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August 1988

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 07-31-88

UNITED STATES NUCLEAR REGULATORY COMMISSION

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Manuscript Completed: September 1988
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OFFICE OF ADMINISTRATION AND RESOURCES MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

STATEMENT OF PURPOSE

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

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

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

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

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G L O S S A R Y

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

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

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

NOTE:

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

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SECTION 1

CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS

LICENSED POWER REACTORS			
	106	IN COMMERCIAL OPERATION	92,499 CAPACITY MWe (Net)
(a)	2	IN POWER ASCENSION	2,370
(b)	108	LICENSED TO OPERATE	94,869 TOTAL
(c)	1	LICENSED FOR FUEL LOADING AND LOW POWER TESTING	

Based upon maximum dependable capacity; design elec. rating used if MDC not determined

	MDC	NET	DER
(a) BRAIDWOOD 2		1120	
SOUTH TEXAS 1		1250	

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

1. DRESDEN 1.....200
2. HUMBOLDT BAY.....65
3. TMI 2.....906
4. LACROSSE.....50

(c) SHOREHAM — DATE 07/03/85 — DER 820

POWER GENERATION		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
1.	GROSS ELECTRICAL (MWHE)	50,900,833	45,489,135	317,889,679
2.	NET ELECTRICAL (MWHE)	48,358,042	43,196,547	302,066,026
3.	AVG. UNIT SERVICE FACTOR (%)	78.1	72.1	70.3
4.	AVG. UNIT AVAILABILITY FACTOR (%)	78.1	72.1	70.3
5.	AVG. UNIT CAPACITY FACTOR (MDC) (%)	71.9	67.3	66.1
6.	AVG. UNIT CAPACITY FACTOR (DER) (%)	70.2	65.6	64.5
7.	FORCED OUTAGE RATE (%)	9.0	8.6	10.6

ACTUAL VS. POTENTIAL ENERGY PRODUCTION				% OF POTENTIAL PRODUCTION
1.	ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	48,358,042	NET	71.1
2.	ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	8,669,560	MWHe	12.7
3.	ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	6,803,054	MWHe	10.0
4.	ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	4,218,376	MWHe	6.2
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)		68,049,032	MWHe	100.0% TOTAL
5.	ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES		MWHe	
6.	ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS	.....	MWHe	3 UNIT(S) WITH NRC RESTRICTION

OUTAGE DATA		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
1.	FORCED OUTAGES DURING REPORT PERIOD	43	6,996.8	8.9	6,803,054
2.	SCHEDULED OUTAGES DURING REPORT PERIOD	27	10,307.6	13.2	8,669,560
	TOTAL	70	17,303.6	22.1	15,472,614

