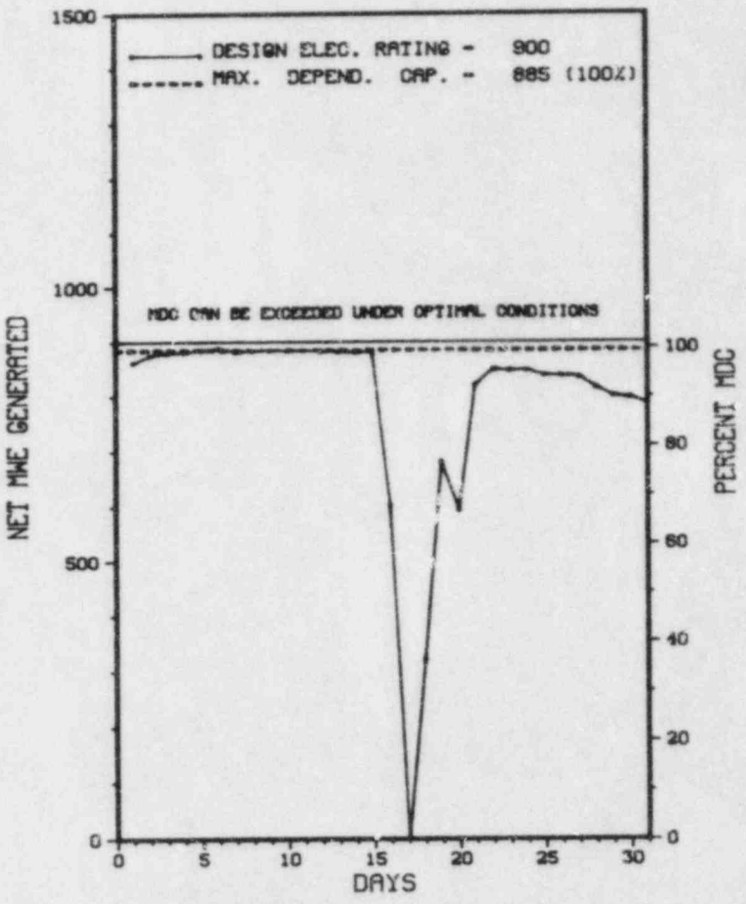
REFUELING, SEPTEMBER 28, 1984, 60 DAYS

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

****
* SUMMER 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SUMMER 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/16/84	F	25.6	A	1				REPLACE INSULATOR IN ISOPHASE BUS DUCT.
10	08/19/84	F	0.0	A	5				ISOPHASE BUS DUCT HEATING, REDUCED POWER, DETERMINED CONDITION ACCEPTABLE, INCREASED POWER.

****
* SUMMARY *
****

SUMMER 1 EXPERIENCED 1 SHUTDOWN IN AUGUST TO REPLACE AN ISOLATOR BUS DUCT INSULATOR.

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 AUG 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/ENGINFER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....C. HEHL

LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395

LICENSE & DATE ISSUANCE....NPF-12, NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 9-13 (84-17): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 82 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PREPAREDNESS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-13 (84-18): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 98 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW: QA/QC ADMINISTRATION; AUDITS; PROCUREMENT CONTROL; RECEIPT, STORAGE, AND HANDLING OF EQUIPMENT AND MATERIALS; INDEPENDENT INSPECTION; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 23-27 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 26 INSPECTOR-HOURS ON SITE (TWO HOURS ON BACK-SHIFT) AND SIX INSPECTOR-HOURS AT THE CORPORATE OFFICE INSPECTING: SECURITY ORGANIZATION-PERSONNEL/RESPONSE, SECURITY PROGRAM AUDIT, TESTING AND MAINTENANCE, PHYSICAL BARRIERS-PROTECTED AREA/VITAL AREAS, SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL-PERSONNEL/PACKAGES/ VEHICLES, AND ALARM STATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 23-27 (84-21): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF STEAM GENERATOR TUBE LEAKAGE, INSERVICE INSPECTION, INSERVICE TESTING OF PUMPS AND VALVES, AND INSPECTOR FOLLOWUP ITEMS - RELATED TO AIR HANDLING UNITS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 1-31 (84-23): THIS ROUTINE, RESIDENT INSPECTION ENTAILED 114 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATION; REVIEW OF INSPECTOR FOLLOWUP

INSPECTION SUMMARY

ITEMS AND NON-ROUTINE EVENT REPORTS; FOLLOWUP OF OPERATING REACTOR EVENTS. ONE VIOLATION WAS IDENTIFIED-FAILURE TO ADEQUATELY IMPLEMENT THE LOCKED VALVE PROGRAM.

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: JULY 1-31, 1984 +

INSPECTION REPORT NO: 50-395/84-23 +

REPORTS FROM LICENSEE

****
* SUMMER 1 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-028	06/29/84	07/19/84	STEAM INLET FLOW CONTROL VALVE TO TURBINE DRIVEN EMERGENCY FEEDWATER PUMP FAILED OPEN RESULTING IN INADVERTENT START.
84-029	07/13/83	08/10/84	DEFECTIVE BROWN BOVERI SPEED AND TRANSFER SWITCHES EQUIPMENT OPERABILITY CAN BE MAINTAINED TORQUED TO 60 FT./LBS.
84-030	04/12/84	08/10/84	COOLING UNIT, WAS FOUND TO HAVE BEEN SUPPLIED WITHOUT A COIL V-BRACE STRUCTURAL MEMBER. SCE&G RESTORED THE UNIT TO ITS ORIGINAL DESIGN CONDITION.
84-031	07/17/84	08/16/84	SEVEN ELECTRICAL CIRCUITS WERE NOT INCLUDED IN TABLE 3.8-1 OF TECHNICAL SPECIFICATION (TS), THE LICENSEE WILL SUBMIT A TS CHANGE.

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1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	102,503.0
13. Hours Reactor Critical	744.0	4,550.8	63,649.8
14. Rx Reserve Shtdwn Hrs	.0	9.3	3,774.5
15. Hrs Generator On-Line	744.0	4,477.8	62,344.6
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	1,421,403	9,837,649	144,238,262
18. Gross Elec Ener (MWH)	437,625	3,143,785	46,463,628
19. Net Elec Ener (MWH)	408,868	2,971,195	44,048,931
20. Unit Service Factor	100.0	76.5	60.8
21. Unit Avail Factor	100.0	76.5	64.5
22. Unit Cap Factor (MDC Net)	70.9	65.5	55.4
23. Unit Cap Factor (DER Net)	69.7	64.4	54.3
24. Unit Forced Outage Rate	.0	4.5	20.6
25. Forced Outage Hours	.0	212.3	12,424.1

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

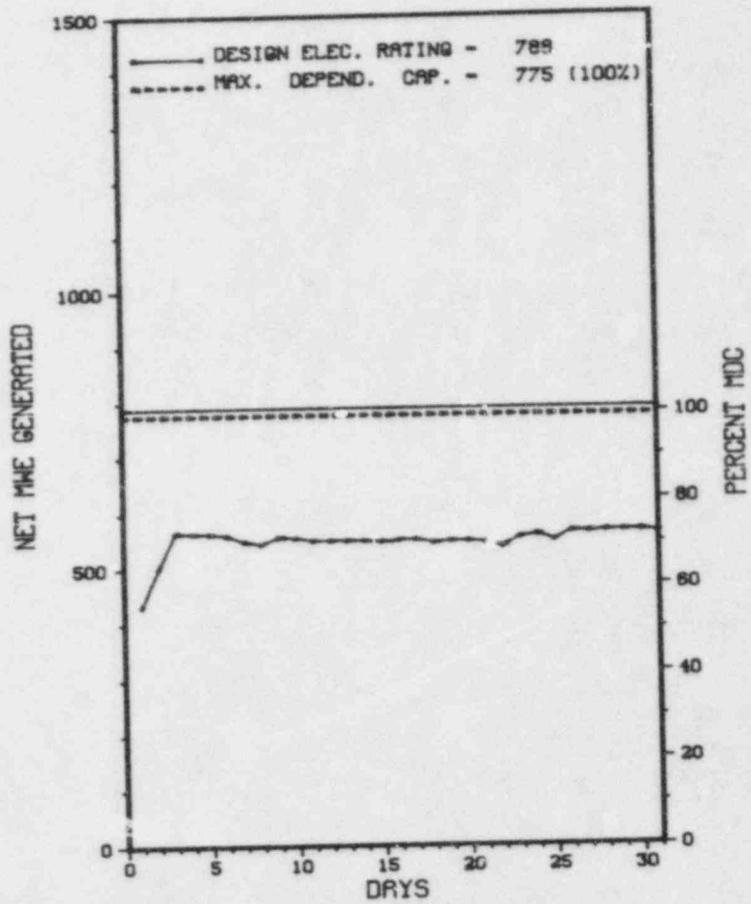
REFUELING 9-28-84 - 75 DAYS

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

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 1 *
****

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

****
* SUMMARY *
****

SURRY 1 OPERATED ROUTINELY IN AUGUST WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

****
* SURRY 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL OPERATE....DECEMBER 22, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE....DPR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 16-18 (84-21): THIS REACTIVE UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE FOLLOWUP OF LICENSEE EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 1-31 (84-22): THIS INSPECTION INVOLVED 110 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-11 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF TECHNICAL SPECIFICATION 4.17.F, THE PROGRAM IMPLEMENTED TO MONITOR THE SERVICE LIFE OF HYDRAULIC SNUBBERS WAS INADEQUATE.

(8411 3)

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.4.A.7 REQUIRES THAT DETAILED WRITTEN PROCEDURES WITH APPROPRIATE CHECK-OFF LISTS AND INSTRUCTIONS SHALL BE PROVIDED FOR PREVENTATIVE OR CORRECTIVE MAINTENANCE OPERATIONS ON SAFETY RELATED EQUIPMENT. CONTRARY TO THE ABOVE REQUIREMENT, THE CORRECTIVE MAINTENANCE PROCEDURE (ELECTRICAL) FOR SAFETY RELATED MOTOR OPERATED VALVES, EMP-C-MOV-50, "TORQUE SWITCH ADJUSTMENTS", DID NOT CONTAIN APPROPRIATE INSTRUCTIONS FOR SETTING OR ADJUSTING THE LIMITORQUE (SMB-000) DOUBLE TORQUE SWITCH ON THE UNIT 1 AND 2 SERVICE WATER (SW) MOTOR OPERATED VALVES SW-MOV-103A THROUGH D AND SW-MOV-203A THROUGH D, WHICH SUPPLY WATER TO THE RECIRCULATION SPRAY HEAT EXCHANGERS DURING ACCIDENT CONDITIONS. EMP-C-MOV-50 DID NOT PROVIDE INSTRUCTIONS FOR MID-POSITIONING OR MANUALLY DECLUTCHING THE MOV BEFORE SETTING OR ADJUSTING THE TORQUE SWITCHES, WHICH APPARENTLY RESULTED IN THE INCORRECT TORQUE SWITCH SETTINGS ON SW-MOV-203D OBSERVED BY THE INSPECTOR ON JUNE 5, 1984.
(8420 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REDUCED POWER OPERATION AS RESULT OF A STUCK ROD.

LAST IE SITE INSPECTION DATE: JULY 9-11, 1984 +

INSPECTION REPORT NO: 50-280/84-23 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	99,383.0
13. Hours Reactor Critical	729.3	5,087.6	63,658.2
14. Rx Reserve Shtdwn Hrs	.0	23.8	23.8
15. Hrs Generator On-Line	727.0	5,031.6	62,607.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,746,844	11,896,464	146,612,336
18. Gross Elec Ener (MWH)	546,780	3,785,785	47,575,644
19. Net Elec Ener (MWH)	517,818	3,586,561	45,093,621
20. Unit Service Factor	97.7	85.9	63.0
21. Unit Avail Factor	97.7	85.9	63.0
22. Unit Cap Factor (MDC Net)	89.8	79.0	58.5
23. Unit Cap Factor (DER Net)	88.3	77.7	57.6
24. Unit Forced Outage Rate	2.3	8.5	13.7
25. Forced Outage Hours	17.0	466.9	7,293.5

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

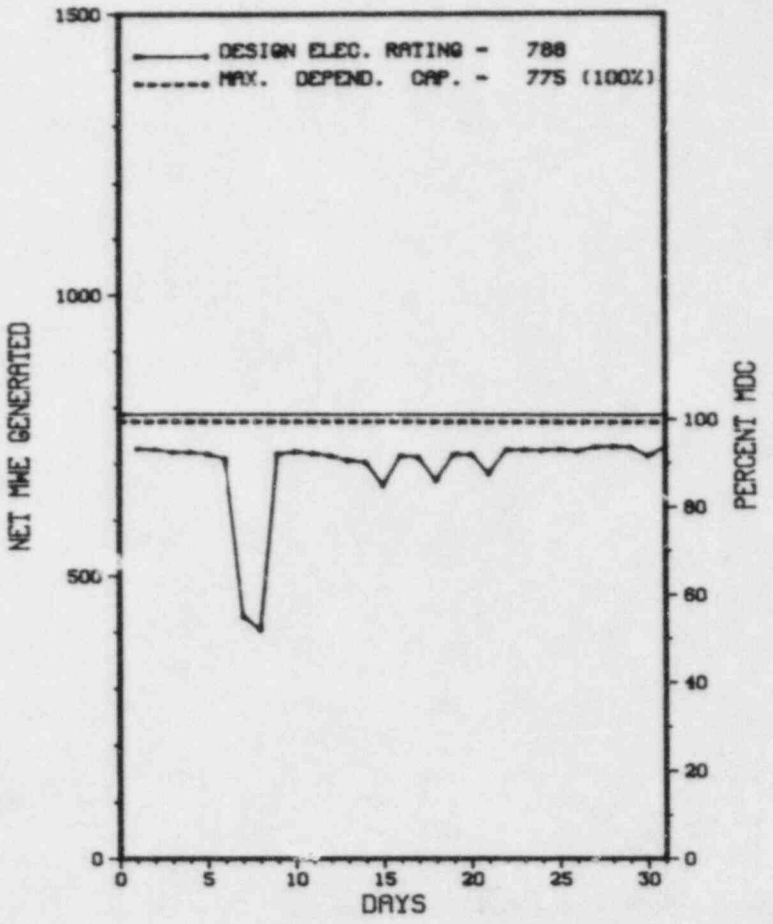
MAINTENANCE: 11-9-84 TO 11-19-84, 10 DAYS