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

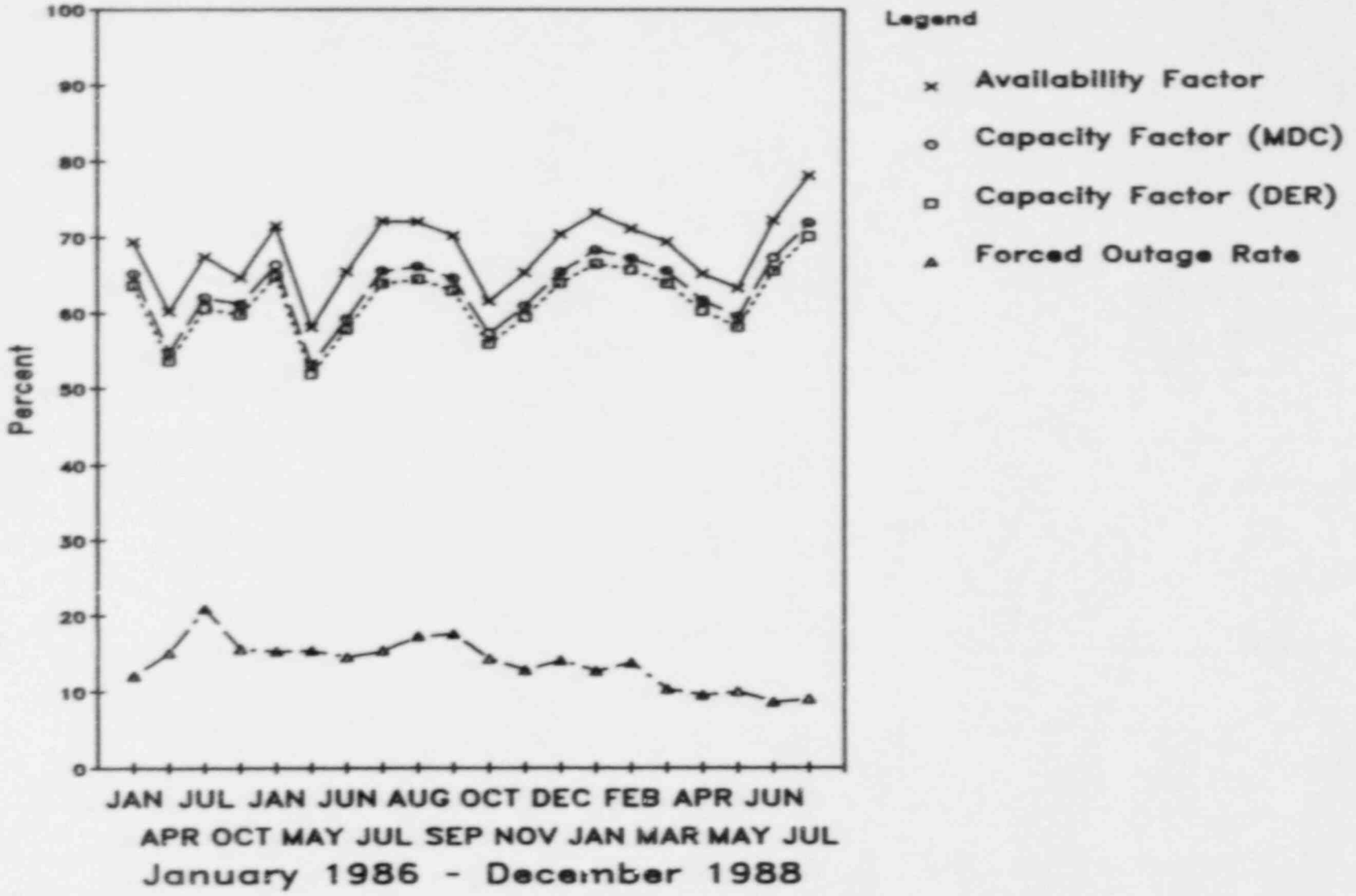
REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
	A - Equipment Failure	30	3,757.1
	B - Maintenance or Test	10	602.8
	C - Refueling	16	8,367.1
	D - Regulatory Restriction	0	0.0
	E - Operator Training & License Examination	0	0.0
	F - Administrative	4	2,976.0
	G - Operational Error	1	19.0
	H - Other	9	1,581.6
	TOTAL	70	17,303.6

DERATED UNITS	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
BYRON 1	1105	1097	Self-imposed
BYRON 2	1105	1055	Self-imposed
COOK 1	1020	920	Self-imposed
FORT ST VRAIN	330	271	NRC Restriction
LIMERICK 1	1055	915	Self-imposed
PEACH BOTTOM 2	1051	0	NRC Restriction
PEACH BOTTOM 3	1035	0	NRC Restriction
SAN ONOFRE 1	436	390	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
	ARKANSAS 2	A	BIG ROCK POINT 1	A	BROWNS FERRY 1	F	BROWNS FERRY 2	F
	BROWNS FERRY 3	F	BRUNSWICK 1	A	BRUNSWICK 2	B	CATAWBA 2	A
	COOK 2	C	DAVIS-BESSE 1	C	DIABLO CANYON 1	C	DIABLO CANYON 2	A
	FERMI 2	A	FORT ST VRAIN	H	INDIAN POINT 2	A	LASALLE 1	B,C
	MCGUIRE 2	C	NINE MILE POINT 1	C	OCONEE 2	A	OYSTER CREEK 1	A
	PALO VERDE 1	A	PEACH BOTTOM 2	C	PEACH BOTTOM 3	C	PILGRIM 1	C
	QUAD CITIES 2	A	SAN ONOFRE 1	H	SAN ONOFRE 3	C	SEQUOYAH 1	F
	ST LUCIE 1	C	SURRY 1	C	SUSQUEHANNA 2	A	THREE MILE ISLAND 1	C
	TROJAN	C	VERMONT YANKEE 1	B	ZION 1	H		

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of July 1988



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.