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

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-20	08/07/84	F	17.0	A	3	84-013			THE UNIT RECEIVED A TURBINE RUNBACK TO 300 MW'S, THEN TWO MINUTES LATER, RECEIVED A REACTOR TRIP. THE CAUSE OF THE RUNBACK WAS A NIS RUNBACK FROM N-43 WHEN THE CONTROL POWER FUSE BLEW WHILE INST. TECHS. WERE TROUBLE SHOOTING A FAILURE OF THE FLUX METER. THE BLOWN FUSE WAS CAUSED BY USING AN UNGROUNDED CORD ON TEST METER.
84-21	08/15/84	S	0.0	H	5				THE UNIT WAS REDUCED TO 78% POWER (570 MW'S) TO ALLOW REMOVAL AND CLEANING OF "A" WATERBOX.
84-22	08/18/84	F	0.0	A	5				THE UNIT WAS REDUCED TO 67% POWER (485 MW'S) DUE TO THE LOSS OF FOUR CIRCULATORS AT THE LOW LEVEL INTAKE. THE CIRCULATORS TRIPPED OFF ON HIGH WATER LEVEL IN PIT CAUSED BY GROSS LEAKAGE FROM 1-CW-P-1D. THE PUMP WAS REMOVED FROM SERVICE AND IS BEING REPAIRED.
84-23	08/21/84	S	0.0	H	5				THE UNIT WAS REDUCED TO 76% POWER (580 MW'S) TO ALLOW REMOVAL AND CLEANING OF "A" WATERBOX.

****
* SUMMARY *
****

SURRY 2 OPERATED ROUTINELY IN AUGUST.

Type	Reason	Method	System & Component
F-Forced S-Scheduled	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)

****
* SURRY 2 *
****

FACILITY DATA

Report Period AUG 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 JULY 16-18 (84-21): THIS REACTIVE UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE FOLLOWUP OF LICENSEE EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 1-31 (84-22): THIS INSPECTION INVOLVED 110 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JULY 9-11 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF TECHNICAL SPECIFICATION 4.17.F, THE PROGRAM IMPLEMENTED TO MONITOR THE SERVICE LIFE OF HYDRAULIC SNUBBERS WAS INADEQUATE.

(8411 3)

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.4.A.7 REQUIRES THAT DETAILED WRITTEN PROCEDURES WITH APPROPRIATE CHECK-OFF LISTS AND INSTRUCTIONS SHALL BE PROVIDED FOR PREVENTATIVE OR CORRECTIVE MAINTENANCE OPERATIONS ON SAFETY RELATED EQUIPMENT. CONTRARY TO THE ABOVE REQUIREMENT, THE CORRECTIVE MAINTENANCE PROCEDURE (ELECTRICAL) FOR SAFETY RELATED MOTOR OPERATED VALVES, EMP-C-MOV-50, "TORQUE SWITCH ADJUSTMENTS", DID NOT CONTAIN APPROPRIATE INSTRUCTIONS FOR SETTING OR ADJUSTING THE LIMITORQUE (SMB-000) DOUBLE TORQUE SWITCH ON THE UNIT 1 AND 2 SERVICE WATER (SW) MOTOR OPERATED VALVES SW-MOV-103A THROUGH D AND SW-MOV-203A THROUGH D, WHICH SUPPLY WATER TO THE RECIRCULATION SPRAY HEAT EXCHANGERS DURING ACCIDENT CONDITIONS. EMP-C-MOV-50 DID NOT PROVIDE INSTRUCTIONS FOR MID-POSITIONING OR MANUALLY DECLUTCHING THE MOV BEFORE SETTING OR ADJUSTING THE TORQUE SWITCHES, WHICH APPARENTLY RESULTED IN THE INCORRECT TORQUE SWITCH SETTINGS ON SW-MOV-203D OBSERVED BY THE INSPECTOR ON JUNE 5, 1984.
(8420 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL AT POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 9-11, 1984 +

INSPECTION REPORT NO: 50-281/84-23 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-387 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. KUCZYNSKI (717) 542-2181
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1068
8. Maximum Dependable Capacity (Net MWe): 1032
9. If Changes Occur Above Since Last Report, Give Reasons:

---

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	10,824.0
13. Hours Reactor Critical	744.0	3,895.4	7,740.7
14. Rx Reserve Shtdwn Hrs	.0	209.6	366.3
15. Hrs Generator On-Line	744.0	3,770.7	7,539.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,392,310	11,471,966	22,721,737
18. Gross Elec Ener (MWH)	772,140	3,737,610	7,404,160
19. Net Elec Ener (MWH)	745,057	3,598,837	7,135,210
20. Unit Service Factor	00.0	64.4	69.7
21. Unit Avail Factor	100.0	64.4	69.7
22. Unit Cap Factor (MDC Net)	97.0	59.6	63.9
23. Unit Cap Factor (DER Net)	94.0	57.7	61.9
24. Unit Forced Outage Rate	.0	18.0	15.1
25. Forced Outage Hours	.0	828.8	1,337.3

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

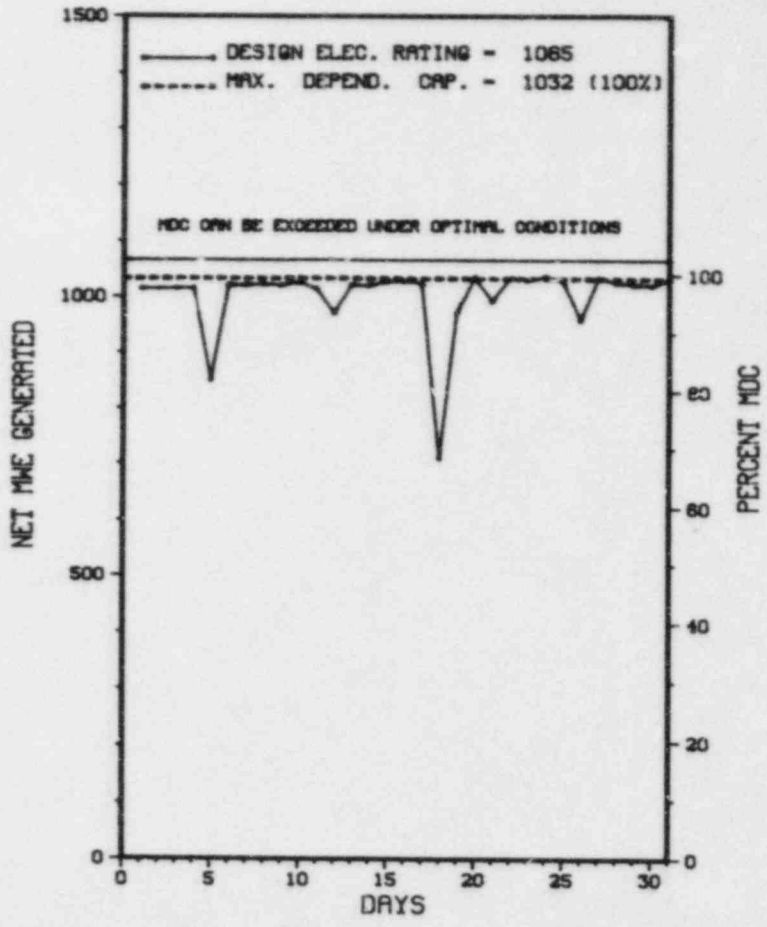
REFUELING OUTAGE: FEBRUARY 9, 1985; 13 WEEKS

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

****
* SUSQUEHANNA 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

SUSQUEHANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	08/18/84	S	0.0	H	5		RB	CONROD	SCHEDULED CONTROL ROD SEQUENCE EXCHANGE TO MINIMIZE THE CONTROL BLADE HISTORY EFFECT ON THE FUEL.

SUMMARY

SUSQUEHANNA 1 OPERATED ROUTINELY IN AUGUST WITH NO SHUTDOWNS REPORTED.

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

FACILITY DATA

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, 982

DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982

DATE COMMERCIAL OPERATE....JUNE 8, 1983

CONDENSER COOLING METHOD...CC,HNDCT

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT

CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....R. JACOBS

LICENSING PROJ MANAGER.....R. PERCH
DOCKET NUMBER.....50-387

LICENSE & DATE ISSUANCE....NPF-14, NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-388 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1065
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	1,427.0	1,427.0
13. Hours Reactor Critical	581.9	1,040.6	1,040.6
14. Rx Reserve Shtdwn Hrs	162.1	342.4	342.4
15. Hrs Generator On-Line	373.4	766.3	766.3
16. Unit Reserve Shtdwn Hrs	.0	142.4	142.4
17. Gross Therm Ener (MWH)	470,952	944,986	944,986
18. Gross Elec Ener (MWH)	132,920	254,250	254,250
19. Net Elec Ener (MWH)	121,170	231,451	231,451
20. Unit Service Factor		NOT IN	
21. Unit Avail Factor		COMMERCIAL	
22. Unit Cap Factor (MDC Net)		OPERATION	
23. Unit Cap Factor (DER Net)			
24. Unit Forced Outage Rate			
25. Forced Outage Hours	260.3	320.5	320.5

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

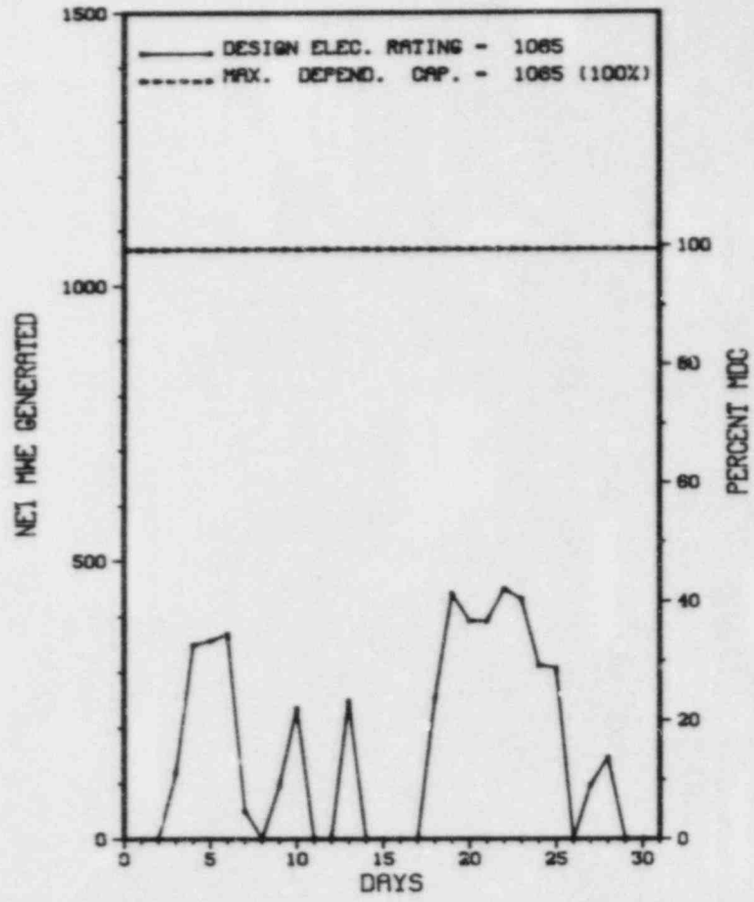
MAINTENANCE OUTAGE; OCTOBER 20, 1984; 8 WEEKS

27. If Currently Shutdown Estimated Startup Date: 09/04/84

****
* SUSQUEHANNA 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* SUSQUEHANNA 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/26/84	S	57.2	B	3	84-013	ZZ	ZZZZZZ	REACTOR SCRAM FOR SCHEDULED STARTUP TEST.
4	08/07/84	S	53.1	B	3		ZZ	ZZZZZZ	REACTOR SCRAM AS PART OF SCHEDULED STARTUP TEST.
5	08/10/84	F	53.9	H	3		HA	XXXXXX	GENERATOR REMOVED FROM GRID TO INSTALL MISSING GASKET IN MAIN STEAM LINE.
6	08/13/84	F	95.7	H	3		HA	XXXXXX	GENERATOR REMOVED FROM GRID TO INSTALL GASKET IN MAIN STEAM LINE.
7	08/26/84	F	28.6	A	3	84-017	HA	VALVEX	REACTOR SCRAM FOLLOWING TURBINE TRIP ON MOISTURE SEPARATOR DRAIN TANK HIGH LEVEL.
8	08/28/84	F	82.1	A	3	84-017	HA	VALVEX	REACTOR SCRAM FOLLOWING TURBINE TRIP ON MOISTURE SEPARATOR DRAIN TANK HIGH LEVEL.

****
* SUMMARY *
****

SUSQUEHANNA CONTINUES IN TESTING AND APPROACH TO FULL POWER.

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

****
* SUSQUEHANNA 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....LUZERNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 8, 1984

DATE ELEC ENER 1ST GENER...JULY 3, 1984

DATE COMMERCIAL OPERATE....**********

CONDENSER COOLING METHOD...CC,HNDCT

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT

CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....L. PLISCO

LICENSING PROJ MANAGER.....R. PERCH
DOCKET NUMBER.....50-388

LICENSE & DATE ISSUANCE....NPF-22, JUNE 27, 1984

PUBLIC DOCUMENT ROOM.....
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

SUSQUEHANNA 2

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-289 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: C. W. SMYTH (717) 948-8551
4. Licensed Thermal Power (MWt): 2535
5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871
6. Design Electrical Rating (Net MWe): 819
7. Maximum Dependable Capacity (Gross MWe): 840
8. Maximum Dependable Capacity (Net MWe): 776
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	87,648.0
13. Hours Reactor Critical	.0	.0	31,731.8
14. Rx Reserve Shtdwn Hrs	.0	.0	839.5
15. Hrs Generator On-Line	.0	.0	31,180.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	76,531,071
18. Gross Elec Ener (MWH)	0	0	25,484,330
19. Net Elec Ener (MWH)	0	0	23,840,053
20. Unit Service Factor	.0	.0	35.6
21. Unit Avail Factor	.0	.0	35.6
22. Unit Cap Factor (MDC Net)	.0	.0	34.8*
23. Unit Cap Factor (DER Net)	.0	.0	33.2
24. Unit Forced Outage Rate	100.0	100.0	61.1
25. Forced Outage Hours	744.0	5,855.0	48,980.5

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

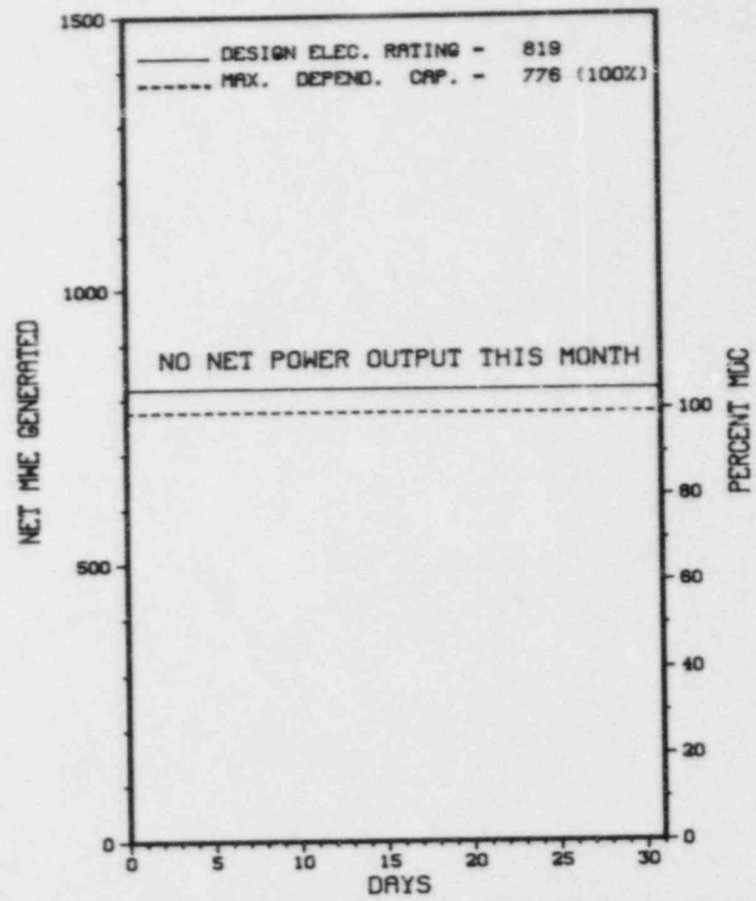
NONE

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

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 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 SHUT DOWN FOLLOWING THE ACCIDENT AT UNIT 2.

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

****
* THREE MILE ISLAND 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....DAUPHIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 5, 1974

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

DATE COMMERCIAL OPERATE....SEPTEMBER 2, 1974

CONDENSER COOLING METHOD... COOLING TOWERS

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.

CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....R. CONTE

LICENSING PROJ MANAGER.....J. VANVLIET
DOCKET NUMBER.....50-289

LICENSE & DATE ISSUANCE....DPR-50, APRIL 19, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XV REQUIRES THAT:"...NON-CONFORMING ITEMS SHALL BE REVIEWED AND ACCEPTED, REJECTED, REPAIRED OR REWORKED IN ACCORDANCE WITH DOCUMENTED PROCEDURES." SECTION 4.5.1 OF LICENSE PROCEDURE NO. EMP-015 STATES IN PART, THAT: "THE CONGNIZANT ENGINEER WILL PERFORM AN EVALUATION OF THE NONCONFORMANCES, PROPOSED DISPOSITIONS....FOR ALL MNCR'S THE APPROPRIATE DISPOSITION CATEGORY SHALL BE CHECKED AND THE TECHNICAL JUSTIFICATION STATED FOR REPAIR OR USE-AS-IS DISPOSITION." SECTION 2.4 OF THE DESIGN CONTROL PROCEDURE NO. 2.05 FOR FIELD CHANGE REQUESTS AND DESIGN VERFICATION RECORDS (DVR) STATES, IN PART, THAT: "VERIFICATION SHALL BE RECORDED ON THE DVR FORM GA1-468 (ATTACHMENT 1). THIS ATTACHMENT REQUIRES THAT THE VERIFICATION PACKAGE INCLUDE DOCUMENTS TO BE VERIFIED, SUPPORTING DOCUMENTS, EXTENT OF VERIFICATION AND RESULTS OF VERIFICATION. CONTRARY TO THE ABOVE, ON MARCH 9, 1984, THE INSPECTOR NOTED THAT THE LICENSEE WAS NOT DOCUMENTING THE TECHNICAL JUSTIFICATION FOR USE-AS-IS DISPOSITION OF DEVIATIONS/NONCONFORMANCES IDENTIFIED IN FIELD CHANGE REQUEST C-005021. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT II).
(8406 5)

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES, IN PART, THAT WRITTEN PROCEDURES IMPORTANT TO SAFETY SHALL BE IMPLEMENTED. ADMINISTRATIVE PROCEDURE 1043, REVISION 6, JANUARY 10, 1984, CONTROL OF PLANT MODIFICATIONS, PARAGRAPHS 3.8.5 AND 3.8.11 REQUIRE, IN PART, THAT THE GROUP INSTALLING A MODIFICATION OBSERVE THE REQUIREMENTS OF THE INSTALLATION PROCEDURES APPLICABLE TO A JOB ORDER(S) AND THAT, UPON COMPLETION OF THE WORK, THE GROUP SHALL SIGN THE COMPLETION SECTION OF THE JOB ORDER LISTING ANY DEFICIENCIES OR IMCOMPLETE WORK LIST ITEMS. THE JOB ORDER A25A-30377, MODIFICATION OF THE UNIT 2 CONDENSATE STORAGE TANK (CST) FOR USE BY UNIT 1, REQUIRES, IN PART, THE INSTALLATION OF A WELDED VENT CAP OVER A STORM DRAIN PIPE TO PREVENT CST WATER OVERFLOW (POTENTIALLY CONTAMINATED) DIRECTLY INTO THE NEARBY STORM DRAIN SYSTEM. CONTRARY TO THE ABOVE, AS OF APRIL 18, 1984, THE VENT CAP FOR THE STORM DRAIN PIPE NEAR THE UNIT 2 CST (DESIGNATED FOR USE BY UNIT 1) WAS NOT INSTALLED AND WELDED. IN ADDITION, THE ASSOCIATED JOB ORDER WAS SIGNED OFF AS BEING COMPLETE WITH NO DEFICIENCIES OR INCOMPLETE WORK ITEMS LISTED REGARDING THE VENT CAP INSTALLATION. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8411 4)

TECHNICAL SPECIFICATION 6.8.1 SPECIFIES THAT WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978 SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. RWP PROCEDURE 1613, REVISION 25, SECTION 5.2 STATES, "A DOSE RATE INSTRUMENT OR AN ALARMING DOSIMETER IS REQUIRED FOR ENTRY INTO AN AREA THAT IS ENTERED UNDER A STANDING RWP." RADIATION WORK PERMIT NO. 25908, A STANDING RWP FOR THE NUCLEAR SAMPLING ROOM REQUIRES A DOSE RATE INSTRUMENT OR XETEX FOR ENTRY INTO THE AREA COVERED BY THIS PERMIT. CONTRARY TO THE ABOVE, THE PROVISIONS OF THE RADIATION WORK PERMIT WERE NOT FOLLOWED. ON JUNE 7, 1984, AT APPROXIMATELY 9:00 A.M. AND AGAIN AT APPROXIMATELY 9:30 A.M., A CHEMISTRY TECHNICIAN WAS OBSERVED BY THE INSPECTOR ENTERING THE AREA COVERED BY RADIATION WORK PERMIT NO. 25908 WITHOUT A DOSE RATE INSTRUMENT OR XETEX WITH HIM. POSTED DOSE RATE READINGS WERE LOCALIZED ON AREAS OF THE FLOOR AT 100 MILLIREMS (GAMMA) AND 120 MILLIREMS (GAMMA).
(8416 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.

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NO INPUT PROVIDED.

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1. Docket: 50-344 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: G. G. BAIR (503) 556-3713 X234
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216
6. Design Electrical Rating (Net MWe): 1130
7. Maximum Dependable Capacity (Gross MWe): 1122
8. Maximum Dependable Capacity (Net MWe): 1080
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

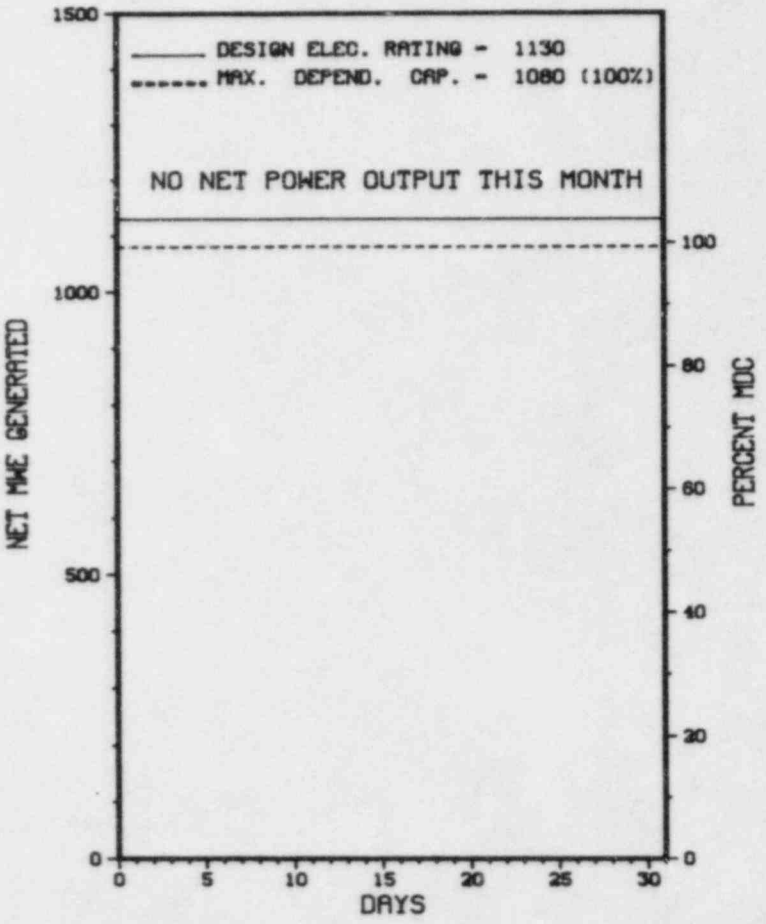
	MONTH	YEAR	CUMULATIVE
12. Repurt Period Hrs	744.0	5,855.0	70,127.0
13. Hours Reactor Critical	.0	2,793.6	41,643.9
14. Rx Reserve Shtdwn Hrs	.0	.0	3,875.4
15. Hrs Generator On-Line	.0	2,776.2	40,330.3
16. Unit Reserve Shtdwn Hrs	.0	.0	3,237.0
17. Gross Therm Ener (MWH)	0	9,111,746	127,675,599
18. Gross Elec Ener (MWH)	0	2,940,315	41,515,806
19. Net Elec Ener (MWH)	-4,468	2,808,125	39,222,151
20. Unit Service Factor	.0	47.4	57.5
21. Unit Avail Factor	.0	47.4	62.1
22. Unit Cap Factor (MDC Net)	.0	44.4	51.8
23. Unit Cap Factor (DER Net)	.0	42.4	49.5
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: 09/12/84

****
* TROJAN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



AUGUST 1984

Report Period AUG 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	3	84-06	TA	ZZZZZZ	CONTINUED ANNUAL REFUELING/MAINTENANCE OUTAGE WHICH BEGAN AT 1827 ON APRIL 27, 1984.