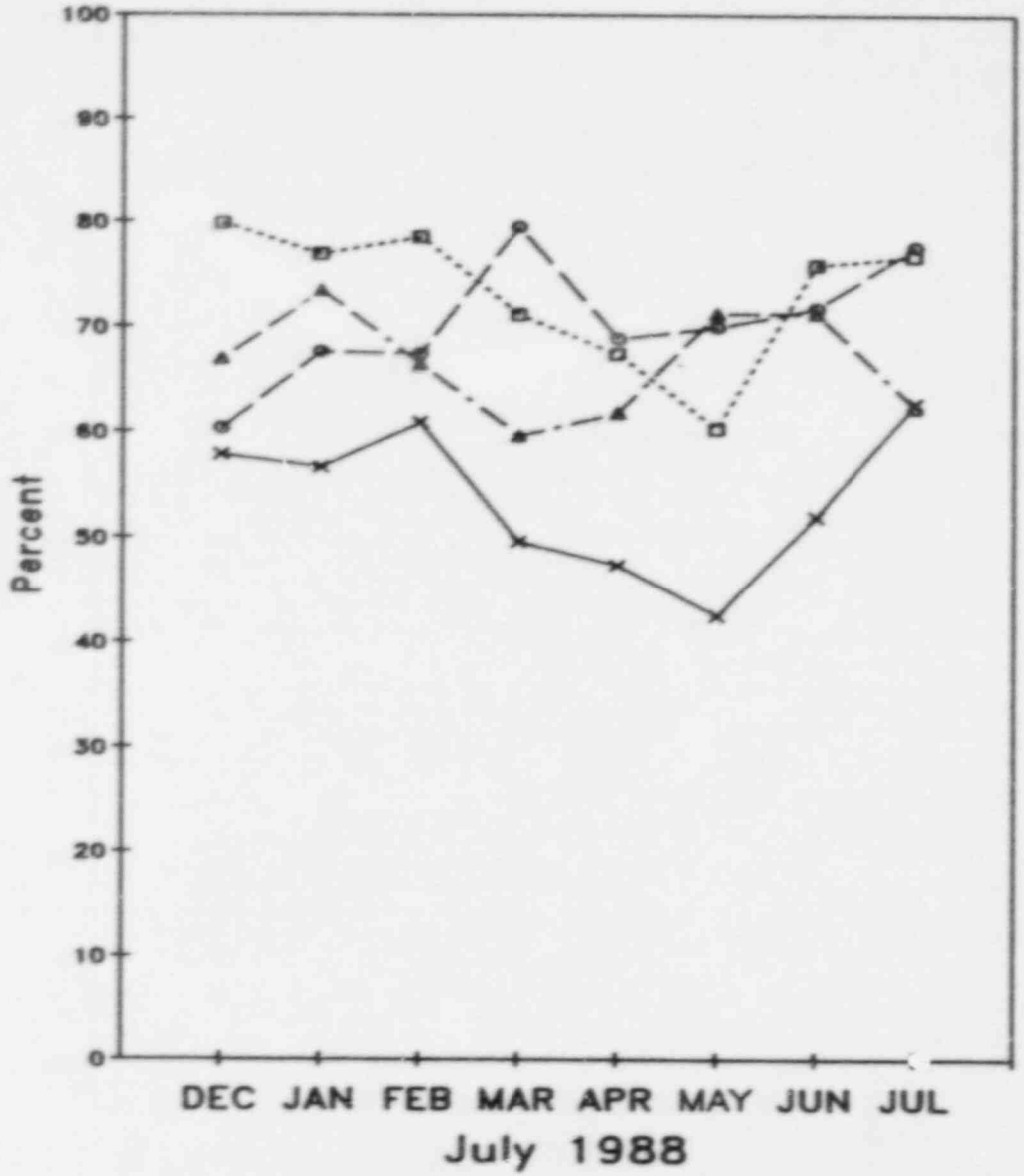
THE AVERAGE POWER LEVEL CHART

IS NOT AVAILABLE THIS REPORT

PERIOD DUE TO SOFTWARE PROBLEMS

Vendor Average Capacity Factors

07/31/88



Legend

- × General Electric
- ○ Westinghouse
- □ Combustion Engineering
- △ Babcock & Wilcox