****
* SUMMARY *
****

TROJAN REMAINED SHUT DOWN FOR REFUELING AND MAINTENANCE DURING ALL OF AUGUST.

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 JULY 12 - AUGUST 6, 1984 (REPORT 50-344/84-18) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUS INSPECTION ITEMS, REFUELING ACTIVITIES, SHIFT TURNOVER PRACTICES, AND SPLIT PIN REPLACEMENT WORK. THE INSPECTION INVOLVED 251 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 30 - AUGUST 3, 1984 (REPORT NO. 50-344/84-19) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE NONCONFORMANCE PROGRAM, ROUTINE (NONAUDIT) QUALITY FINDINGS, QUALIFICATION OF VENDOR SUPPORT PERSONNEL, MAINTENANCE AND TRAINING PROGRAMS. THE INSPECTION INVOLVED 79 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 13 - 17, 1984 (REPORT NO. 50-344/84-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 7 - SEPTEMBER 30, 1984 (REPORT NO. 50-344/84-21) REPORT BEINC PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 20-24, 1984 (REPORT NO. 50-344/84-22) REPORT CANCELLED.

INSPECTION SUMMARY

+ INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1984 (REPORT NO. 50-344/84-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 27-31, 1984 (REPORT NO. 50-344/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ REACTOR COOLANT PUMP "A" & "D" SEAL LEAKAGE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ REACTOR VESSEL DRAINED TO NOZZLES, REPAIRING/REPLACING REACTOR COOLANT PUMP "A" AND "D" SEALS. STARTUP PREDICTED SEPTEMBER 10, 1984.

LAST IE SITE INSPECTION DATE: 08/27-08/31/84+

INSPECTION REPORT NO: 50-344/84-24+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-08-L1	04-27-84	05-29-84	MISSED T.S. SURVEILLANCE FOR SEALED RADIOACTIVE SOURCES
84-09-L1	04-29-84	05-29-84	FAILURE OF CONTAINMENT LOW-RANGE NOBLE GAS DETECTOR

1. Docket: 50-250 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 552-3675
4. Licensed Thermal Power (MWt): 2200
5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760
6. Design Electrical Rating (Net MWe): 693
7. Maximum Dependable Capacity (Gross MWe): 700
8. Maximum Dependable Capacity (Net MWe): 666
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	102,920.6
13. Hours Reactor Critical	729.6	4,893.3	72,918.4
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	725.5	4,783.8	70,706.0
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	1,535,986	10,249,479	145,738,071
18. Gross Elec Ener (MWH)	487,535	3,294,300	46,594,865
19. Net Elec Ener (MWH)	462,803	3,120,424	44,033,441
20. Unit Service Factor	97.5	81.7	68.7
21. Unit Avail Factor	97.5	81.7	68.8
22. Unit Cap Factor (MDC Net)	93.4	80.0	66.0*
23. Unit Cap Factor (DER Net)	89.8	76.9	61.7
24. Unit Forced Outage Rate	2.5	9.5	5.6
25. Forced Outage Hours	18.5	502.8	3,682.9

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

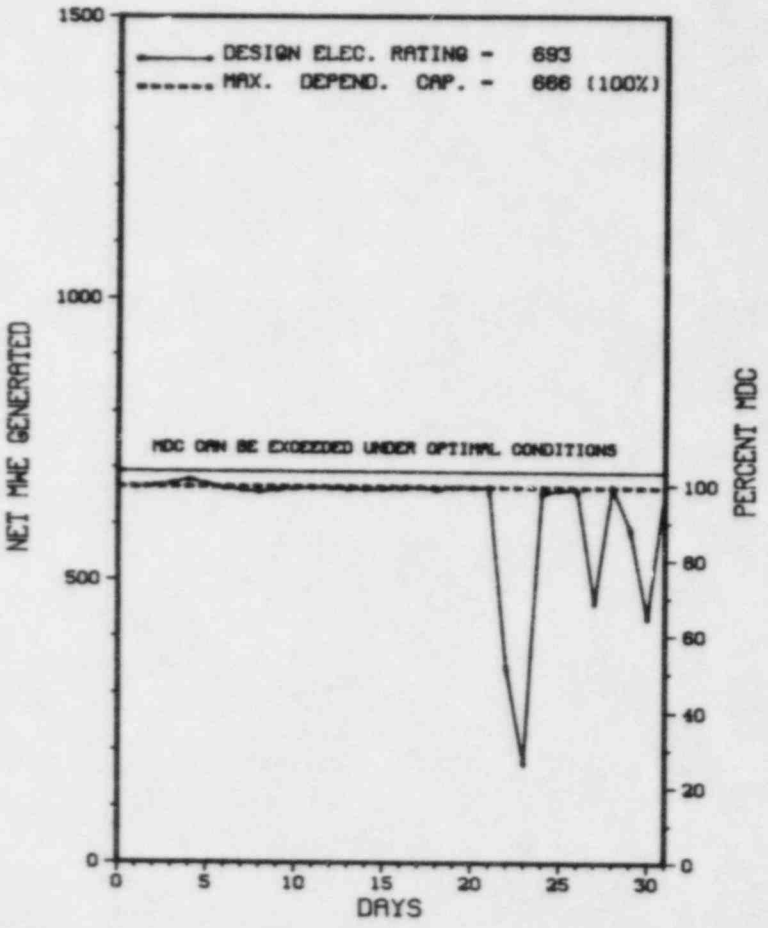
NONE

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

****
* TURKEY POINT 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	08/22/84	F	0.0	A	5		RB	CONROD	A SHUTDOWN BANK CONTROL ROD DROPPED DUE TO A BLOWN FUSE WHICH CAUSED A TURBINE RUNBACK.
16	08/22/84	F	18.5	A	1	250-84-23	RB	CONROD	THE UNIT WAS SHUTDOWN TO REPAIR A LOOSE CABLE WHICH CAUSED CONTROL ROD FUSE TO BLOW. THE UNIT WAS RETURNED TO POWER OPERATION.
17	08/27/84	F	0.0	A	5		HB	PIPEXX	A CRACKED WELD ON A STEAM GENERATOR FEED PUMP DRAIN LINE REQUIRED A POWER REDUCTION TO REPAIR.
18	08/29/84	F	0.0	A	5		HB	PIPEXX	A FURTHER POWER REDUCTION WAS REQUIRED TO REPAIR ABOVE DRAIN LINE.

SUMMARY

TURKEY POINT 3 OPERATED ROUTINELY IN AUGUST.

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	

****
* TURKEY POINT 3 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 20, 1972

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

DATE COMMERCIAL OPERATE....DECEMBER 14, 1972

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. PEEBLES

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 10 - JULY 14 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 190 INSPECTION HOURS ON SITE, INCLUDING 98 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LER FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, EMERGENCY SAFETY FEATURES (ESF) WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE EIGHT AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS: FOUR VIOLATIONS WERE FOUND IN FOUR AREAS; LACK OF OPERABILITY CRITERIA FOR TECHNICAL SPECIFICATION (TS) REQUIRED CHARGING PUMPS AND BORIC ACID TRANSFER PUMPS; FAILURE OF SUPERVISORY PERSONNEL TO IMPLEMENT CORRECTIVE ACTIONS PER REQUIREMENTS AND FAILURE TO ESTABLISH AN ADEQUATE PROCEDURE TO PERFORM MAINTENANCE; FAILURE TO ESTABLISH QC HOLDPOINTS; AND FAILURE TO PERFORM A TS SURVEILLANCE FOR THE SECOND TIME.

INSPECTION AUGUST 7-10 (84-24): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE TESTING (IST) OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TS 6.8.1 REQUIRES WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972 AND APP. "A" OF USNRC REG. GUIDE 1.33. SECTION 5.3.5(2) OF ANSI N18.7-1972, "PERFORMANCE OF MAINTENANCE", STATES PROCEDURES SHOULD CONTAIN DETAIL TO PERMIT THE MAINTENANCE WORK

ENFORCEMENT SUMMARY

TO BE PERFORMED SAFEFLY AND EXPEDITIOUSLY. CONTRARY TO THE ABOVE: (A) ON 6/19/84, MP 4107.7 "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY", FAILED TO MEET THE REQUIREMENTS OF TS 6.8.1 IN THAT: (1) MP-4107.7 DID NOT CONTAIN SUFFICIENT DETAIL TO PREVENT THE THRUST BEARINGS FROM BEING INSTALLED IMPROPERLY. (2) MP-4107.7 CONTAINED TWO SUPERSEDED PAGES ITEMIZING TOLERANCE DATA WHICH WAS NOT ACCURATE AND CONSEQUENTLY USE OF THE PROCEDURE COULD HAVE PREVENTED THE SAFE AND EXPEDITIOUS REPAIR OF THE PUMP. (3) MP-4107.7 DID NOT REQUIRE THE PUMP BE REFILLED WITH OIL. (4) MP-4107.7 DID NOT CONTAIN SUFFICIENT DETAIL TO REQUIRE VENTING OF THE PUMP PRIOR TO OPERATION. (B) AP 0190.10, "CLEANING OF NUCLEAR SAFETY RELATED SYSTEMS AND COMPONENTS" WAS NOT PROPERLY IMPLEMENTED ON 6/19/84. THE PROCEDURE STATES THAT ALL OPENINGS IN NUC. SAFETY RELATED SYSTEMS OR COMPONENTS SHALL BE PROTECTED FROM OUTSIDE CONTAMINANTS EXCEPT WHEN NECESSARY TO CARRY OUT REQUIRED OPERATIONS. DURING THE PERFORMANCE OF MP 4107.7 "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY", NUMEROUS PIECES OF COMPONENT COOLING WATER PIPE WERE DISASSEMBLED AND LEFT WITH PIPE ENDS OPEN TO THE ENVIRONMENT AND NOT PROTECTED AGAINST FOREIGN MATERIAL INTRUSION. (C) AP 0103.11, "HOUSEKEEPING" WAS NOT PROPERLY IMPLEMENTED ON 6/19/84. THE PROCEDURE ESTABLISHES GUIDELINES FOR THE CONTROL OF WORK ACTIVITIES, EQUIPMENT, MATERIAL AND ENVIRONMENTS WHICH AFFECT THE CLEANLINESS OF THE PLANT SITE. IT PROVIDES PROCEDURES FOR INSPECTION AND SUBSEQUENT CORRECTION OF UNSATISFACTORY CLEANLINESS CONDITIONS. SECTION 5.2. OF AP 0103.11 REQUIRES THAT SUPERVISORS ENSURE AND VERIFY THAT AREAS UNDER THEIR COGNIZANCE ARE MAINTAINED IN A CLEAN CONDITION AND DIRECTS SUPERVISORS TO ENSURE CORRECTIVE ACTIONS ARE INITIATED TO RESOLVE UNSATISFACTORY CONDITIONS. 10 CFR 50, APPENDIX B, CRITERION X AS IMPLEMENTED BY FP&L TOPICAL QUALITY ASSURANCE REPORT REV. 6; TQR 10.0 "INSPECTION"; QUALITY PROCEDURE 10.3 REV. 5 "INSPECTION AND SURVEILLANCE OF MAINTENANCE ACTIVITIES OPERATIONS AND FUEL HANDLING" AND ADMINISTRATIVE PROCEDURE (AP) 0190.19, "CONTROL OF MAINTENANCE ON NUCLEAR SAFETY RELATED AND FIRE PROTECTION SYSTEMS", REQUIRES IN AP-0190.19 APPENDIX "A" THAT QUALITY CONTROL (QC) HOLD POINTS SHALL BE INCLUDED IN MAINTENANCE PROCEDURES SO THAT QC INSPECTORS CAN WITNESS AND VERIFY CRITICAL MEASUREMENTS AND ADJUSTMENTS ON NUCLEAR SAFETY RELATED SYSTEMS AND COMPONENTS IN CIRCUMSTANCES WHERE SUCH ADJUSTMENTS OR MEASUREMENTS CANNOT BE VERIFIED TO COMPLETION OF THE REPAIR. CONTRARY TO THE ABOVE, QC HOLDPOINTS FOR SEVERAL PROCEDURAL STEPS WHICH DEAL WITH CRITICAL MEASUREMENTS AND ADJUSTMENTS WERE NOT ESTABLISHED IN MAINTENANCE PROCEDURE (MP) 4107.7, "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY. TECHNICAL SPECIFICATION 1.4 STATES THAT A COMPONENT IS OPERABLE WHEN IT IS CAPABLE OF PERFORMING ITS INTENDED FUNCTION. T.S. 3.6 REQUIRES THAT CHARGING PUMPS BE OPERABLE DURING CERTAIN REACTOR CONDITIONS. CONTRARY TO THE ABOVE, ON JULY 3, 1984, DURING UNIT 3 POWER OPERATION, THE "3A" CHARGING PUMP WAS NOT CAPABLE OF PERFORMING ITS INTENDED FUNCTION AND THE PUMP WAS NOT DECLARED INOPERABLE BECAUSE THE LICENSEE HAD NO OPERABILITY CRITERIA FOR THE PUMPS.
(8422 4)

TECHNICAL SPECIFICATION 4.1 SPECIFIES EQUIPMENT AND SAMPLING THAT SHALL BE CONDUCTED AS SPECIFIED IN TABLE 4.1-2. ITEM 1(H)(2) OF TABLE 4.1-2 SPECIFIES THAT AN ISOTOPIC ANALYSIS FOR IODINE SAMPLE SHALL BE OBTAINED BETWEEN 2 AND 6 HOURS FOLLOWING A THERMAL POWER CHANGE EXCEEDING 15 PERCENT OF THE RATED POWER WITHIN A ONE HOUR PERIOD. CONTRARY TO THE ABOVE, ON MAY 13, 1984, AN ISOTOPIC ANALYSIS FOR IODINE SAMPLE WAS NOT OBTAINED BETWEEN 2 AND 6 HOURS FOLLOWING A THERMAL POWER CHANGE EXCEEDING 15 PERCENT OF THE RATED POWER WITHIN A ONE HOUR PERIOD.