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

AVERAGE CAPACITY FACTORS BY VENDORS

GENERAL ELECTRIC

CFMDC		CFMDC		CFMDC		CFMDC	
0.0	BROWNS FERRY 1	0.0	BROWNS FERRY 2	0.0	BROWNS FERRY 3	60.5	BRUNSWICK 1
65.0	BRUNSWICK 2	84.1	CLINTON 1	87.8	COOPER STATION	71.1	DRESDEN 2
76.3	DRESDEN 3	85.1	DUANE ARNOLD	64.9	FERMI 2	95.4	FITZPATRICK
100.7	GRAND GULF 1	95.8	HATCH 1	96.9	HATCH 2	95.6	HOPE CREEK 1
28.8	LASALLE 1	75.6	LASALLE 2	81.4	LIMERICK 1	98.9	MILLSTONE 1
90.9	MONTICELLO	0.0	NINE MILE POINT 1	77.7	NINE MILE POINT 2	25.8	OYSTER CREEK 1
0.0	PEACH BOTTOM 2	0.0	PEACH BOTTOM 3	90.9	PERRY 1	0.0	PILGRIM 1
74.6	QUAD CITIES 1	49.7	QUAD CITIES 2	98.3	RIVER BEND 1	98.4	SUSQUEHANNA 1
81.4	SUSQUEHANNA 2	64.2	VERMONT YANKEE 1	93.9	WASHINGTON NUCLEAR 2		

BABCOCK & WILCOX

CFMDC		CFMDC		CFMDC		CFMDC	
82.4	ARKANSAS 1	97.4	CRYSTAL RIVER 3	0.0	DAVIS-BESSE 1	90.9	OCONEE 1
66.6	OCONEE 2	98.1	OCONEE 3	59.9	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

COMBUSTION ENGINEERING

CFMDC		CFMDC		CFMDC		CFMDC	
78.0	ARKANSAS 2	73.5	CALVERT CLIFFS 1	102.0	CALVERT CLIFFS 2	86.9	FORT CALHOUN 1
96.5	MAINE YANKEE	100.2	MILLSTONE 2	98.8	PALISADES	97.4	PALO VERDE 1
101.2	PALO VERDE 2	100.5	PALO VERDE 3	100.3	SAN ONOFRE 2	0.0	SAN ONOFRE 3
29.7	ST LUCIE 1	100.5	ST LUCIE 2	90.3	WATERFORD 3		

WESTINGHOUSE

CFMDC		CFMDC		CFMDC		CFMDC	
97.2	BEAVER VALLEY 1	90.6	BEAVER VALLEY 2	95.2	BRAIDWOOD 1	89.3	BYRON 1
78.8	BYRON 2	101.8	CALLAWAY 1	97.2	CATAWBA 1	73.4	CATAWBA 2
87.9	COOK 1	0.0	COOK 2	32.4	DIABLO CANYON 1	45.7	DIABLO CANYON 2
100.2	FARLEY 1	100.0	FARLEY 2	94.0	GINNA	97.3	HADDAM NECK
81.4	HARRIS 1	39.9	INDIAN POINT 2	96.8	INDIAN POINT 3	102.1	KEWAUNEE
95.1	MCGUIRE 1	5.0	MCGUIRE 2	98.9	MILLSTONE 3	97.2	NORTH ANNA 1
98.9	NORTH ANNA 2	101.6	POINT BEACH 1	101.7	POINT BEACH 2	84.0	PRAIRIE ISLAND 1
99.3	PRAIRIE ISLAND 2	104.1	ROBINSON 2	97.9	SALEM 1	90.1	SALEM 2
0.0	SAN ONOFRE 1	0.0	SEQUOYAH 1	76.7	SEQUOYAH 2	89.8	SUMMER 1
38.0	SURRY 1	92.9	SURRY 2	58.9	TROJAN	99.8	TURKEY POINT 3
99.2	TURKEY POINT 4	85.3	VOGTLE 1	99.7	WOLF CREEK 1	98.2	YANKEE-ROWE 1
64.9	ZION 1	98.6	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	14,389,908	22,845,847	7,962,719	3,104,991	33,913,557
MDC NET	30,858	40,583	13,955	6,704	61,242
CFMDC	62.7	77.6	76.7	62.3	75.7

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
RIVER BEND
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

ERRATA

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

NONE

NONE

NONE

NONE

SECTION 2

OPERATING POWER REACTORS

1. Docket: 50-313 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. N. GOBELL (501) 964-3251
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1003 X 0.9 = 903
6. Design Electrical Rating (Net MWe): 850
7. Maximum Dependable Capacity (Gross MWe): 883
8. Maximum Dependable Capacity (Net MWe): 836
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	119,370.0
13. Hours Reactor Critical	744.0	5,079.2	84,134.5
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	744.0	5,073.6	82,502.5
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	1,628,430	10,568,811	189,403,818
18. Gross Elec Ener (MWH)	540,335	3,575,610	62,842,740
19. Net Elec Ener (MWH)	512,751	3,391,793	59,781,170
20. Unit Service Factor	100.0	99.3	69.1
21. Unit Avail Factor	100.0	99.3	69.8
22. Unit Cap Factor (MDC Net)	82.4	79.4	59.9
23. Unit Cap Factor (DER Net)	81.1	78.1	58.9
24. Unit Forced Outage Rate	.0	.7	13.1
25. Forced Outage Hours	.0	37.4	12,435.0

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

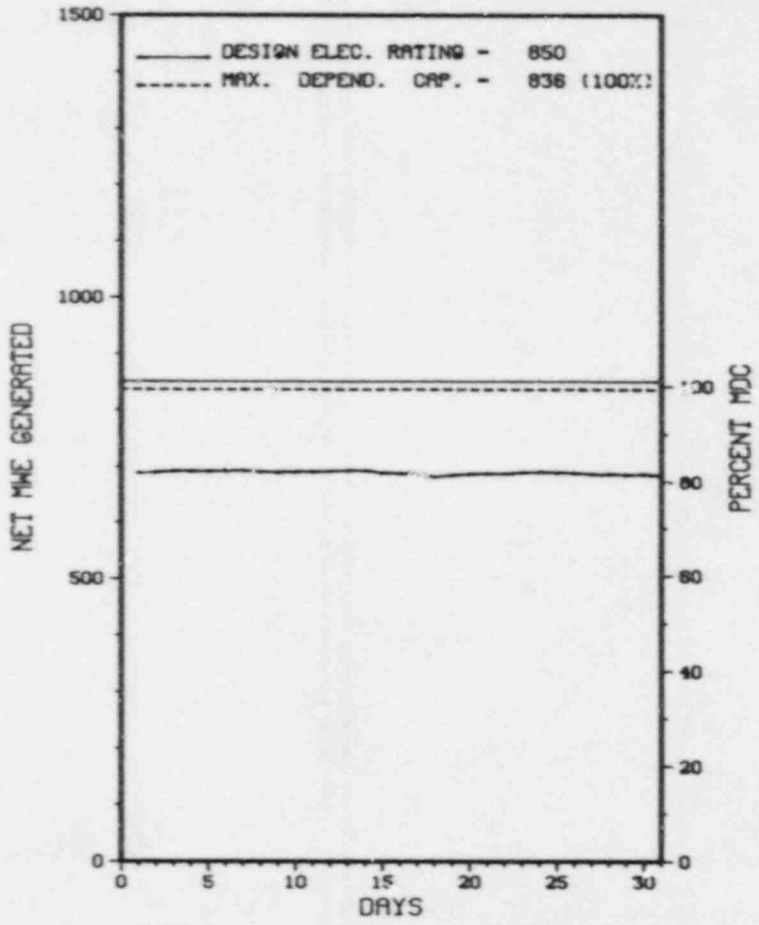
REFUELING - 09/02/88 - 71 DAY DURATION.