(8422 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

OTHER ITEMS

PEP IN PROGRESS.

PLANT STATUS:

OPERATING.

LAST IE SITE INSPECTION DATE: AUGUST 7-10, 1984 +

INSPECTION REPORT NO: 50-250/84-24 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	07/17/84	07/24/84	TURKEY POINT PLANT WAS NOTIFIED BY BECHTEL POWER CORPORATION AND POWER PLANT ENGINEERING OF A 10 CFR PART 21 DEFICIENCY CONCERNING THE CONTROL CIRCUITRY FOR PRESSURE CONTROLLERS.
84-020	07/12/84	08/10/84	REACTOR COOLANT SYSTEM LEAK OF APPROXIMATELY 13.5 GPM, THE CAUSE WAS LEAKAGE DUE TO A BROKEN GLAND FLANGE.

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1. Docket: 50-251 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	96,648.0
13. Hours Reactor Critical	630.0	3,148.2	67,787.0
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	625.5	2,984.6	65,453.0
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	1,357,861	6,544,891	138,300,632
18. Gross Elec Ener (MWH)	429,075	2,021,830	43,943,192
19. Net Elec Ener (MWH)	405,672	1,902,597	41,609,705
20. Unit Service Factor	84.1	51.0	67.7
21. Unit Avail Factor	84.1	51.0	67.8
22. Unit Cap Factor (MDC Net)	81.9	48.8	66.4*
23. Unit Cap Factor (DER Net)	78.7	46.9	62.1
24. Unit Forced Outage Rate	15.9	21.6	5.4
25. Forced Outage Hours	118.5	824.3	3,366.1

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

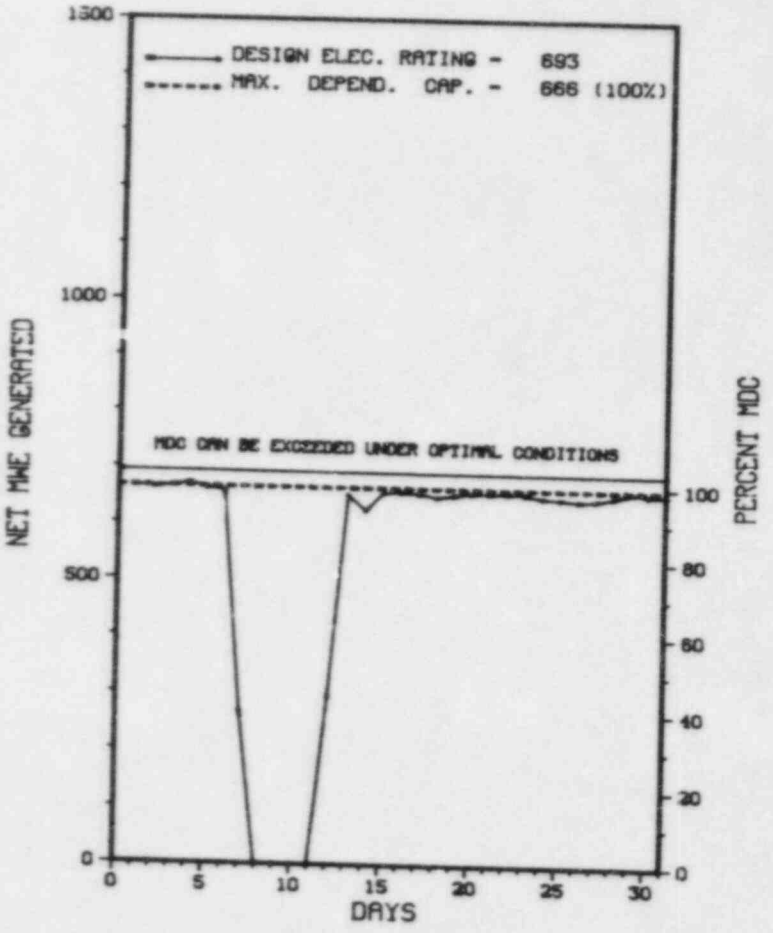
NONE

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

****
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* TURKEY POINT 4 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	08/07/84	F	118.5	G	3	84-017	EB	RELAYX	REACTOR TRIP CAUSED BY THE LOSS OF POWER TO A FEED PUMP AND CONDENSATE PUMP DUE TO AN INCORRECT SWITCHING ORDER WHICH CAUSED LOSS OF A TRANSFORMER. POWER WAS RESTORED AND THE UNIT RETURNED TO FULL POWER OPERATION FOLLOWING VERIFICATION OF THE MODERATOR TEMPERATURE COEFFICIENT.

****
* SUMMARY *
****

TURKEY POINT 4 INCURRED 1 SHUTDOWN IN AUGUST AS DETAILED ABOVE.

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

****
* TURKEY POINT 4 *
****

FACILITY DATA

Report Period AUG 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

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 18 - JULY 14 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 190 INSPECTION HOURS ON SITE, INCLUDING 98 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LER FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, EMERGENCY SAFETY FEATURES (ESF) WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE EIGHT AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS: FOUR VIOLATIONS WERE FOUND IN FOUR AREAS; LACK OF OPERABILITY CRITERIA FOR TECHNICAL SPECIFICATION (TS) REQUIRED CHARGING PUMPS AND BORIC ACID TRANSFER PUMPS; FAILURE OF SUPERVISORY PERSONNEL TO IMPLEMENT CORRECTIVE ACTIONS PER REQUIREMENTS AND FAILURE TO ESTABLISH AN ADEQUATE PROCEDURE TO PERFORM MAINTENANCE; FAILURE TO ESTABLISH QC HOLDPOINTS; AND FAILURE TO PERFORM A TS SURVEILLANCE FOR THE SECOND TIME.

INSPECTION AUGUST 7-10 (84-25): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE TESTING (IST) OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TS 6.8.1 REQUIRES WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972 AND APP. "A" OF USNRC REG. GUIDE 1.33. SECTION 5.3.5(2) OF ANSI N18.7-1972, "PERFORMANCE OF MAINTENANCE", STATES PROCEDURES SHOULD CONTAIN DETAIL TO PERMIT THE MAINTENANCE WORK

ENFORCEMENT SUMMARY

TO BE PERFORMED SAFEFLY AND EXPEDITIOU3LY. CONTRARY TO THE ABOVE: (A) ON 6/19/84, MP 4107.7 "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY", FAILED TO MEET THE REQUIREMENTS OF TS 6.8.1 IN THAT: (1) MP-4107.7 DID NOT CONTAIN SUFFICIENT DETAIL TO PREVENT THE THRUST BEARINGS FROM BEING INSTALLED IMPROPERLY. (2) MP-4107.7 CONTAINED TWO SUPERSEDED PAGES ITEMIZING TOLERANCE DATA WHICH WAS NOT ACCURATE AND CONSEQUENTLY USE OF THE PROCEDURE COULD HAVE PREVENTED THE SAFE AND EXPEDITIOUS REPAIR OF THE PUMP. (3) MP-4107.7 DID NOT REQUIRE THE PUMP BE REFILLED WITH OIL. (4) MP-4107.7 DID NOT CONTAIN SUFFICIENT DETAIL TO REQUIRE VENTING OF THE PUMP PRIOR TO OPERATION. (B) AP 0190.10, "CLEANING OF NUCLEAR SAFETY RELATED SYSTEMS AND COMPONENTS" WAS NOT PROPERLY IMPLEMENTED ON 6/19/84. THE PROCEDURE STATES THAT ALL OPENINGS IN NUC. SAFETY RELATED SYSTEMS OR COMPONENTS SHALL BE PROTECTED FROM OUTSIDE CONTAMINANTS EXCEPT WHEN NECESSARY TO CARRY OUT REQUIRED OPERATIONS. DURING THE PERFORMANCE OF MP 4107.7 "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY", NUMEROUS PIECES OF COMPONENT COOLING WATER PIPE WERE DISASSEMBLED AND LEFT WITH PIPE ENDS OPEN TO THE ENVIRONMENT AND NOT PROTECTED AGAINST FOREIGN MATERIAL INTRUSION. (C) AP 0103.11, "HOUSEKEEPING" WAS NOT PROPERLY IMPLEMENTED ON 6/19/84. THE PROCEDURE ESTABLISHES GUIDELINES FOR THE CONTROL OF WORK ACTIVITIES, EQUIPMENT, MATERIAL AND ENVIRONMENTS WHICH AFFECT THE CLEANLINESS OF THE PLANT SITE. IT PROVIDES PROCEDURES FOR INSPECTION AND SUBSEQUENT CORRECTION OF UNSATISFACTORY CLEANLINESS CONDITIONS. SECTION 5.2. OF AP 0103.11 REQUIRES THAT SUPERVISORS ENSURE AND VERIFY THAT AREAS UNDER THEIR COGNIZANCE ARE MAINTAINED IN A CLEAN CONDITION AND DIRECTS SUPERVISORS TO ENSURE CORRECTIVE ACTIONS ARE INITIATED TO RESOLVE UNSATISFACTORY CONDITIONS. 10 CFR 50, APPENDIX B, CRITERION X AS IMPLEMENTED BY FP&L TOPICAL QUALITY ASSURANCE REPORT REV. 6; TQR 10.0 "INSPECTION"; QUALITY PROCEDURE 10.3 REV. 5 "INSPECTION AND SURVEILLANCE OF MAINTENANCE ACTIVITIES OPERATIONS AND FUEL HANDLING" AND ADMINISTRATIVE PROCEDURE (AP) 0190.19, "CONTROL OF MAINTENANCE ON NUCLEAR SAFETY RELATED AND FIRE PROTECTION SYSTEMS", REQUIRES IN AP-0190.19 APPENDIX "A" THAT QUALITY CONTROL (QC) HOLD POINTS SHALL BE INCLUDED IN MAINTENANCE PROCEDURES SO THAT QC INSPECTORS CAN WITNESS AND VERIFY CRITICAL MEASUREMENTS AND ADJUSTMENTS ON NUCLEAR SAFETY RELATED SYSTEMS AND COMPONENTS IN CIRCUMSTANCES WHERE SUCH ADJUSTMENTS OR MEASUREMENTS CANNOT BE VERIFIED TO COMPLETION OF THE REPAIR. CONTRARY TO THE ABOVE, QC HOLDPOINTS FOR SEVERAL PROCEDURAL STEPS WHICH DEAL WITH CRITICAL MEASUREMENTS AND ADJUSTMENTS WERE NOT ESTABLISHED IN MAINTENANCE PROCEDURE (MP) 4107.7, "HIGH HEAD SIS PUMP DISASSEMBLY, REPLACEMENT OF ROTATING ELEMENT AND REASSEMBLY. TECHNICAL SPECIFICATION 1.4 STATES THAT A COMPONENT IS OPERABLE WHEN IT IS CAPABLE OF PERFORMING ITS INTENDED FUNCTION. T.S. 3.6 REQUIRES THAT CHARGING PUMPS BE OPERABLE DURING CERTAIN REACTOR CONDITIONS. CONTRARY TO THE ABOVE, ON JULY 3, 1984, DURING UNIT 3 POWER OPERATION, THE "3A" CHARGING PUMP WAS NOT CAPABLE OF PERFORMING ITS INTENDED FUNCTION AND THE PUMP WAS NOT DECLARED INOPERABLE BECAUSE THE LICENSEE HAD NO OPERABILITY CRITERIA FOR THE PUMPS.
(8423 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

COMPLETED STEAM GENERATOR REPLACEMENT.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 7-10, 1984 +

OTHER ITEMS

INSPECTION REPORT NO: 50-251/84-25 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	06/24/84	07/24/84	AUTOMATIC INITIATION OF AUXILIARY FEEDWATER OCCURRED. THE ROOT CAUSE WAS DETERMINED TO STEM FROM THE TRIP OF THE 4B STEAM GENERATOR FEEDWATER PUMP DUE TO INADEQUATE SUCTION PRESSURE.
84-014	06/26/84	07/25/84	REACTOR TRIP WHILE AT HOT SHUTDOWN CONDITIONS, DUE TO SOURCE RANGE DETECTOR FAILED HIGH ABOVE REACTOR TRIP SETPOINT N-32, THAT FAILED HIGH ABOVE THE REACTOR TRIP SETPOINT.
84-015	07/16/84	08/10/84	UNIT 4 EXPERIENCED AN UNEXPECTED START OF THE 4A HIGH HEAD SAFETY INJECTION PUMP. CONSTRUCTION PERSONNEL INADVERTENTLY STRIKING THE LOCAL CONTROL SWITCH.