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

ARKANSAS 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 1

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

NONE

SUMMARY

ARKANSAS ONE OPERATED THE ENTIRE MONTH OF JULY AT 85% POWER FOR FUEL CONSERVATION AND INCURRED NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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 JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1974

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

DATE COMMERCIAL OPERATE....DECEMBER 19, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....B. JOHNSON

LICENSING PROJ MANAGER.....C. HARBUCK
DOCKET NUMBER.....50-313

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 31-JUNE 10 (88-17) THIS SPECIAL, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF REVIEW OF THE ADEQUACY OF EMERGENCY OPERATING PROCEDURES FOR UNIT 1. NO INSPECTION OF UNIT 2 WAS CONDUCTED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALTHOUGH NUMEROUS TECHNICAL AND HUMAN FACTOR DEFICIENCIES WERE IDENTIFIED, THE EMERGENCY OPERATING PROCEDURES WERE FOUND TO BE ADEQUATE FOR CONTINUED OPERATION OF THE FACILITY. THE LICENSEE COMMITTED TO REVIEW THE DEFICIEN-CIES AND TAKE PROMPT CORRECTIVE ACTION TO RESOLVE THEM.

INSPECTION CONDUCTED MAY 23-27, 1988 (88-18) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION AC-TIVITIES ASSOCIATED WITH RADIOACTIVE MATERIAL TRANSPORTATION, LOW LEVEL SOLID RADIOACTIVE WASTE MANAGEMENT, AND GASEOUS AND LIQUID RADIOACTIVE WASTE RELEASES. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 1-30, 1988 (88-20) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND TEMPORARY INSTRUCTIONS. WITHIN THE FOUR AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 20-24, 1988 (88-21) ROUTINE, UNANNOUNCED INSPECTION OF LICENSED OPERATOR TRAINING, NON-LICENSED STAFF TRAINING, QUALITY CONTROL TRAINING PROGRAM, AND PLANT TOURS. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL TLDV IN ACCORDANCE WITH SEC. 1.6 OF PSP. FAILURE TO CONTROL TLDV IN ACCORDANCE WITH SEC. 1.6 OF PSP. (8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ONE REACTOR COOLANT PUMP OUT OF SERVICE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 30, 1988

INSPECTION REPORT NO: 50-313/88-20

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

OPERATING STATUS

1. Docket: 50-368
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: D. F. HARRISON (501) 964-3743
4. Licensed Thermal Power (MWt): 2815
5. Nameplate Rating (Gross MWe): 943
6. Design Electrical Rating (Net MWe): 912
7. Maximum Dependable Capacity (Gross MWe): 897
8. Maximum Dependable Capacity (Net MWe): 858
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	73,199.0
13. Hours Reactor Critical	651.6	2,735.6	52,503.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,430.1
15. Hrs Generator On-Line	647.3	2,588.3	50,981.7
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	1,621,050	6,782,948	131,640,505
18. Gross Elec Ener (MWH)	525,765	2,230,195	43,229,606
19. Net Elec Ener (MWH)	498,106	2,105,095	41,124,592
20. Unit Service Factor	87.0	50.6	69.6
21. Unit Avail Factor	87.0	50.6	69.8
22. Unit Cap Factor (MDC Net)	78.0	48.0	65.5
23. Unit Cap Factor (DER Net)	73.4	45.2	61.6
24. Unit Forced Outage Rate	13.0	4.7	14.2
25. Forced Outage Hours	96.7	127.4	8,463.4