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1. Docket: 50-271 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: F. J. BURGER (802) 257-7711 X136
4. Licensed Thermal Power (MWt): 1593
5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563
6. Design Electrical Rating (Net MWe): 514
7. Maximum Dependable Capacity (Gross MWe): 535
8. Maximum Dependable Capacity (Net MWe): 504
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	104,713.8
13. Hours Reactor Critical	579.7	4,466.1	84,164.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	471.8	4,326.0	81,818.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	533,537	6,466,307	118,626,979
18. Gross Elec Ener (MWH)	165,593	2,177,861	39,470,939
19. Net Elec Ener (MWH)	152,746	2,081,736	37,446,752
20. Unit Service Factor	63.4	73.9	78.1
21. Unit Avail Factor	63.4	73.9	78.1
22. Unit Cap Factor (MDC Net)	40.8	70.5	71.0
23. Unit Cap Factor (DER Net)	40.0	69.2	69.6
24. Unit Forced Outage Rate	15.5	5.2	7.3
25. Forced Outage Hours	86.8	237.4	5,128.6

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

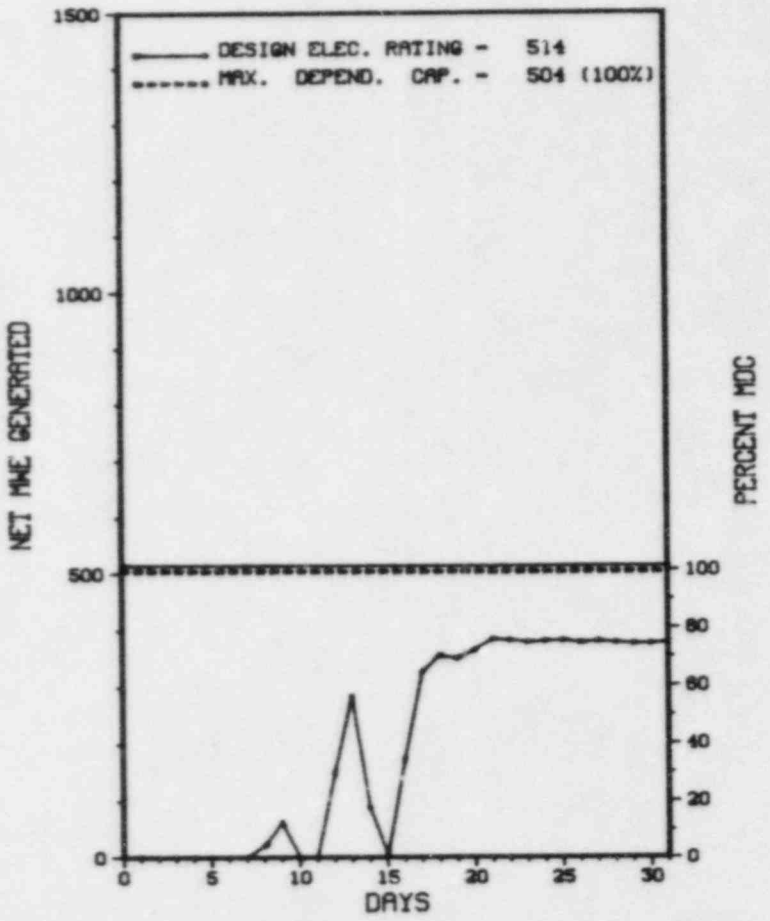
NONE

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

****
* VERMONT YANKEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* VERMONT YANKEE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	06/15/84	S	185.4	C	1				REFUELING OUTAGE CONCLUDES.
84-13	08/09/84	F	55.6	A	1		CD	ELECON	LOSS OF MSIV POSITION INDICATION CAUSED BY FAILURE OF RECENTLY INSTALLED CONNECTORS. CONNECTORS WERE REPLACED.
84-14	08/14/84	F	31.2	A	1		HC	HTEXCH	HIGH REACTOR COOLANT CONDUCTIVITY CAUSED BY MAIN CONDENSER TUBE LEAKAGE. FAILED TUBES WERE PLUGGED.

****
* SUMMARY *
****

VERMONT YANKEE RETURNED TO OPERATION AFTER REFUELING AND EXPERIENCED 2 ADDITIONAL SHUTDOWNS IN AUGUST.

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

****
* VERMONT YANKEE 1 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE....NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.5.A REQUIRES THAT DETAILED WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECK-OFF LISTS, BE PREPARED, IMPLEMENTED AND FOLLOWED. PROCEDURE OP 4374 WAS WRITTEN PURSUANT TO THE ABOVE TO PROVIDE FOR THE PERIODIC CALIBRATION AND TESTING OF THE TORUS LEVEL INSTRUMENT CHANNELS. OP 4374 REQUIRES THAT CERTAIN CHECKS BE COMPLETED AND NOTIFICATIONS BE MADE TO SECURE FROM TESTING FOLLOWING THE COMPLETION OF A CHANNEL CALIBRATION. CONTRARY TO THE ABOVE, TESTING ACTIVITIES WERE TERMINATED AT 3:45 P.M. ON MAY 8, 1984, FOLLOWING A CALIBRATION OF THE TORUS LEVEL INSTRUMENTS AND THE FOLLOWING ACTIONS WERE NOT COMPLETED IN ACCORDANCE WITH OP 4374: RECORDING THE FINAL TORUS LEVEL INDICATION TO VERIFY IT WAS PROPER; VERIFYING THE HIGH PRESSURE COOLANT INJECTION PUMP SUCTION VALVES WERE RETURNED TO THE PROPER STANDBY ALIGNMENT; NOTIFYING THE SHIFT SUPERVISOR OF THE TEST RESULTS AND THE STATUS OF TESTING; AND OBTAINING THE SHIFT SUPERVISOR'S REVIEW AND CONCURRENCE THAT THE THEST RESULTS WERE ACCEPTABLE. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I).
(8410 5)

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.

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: 50-397 OPERATING STATUS

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1100

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1155

8. Maximum Dependable Capacity (Net MWe): 1100

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,306.2	2,306.2
13. Hours Reactor Critical	465.7	1,117.8	1,117.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	235.8	663.2	663.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	377,947	844,192	844,192
18. Gross Elec Ener (MWH)	96,968	199,448	199,448
19. Net Elec Ener (MWH)	88,842	181,528	181,528
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	427.3	1,545.7	1,545.7

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

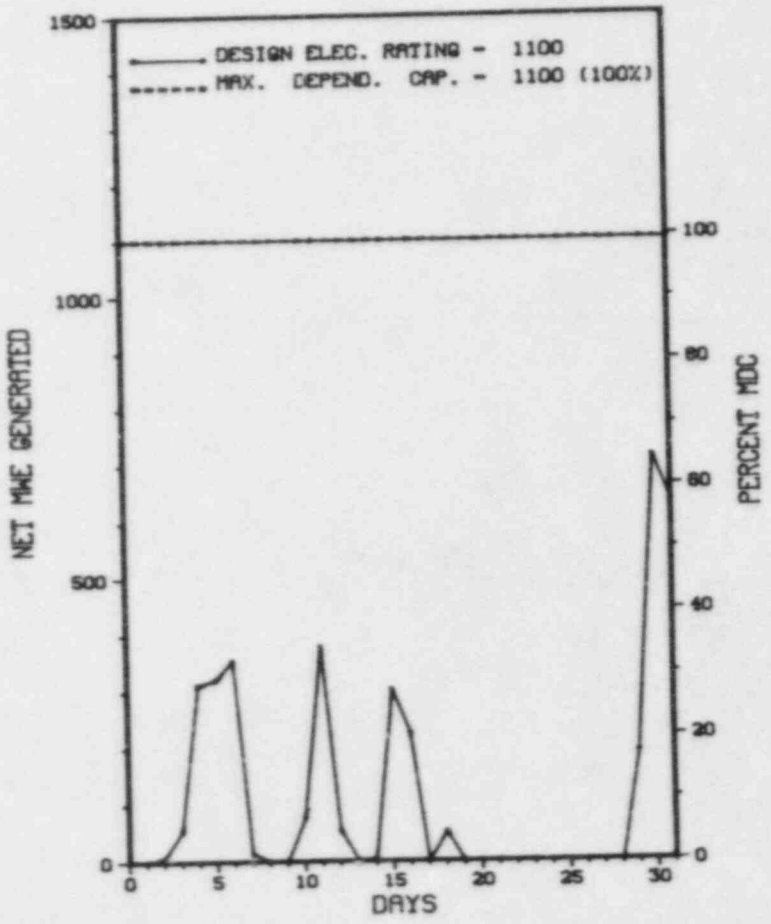
MAINTENANCE M2 OUTAGE, 10/4 THRU 10/10/84

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

****
* WASHINGTON NUCLEAR 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



AUGUST 1984

Report Period AUG 1984 UNIT SHUTDOWNS / REDUCTIONS

****
* WASHINGTON NUCLEAR 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-12	07/10/84	F	44.7	A	4	84-075	EB	GENERA	DIESEL GENERATOR REPAIR AND MODIFICATION OUTAGE CONCLUDED.
84-13	08/03/84	F	15.1	A	1		HJ	HTEXCh	PLANT WAS SHUTDOWN TO REPAIR A SEVERE STEAM LEAK FROM A HANDHOLE ON THE MOISTURE SEPARATOR HEATER DRAIN TANK. THE LEAK WAS REPAIRED BY SEAL WELDING THE HANDHOLE TO PREVENT RECURRENCE.
84-14	08/07/84	S	80.9	B	3		EA	XXXXXX	LOSS OF POWER TEST CONDUCTED AS PART OF THE POWER ASCENSION TEST PROGRAM.
84-15	08/12/84	F	66.3	A	1	84-083	HC	HTEXCH	PLANT WAS SHUTDOWN DUE TO HIGH CONDUCTIVITY CAUSED BY A CONDENSER TUBE LEAK. ONE FAILED CONDENSER TUBE WAS FOUND IN THE CENTER OF A TUBE BUNDLE. THE TUBE WAS PLUGGED AND A CHEMISTRY GUIDANCE LETTER ISSUED TO AID IN EARLY CONDUCTIVITY EXCURSION ASSESSMENT. (SEE LER 84.083)
84-16	08/16/84	F	30.1	B	3	84-089	IA	INSTRU	MSL - HI RAD DIV II SURVEILLANCE CAUSED 1/2 SCRAM AND C.R. BLOCK FLOW COMPARATOR SURVEILLANCE CAUSED SECOND 1/2 SCRAM FOR DIV I RESULTING IN REACTOR TRIP. (SEE LER 84-089
84-17	08/17/84	F	5.3	A	1		HH	PIPEXX	COULD NOT ATTAIN SUFFICIENT VACUUM AFTER STARTUP DUE TO 6A AND B HIGH PRESSURE FW HEATER RUPTURED DISCS, DOWNSTREAM OF RV'S, BEING RUPTURED FROM PREVIOUS SCRAM. THE CAUSE WAS DETERMINED AND THE RUPTURED DICS REPLACED.
84-18	08/18/84	F	265.8	A	1		HC	HTEXCH	PLANT WAS SHUTDOWN DUE TO HIGH CONDUCTIVITY CAUSED BY CONDENSER TUBE LEAKS. IT WAS DETERMINED THERE WERE NINE (9) RELATIVELY MINOR TUBE LEAKS AND ONE (1) MAJOR LEAK. THE CAUSE OF LEAKAGE WAS DETERMINED THE LEAKING TUBES WERE PLUGGED AND THE CONDENSER RETURNED TO SERVICE.

****
* SUMMARY *
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WNP-2 CONTINUES TESTING AND APPROACH TO FULL POWER OPERATION.

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 *
****

FACILITY DATA

Report Period AUG 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON

COUNTY.....BENTON

DIST AND DIRECTION FROM NEAREST POPULATION CTR...30 MI NW OF RICHLAND, WASH

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 16, 1984

DATE ELEC ENER 1ST GENER...MAY 27, 1984

DATE COMMERCIAL OPERATE....**********

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....MECHANICAL TOWERS

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. FEIL

LICENSING PROJ MANAGER.....R. AULUCK
DOCKET NUMBER.....50-397

LICENSE & DATE ISSUANCE....NPF-21, APRIL 13, 1984

PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JUNE 6 - JULY 6, 1984 (REPORT NO. 50-397/84-18) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, POWER ASCENSION TEST PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 128 INSPECTOR-HOURS ONSITE BY TWO RESIDENT INSPECTORS.

RESULTS: TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE AREAS OF SURVEILLANCE (CONTROL OF ELECTRICAL JUMPERS) AND MAINTENANCE (TIMELINESS OF CORRECTIVE ACTIONS).

+ INSPECTION ON JULY 8 - AUGUST 3, 1984 (REPORT NO. 50-397/84-19) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, POWER ASCENSION TEST PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 122 INSPECTOR-HOURS ONSITE BY TWO RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

+ INSPECTION ON JULY 31 - AUGUST 3, 1984 AND TELEPHONE CONVERSATIONS ON AUGUST 8-9, 1984 (REPORT NO. 50-397/84-20) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S STARTUP RADIATION PROTECTION PROGRAM, STARTUP RADWASTE PROCESSING AND NUREG-0737 ITEMS II.B.3 AND II.F.1. THE INSPECTION INVOLVED 27 INSPECTOR-HOURS ONSITE BY ONE REGIONAL-BASED INSPECTOR AND 14 HOURS OF INOFFICE EXAMINATION.

****
* WASHINGTON NUCLEAR 2 *
****

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 25-29 AND JULY 16-20, 1984 (REPORT NO. 50-397/84-21) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTIONS OF TECHNICAL SPECIFICATION SURVEILLANCE AND CALIBRATION ACTIVITIES, FOLLOWUP OBSERVATION OF OPERATING CREW PERFORMANCE, BULLETIN FOLLOWUP, FOLLOWUP OF PREVIOUS INSPECTION FINDINGS, OPERATOR TRAINING AND FOLLOWUP OF TMI (NUREG-0737) ITEMS. THE INSPECTION INVOLVED 125 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 4-31, 1984 (REPORT NO. 50-397/84-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 27-31, 1984 (REPORT NO. 50-397/84-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 20-24, 1984 (REPORT NO. 50-397/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

MODE 4

LAST IE SITE INSPECTION DATE: 08/27-31/84+

INSPECTION REPORT NO: 50-397/84-23+

REPORTS FROM LICENSEE

****
* WASHINGTON NUCLEAR 2 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	208,556.0
13. Hours Reactor Critical	450.7	3,565.2	165,089.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	436.8	3,461.5	160,373.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	248,273	1,977,435	86,861,029
18. Gross Elec Ener (MWH)	75,322	605,230	26,328,096
19. Net Elec Ener (MWH)	70,407	566,696	24,635,085
20. Unit Service Factor	58.7	59.1	76.9
21. Unit Avail Factor	58.7	59.1	76.9
22. Unit Cap Factor (MDC Net)	56.7	57.9	72.7*
23. Unit Cap Factor (DER Net)	54.1	55.3	69.3*
24. Unit Forced Outage Rate	41.3	17.2	5.5
25. Forced Outage Hours	307.2	721.0	8,207.4

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

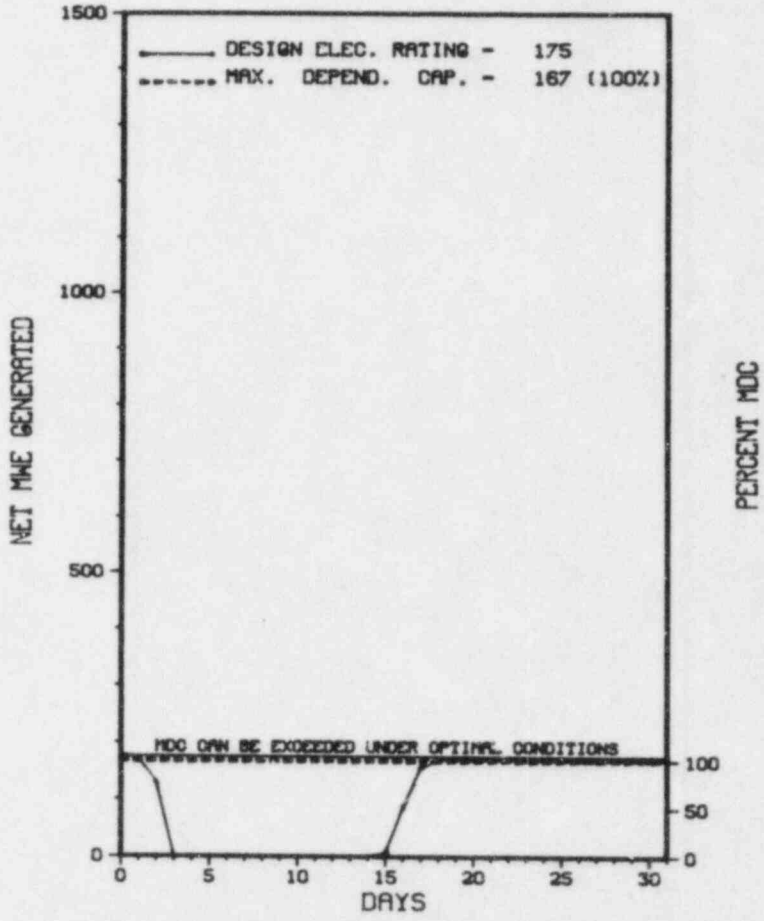
NONE

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

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



AUGUST 1984

* Item calculated with a Weighted Average

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

****
* YANKEE-ROWE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	08/02/84	F	307.2	A	1	84-13	EC	BKR	DUE TO ELECTRICAL FIRE ASSOCIATED WITH BREAKER 448 IN THE BUS ROOM AND THE INOPERABLE 480 VOLT BUS NO. 4-1 THE PLANT WAS REMOVED FROM THE GRID IN ACCORDANCE WITH T. S. 3.8.2.1.

****
* SUMMARY *
****

YANKEE ROWE INCURRED 1 SHUTDOWN IN AUGUST AS DESCRIBED ABOVE.

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

****
* YANKEE-ROWE 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....FRANKLIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 19, 1960

DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960

DATE COMMERCIAL OPERATE....JULY 1, 1961

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DEERFIELD RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC

CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....H. EICHENHOLZ

LICENSING PROJ MANAGER.....P. ERICKSON
DOCKET NUMBER.....50-029

LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963

PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO IMPLEMENTING PROCEDURES FOR THE LICENSEE'S SECURITY PLAN, PROPER COMPENSATORY MEASURES WERE NOT TAKEN WHEN PORTIONS OF THE SECURITY SYSTEM WERE INOPERABLE.
(8406 4)

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: 50-295 OPERATING STATUS
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: GERRI AUSTIN (312) 746-2084
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098
6. Design Electrical Rating (Net MWe): 1040
7. Maximum Dependable Capacity (Gross MWe): 1085
8. Maximum Dependable Capacity (Net MWe): 1040
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	93,527.0
13. Hours Reactor Critical	153.9	4,031.7	66,107.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	79.0	3,796.3	64,264.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	125,843	11,689,908	181,611,391
18. Gross Elec Ener (MWH)	35,560	3,828,354	58,548,233
19. Net Elec Ener (MWH)	23,028	3,664,318	55,567,623
20. Unit Service Factor	10.6	64.8	68.7
21. Unit Avail Factor	10.6	64.8	68.7
22. Unit Cap Factor (MDC Net)	3.0	60.2	57.1
23. Unit Cap Factor (DER Net)	3.0	60.2	57.1
24. Unit Forced Outage Rate	89.4	29.5	14.4
25. Forced Outage Hours	665.0	1,586.2	10,198.2

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

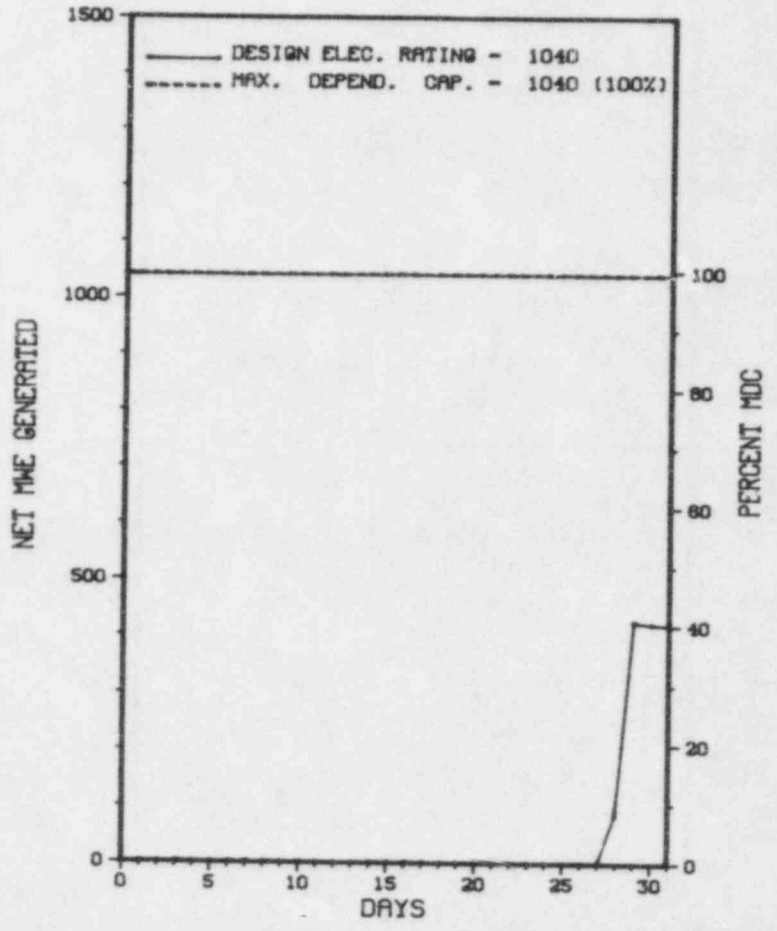
REFUELING - JANUARY 1985

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

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

ZION 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	07/18/84	F	665.0	B	4	84-021			CONTINUED SHUTDOWN FOR THE PERFORMANCE OF THE INTERGRATED LEAK RATE TEST.

*** SUMMARY ***

ZION 1 REMAINED SHUT DOWN UNTIL AUGUST 28 FOR INTEGRATED LEAK TESTING.

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

****
* ZION 1 *
****

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...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

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2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION SUMMARIES RECEIVED FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

10 CFR 30.41 STATES THAT NO LICENSEE SHALL TRANSFER BYPRODUCT MATERIAL EXCEPT AS AUTHORIZED THEREIN. CONTRARY TO THE ABOVE, ON FEBRUARY 9, 1984, THE LICENSEE SHIPPED FOUR AMERICIUM-241 SOURCES TOTALLING ABOUT 0.1 MICROCURIE TO THE BYRON STATION. THE BYRON STATION'S BYPRODUCT MATERIAL LICENSE DOES NOT AUTHORIZE THE POSSESSION OF THESE SOURCES. 10 CFR 30.41 STATES THAT NO LICENSEE SHALL TRANSFER BYPRODUCT MATERIAL EXCEPT AS AUTHORIZED THEREIN. CONTRARY TO THE ABOVE, ON FEBRUARY 9, 1984, THE LICENSEE SHIPPED FOUR AMERICIUM-241 SOURCES TOTALLING ABOUT 0.1 MICROCURIE TO THE BYRON STATION. THE BYRON STATION'S BYPRODUCT MATERIAL LICENSE DOES NOT AUTHORIZE THE POSSESSION OF THESE SOURCES.
(8408 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: SEPTEMBER 7, 1984

INSPECTION REPORT NO: 84-18

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
84-17	06/22/84	07/20/84	FAILURE OF CONTAINMENT NOBLE GAS MONITOR 1RIA-PR40.
84-18	06/21/84	08/06/84	BLOWER FOR 10PR038 FOUND OFF WHILE 1B GAS DECAY TANK RELEASE IN PROGRESS.
84-19	07/06/84	08/03/84	LATE SUBMITTAL OF STARTUP REPORT TO NRC.
84-20	05/14/84	08/15/84	LOSS OF PRESSURE IN GAS DECAY TANK 2B WHILE RELEASING GAS DECAY TANK 1C.
84-21	07/18/84	08/16/84	CONTAINMENT INTEGRATED LEAK RATE TEST FOUND UNACCEPTABLE PER 10 CFR 50 APPENDIX I.

1. Docket: 50-304 O P E R A T I N G S T A T U S
2. Reporting Period: 08/01/84 Outage + On-line Hrs: 744.0
3. Utility Contact: GERRI AUSTIN (312) 746-2084
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098
6. Design Electrical Rating (Net MWe): 1040
7. Maximum Dependable Capacity (Gross MWe): 1085
8. Maximum Dependable Capacity (Net MWe): 1040
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,855.0	87,240.0
13. Hours Reactor Critical	725.7	3,356.2	62,581.2
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	722.9	3,251.0	60,777.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,291,907	9,831,472	174,747,555
18. Gross Elec Ener (MWH)	742,998	3,198,001	55,902,038
19. Net Elec Ener (MWH)	711,288	3,042,637	53,119,582
20. Unit Service Factor	97.2	55.5	69.7
21. Unit Avail Factor	97.2	55.5	69.7
22. Unit Cap Factor (MDC Net)	91.9	50.0	58.5
23. Unit Cap Factor (DER Net)	91.9	50.0	58.5
24. Unit Forced Outage Rate	2.8	18.4	17.7
25. Forced Outage Hours	21.1	734.7	13,111.4

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

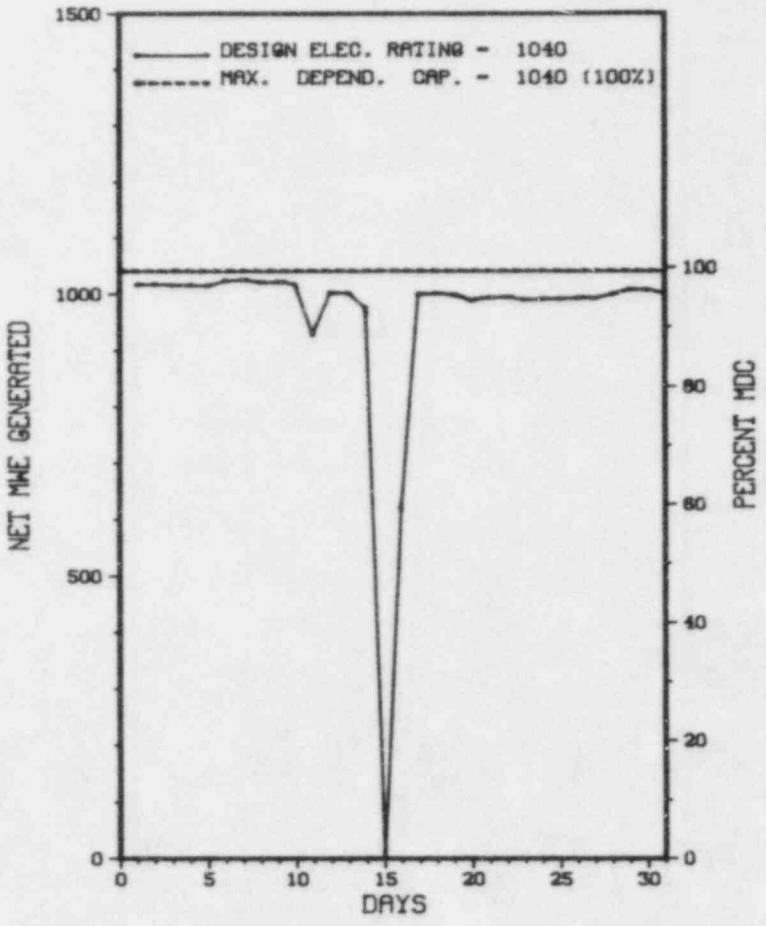
NONE

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

****
* ZION 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



AUGUST 1984

Report Period AUG 1984

UNIT SHUTDOWNS / REDUCTIONS

ZION 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/15/84	F	21.1	H	3	84-020			CONTAINMENT TEMPERATURES EXCEEDED TECH SPEC LIMIT, DUE TO INCREASE INLAKE TEMPERATURES.

SUMMARY

ZION 2 OPERATED ROUTINELY IN AUGUST WITH 1 SHUTDOWN REPORTED.

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

****
* 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

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ZION, ILLINOIS 60099

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: SEPTEMBER 7, 1984

INSPECTION REPORT NO: 84-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-15	07/11/84	08/03/84	2D MSIV HYDRAULIC PUMP BREAKER FAILURE.
84-16	07/09/84	08/06/84	REACTOR TRIP.
84-17	07/04/84	08/03/84	REACTOR TRIP DURING PHYSICS TESTING.
84-18	07/08/84	08/07/84	REACTOR TRIP.
84-19	07/01/84	08/15/84	PRESSURIZER PRESSURE CHANNEL FAILURES.
84-20	08/14/84	08/29/84	CONTAINMENT TEMPERATURE LIMIT EXCEEDED.
84-21	06/19/84	08/29/84	LOSS OF SOURCE RANGE DETECTOR INDICATION WHILE IN CSD.

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SECTION 3

APPENDIX

STATUS OF SPENT FUEL STORAGE CAPABILITY

PRESSURIZED WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTh. CAPACITY
ARKANSAS 1	177	988	316	672		10-84	1998
ARKANSAS 2	177	988	168	820		05-85	2003
BEAVER VALLEY 1	157	833	52	781		10-84	1995
CALVERT CLIFFS 1	217	1830(c)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					10-85	1991
COOK 1	193	2050(c)	553(c)	1497(c)		N/S	1994
COOK 2	193					N/S	
CRYSTAL RIVER 3	177	1163	171	992		N/S	1997
DAVIS-BESSE 1	177	735	140	595		09-84	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	01-85	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	595	340	255		N/S	1992
HADDAM NECK	157	1168	493	675		08-84	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	332	150	916	N/S	1986
INDIAN POINT 3	193	837	140	697		N/S	1993
KEWAUNEE	121	990	268	722(m)		N/S	1991
MAINE YANKEE	217	953	577	376	1678	N/S	1987
MCGUIRE 1	193	500	91	409(n)	1781	N/S	1990
MCGUIRE 2						01-85	
MILLSTONE 2	217	667	376	291		N/S	1987
NORTH ANNA 1	157	966(c)	168(c)	798		N/S	1991
NORTH ANNA 2	157					08-84	1990
OCONEE 1	177	1312(1)	1086	226(1)(n)		10-84	1991
OCONEE 2	177					03-85	
OCONEE 3	177	825	104	721		09-85	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	484(c)	1078(c)		N/S	1995
POINT BEACH 2	121					09-84	
PRAIRIE ISLAND 1	121	1017(c)	561(c)	456(c)(m)	720	N/S	1988
PRAIRIE ISLAND 2	121					08-84	
RANCHO SECO 1	177	579	280	299		01-85	1987
ROBINSON 2	157	276	152	124(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		N/S	1996
SALEM 2	193	1170	72	1098		N/S	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SAN ONOFRE 2	217	800	0	800		11-84	
SAN ONOFRE 3	217	800	0	800		N/S	
SEQUOYAH 1	193	800	65	735		N/S	1993
SEQUOYAH 2(d)	193	800	65	735		09-84	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2						10-84	
SUMMER 1	157	682	0	682	1276	09-84	
SURRY 1	157	1044(c)	556(c)	484(c)		N/S	1987
SURRY 2	157					09-84	

STATUS OF SPENT FUEL STORAGE CAPABILITY

PRESSURIZED WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
THREE MILE ISLAND 1	177	752	208	544		N/S	1986
THREE MILE ISLAND 2	177	442	0	442		N/S	1986
TROJAN	193	651	312	339		N/S	1990
TURKEY POINT 3	157	621	445	175(m)		N/S	1987
TURKEY POINT 4	157	621	430	191		N/S	1988
YANKEE-ROWE 1	76	391	250	141	471	N/S	1988
ZION 1	193	2112(c)	863(c)	1249(c)		12-84	1995
ZION 2	193					09-85	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)	
NFS(i)	250 MTU	170 MTU	80 MTU		

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
(b) Some of these dates have been adjusted by staff assumptions.
(c) This is the total for both units.
(d) Plant not in commercial operation.
(e) Some spent fuel stored at Brunswick.
(f) Authorized a total 2772 BWR and 1232 PWRassemblies for both pools.
(g) Robinson 2 assemblies being shipped to Brunswick for storage.
(h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
(i) No longer accepting spent fuel.
(j) Racked for 700 MTU.
(k) Reserved.
(l) This is the station total.
(m) Installed capacity is less than that authorized.
(n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

STATUS OF SPENT FUEL STORAGE CAPABILITY

BOILING WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	193	172	21	269	N/S	1986
BROWNS FERRY 1	764	3471	1068	2403		03-85	1985
BROWNS FERRY 2	764	3471	889	61(m)	2582	09-84	1985
BROWNS FERRY 3	764	3471	1768	150(m)	1703	N/S	1985
BRUNSWICK 1	560	(f)	160PWR+656BWR	2116		N/S	1986
BRUNSWICK 2	560		144PWR+564BWR	2208		N/S	1986
COOPER STATION	548	2366	848	1518		09-84	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	09-84	1985
DRESDEN 3	724					N/S	
DUANE ARNOLD	368	2050	576	1474		N/S	1998
FITZPATRICK	560	2244	816	1428		N/S	1991
HATCH 1	560	3021	0	3021		10-84	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		11-84	1990
LASALLE 1							
LASALLE 2							
MILLSTONE 1	580	2184	1281	903		N/S	1991
MONTICELLO	484	2237	1137	1100		N/S	1991
NINE MILE POINT 1	532	1984	1177	807	1788	N/S	1990
OYSTER CREEK 1	560	1800	1375	425	1225	N/S	1987
PEACH BOTTOM 2	764	2816	1361	1455		N/S	1990
PEACH BOTTOM 3	764	2816	1212	1604		N/S	1991

BOILING WATER REACTORS	STATUS OF SPENT FUEL STORAGE CAPABILITY						
FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
PILGRIM 1	580	2320	1708	62(m)		N/S	1990
QUAD CITIES 1	724	3657	1730	1927		N/S	2003
QUAD CITIES 2	724	3897	412	3485		N/S	2003
SUSQUEHANNA 1	764	2840	0	2840		N/S	1997
SUSQUEHANNA 2							
VERMONT YANKEE 1	368	2000	1174	826		N/S	1992
WASHINGTON NUCLEAR*							

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)	
NFS(i)	250 MTU	170 MTU	80 MTU		

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
(b) Some of these dates have been adjusted by staff assumptions.
(c) This is the total for both units.
(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 *	10.09	08/01/74	ARKANSAS 1
* OPERATING *	21.73	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	7.97	09/12/76	BROWNS FERRY 3
* PRODUCING *	9.66	01/03/75	CALVERT CLIFFS 1
* UNITS *	6.45	03/22/78	COOK 2
**********	7.01	08/28/77	DAVIS-BESSE 1
	10.29	05/19/74	DUANE ARNOLD
	9.58	02/01/75	FITZPATRICK
	14.75	12/02/69	GINNA
	5.94	09/22/78	HATCH 2
	10.40	04/08/74	KEWAUNEE
	.37	04/20/84	LASALLE 2
	1.28	05/23/83	MCGUIRE 2
	13.49	03/05/71	MONTICELLO
	4.02	08/25/80	NORTH ANNA 2
	10.00	09/01/74	OCONEE 3
	10.54	02/18/74	PEACH BOTTOM 2
	13.82	11/06/70	POINT BEACH 1
	9.70	12/21/74	PRAIRIE ISLAND 2
	9.89	10/13/74	RANCHO SECO 1
	3.25	06/03/81	SALEM 2
	.94	09/25/83	SAN ONOFRE 3
	8.32	05/07/76	ST LUCIE 1
	12.16	07/04/72	SURRY 1
	.16	07/03/84	SUSQUEHANNA 2
	11.83	11/02/72	TURKEY POINT 3
	.27	05/27/84	WASHINGTON NUCLEAR 2
	10.68	12/26/73	ZION 2

YEARS	1ST ELEC GENERATE	UNIT
-----	--------	----
5.68	12/26/78	ARKANSAS 2
10.88	10/15/73	BROWNS FERRY 1
7.74	12/04/76	BRUNSWICK 1
7.73	12/07/76	CALVERT CLIFFS 2
10.31	05/10/74	COOPER STATION
14.39	04/13/70	DRESDEN 2
7.04	08/18/77	FARLEY 1
11.02	08/25/73	FORT CALHOUN 1
17.07	08/07/67	HADDAM NECK
11.18	06/26/73	INDIAN POINT 2
16.35	04/26/68	LA CROSSE
11.81	11/08/72	MAINE YANKEE
13.76	11/29/70	MILLSTONE 1
14.81	11/09/69	NINE MILE POINT 1
11.32	05/06/73	OCONEE 1
14.94	09/23/69	OYSTER CREEK 1
10.00	09/01/74	PEACH BOTTOM 3
12.08	08/02/72	POINT BEACH 2
12.39	04/12/72	QUAD CITIES 1
13.93	09/26/70	ROBINSON 2
17.13	07/16/67	SAN ONOFRE 1
4.11	07/22/80	SEQUOYAH 1
1.22	06/13/83	ST LUCIE 2
11.48	03/10/73	SURRY 2
10.20	06/19/74	THREE MILE ISLAND 1
11.20	06/21/73	TURKEY POINT 4
23.81	11/10/60	YANKEE-ROWE 1

YEARS	1ST ELEC GENERATE	UNIT
-----	--------	----
8.22	06/14/76	BEAVER VALLEY 1
10.01	08/28/74	BROWNS FERRY 2
9.34	04/29/75	BRUNSWICK 2
9.56	02/10/75	COOK 1
7.59	01/30/77	CRYSTAL RIVER 3
13.11	07/22/71	DRESDEN 3
3.27	05/25/81	FARLEY 2
7.72	12/11/76	FORT ST VRAIN
9.81	11/11/74	HATCH 1
8.35	04/27/76	INDIAN POINT 3
1.99	09/04/82	LASALLE 1
3.17	06/30/81	MCGUIRE 1
8.81	11/09/75	MILLSTONE 2
6.38	04/17/78	NORTH ANNA 1
10.74	12/05/73	OCONEE 2
12.67	12/31/71	PALISADES
12.12	07/19/72	PILGRIM 1
10.74	12/04/73	PRAIRIE ISLAND 1
12.28	05/23/72	QUAD CITIES 2
7.69	12/25/76	SALEM 1
1.95	09/20/82	SAN ONOFRE 2
2.69	12/23/81	SEQUOYAH 2
1.79	11/16/82	SUMMER 1
1.79	11/16/82	SUSQUEHANNA 1
8.69	12/23/75	TROJAN
11.95	09/20/72	VERMONT YANKEE 1
11.18	06/28/73	ZION 1

TOTAL 761.82 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

YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
-----	--------	--------	----
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.

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* RESEARCH *
* REACTORS *
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NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
	SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

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* RESEARCH *
* REACTORS *
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NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

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* RESEARCH *
* REACTORS *
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NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

****
* EXPERIMENTAL AND TEST REACTORS *
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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

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* CRITICAL EXPERIMENT FACILITIES *
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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: 1984-461-722:341

NRC FORM 335 (6-83) U.S. NUCLEAR REGULATORY COMMISSION

BIBLIOGRAPHIC DATA SHEET

1. REPORT NUMBER (Assigned by TIDC and Vol. No. if any)
NUREG-0020 Volume 8 Number 9

2. Leave blank

3. TITLE AND SUBTITLE
Licensed Operating Reactors
Status Summary Report

4. RECIPIENT'S ACCESSION NUMBER

5. DATE REPORT COMPLETED
MONTH: OCTOBER YEAR: 1984

6. AUTHOR(S)

7. DATE REPORT ISSUED
MONTH: OCTOBER 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)
AUGUST 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
$

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