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

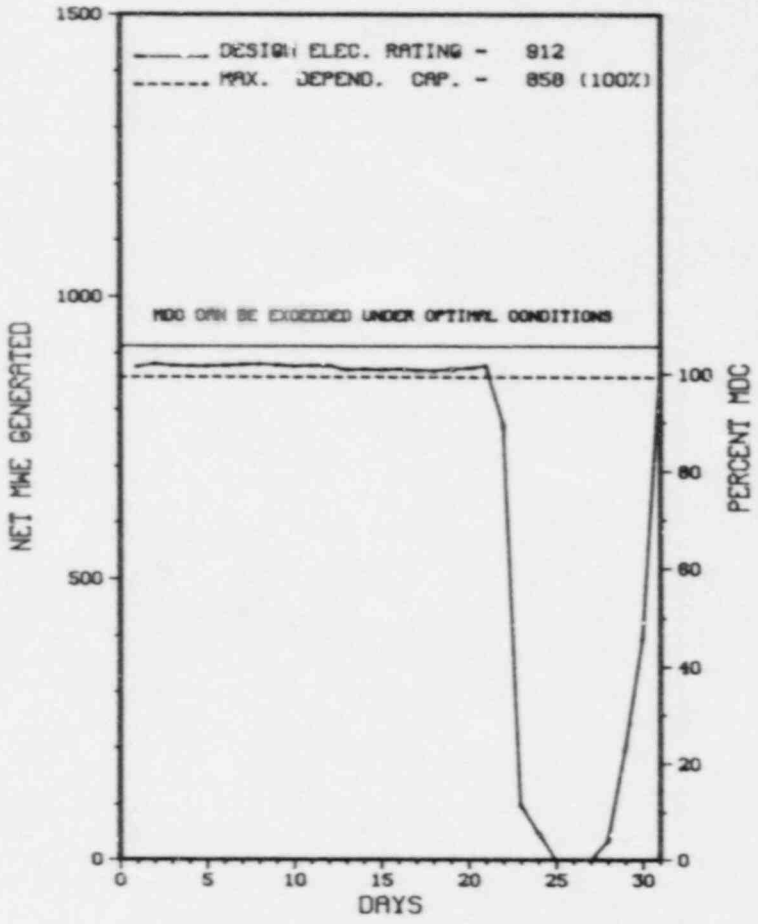
NONE

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

ARKANSAS 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-03	07/22/88	F	0.0	A	5		AB	PZR	POWER WAS REDUCED TO 20% FOR REPAIR OF FLANGE LEAK AT PRESSURIZER SAFETY VALVE.
88-04	07/24/88	F	96.7	A	1		AB	PZR	UNIT SHUTDOWN TO REPAIR FLANGE LEAK AT PRESSURIZER SAFETY VALVE.
88-05	07/30/88	F	0.0	A	5		TJ	PS	POWER REDUCED FOR WORK ON STATOR WATER COOLING INLET PRESSURE SWITCH.

SUMMARY

ARKANSAS 2 INCURRED ONE FORCED OUTAGE AND 2 FORCED LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 5, 1978

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

DATE COMMERCIAL OPERATE....MARCH 26, 1980

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. JOHNSON

LICENSING PROJ MANAGER.....C. HARBUCK
DOCKET NUMBER.....50-368

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED FEB 29 - MAR 4, 21-25, APR 4-8, AND JUNE 6-11 (88-[illegible]) ROUTINE, ANNOUNCED INSPECTION OF FOLLOWUP TO ISSUES IDENTIFIED IN NRC IN-SPECTION REPORT 50-313/87-23 AND 50-368/87-23 AND THE LICENSEE'S RESPONSE TO NRC GENERIC LETTER 83-28. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS, IN ONE POTENTIAL VIOLATION WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 23-27, 1988 (88-18) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION ACTIVITIES ASSOCIATED WITH RADIOACTIVE MATERIAL TRANSPORTATION, LOW LEVEL SOLID RADIOACTIVE WASTE MANAGEMENT, AND GASEOUS AND LIQUID RADIOACTIVE WASTE RELEASES. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. PROFICIENCY OF PERSONNEL IN USING THEM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 1-30, 1988 (88-20) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, TEMPORARY INSTRUCTIONS. WITHIN THE FOUR AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED JUNE 20-24, 1988 (88-21) ROUTINE, UNANNOUNCED INSPECTION OF LICENSED OPERATOR TRAINING, NON-LICENSED STAFF TRAINING, QUALITY CONTROL TRAINING PROGRAM, AND PLANT TOURS. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ONE REACTOR COOLANT PUMP OUT OF SERVICE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: JUNE 30, 1988

INSPECTION REPORT NO: 50-368/88-20

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 102[illegible] X 0.9 = 923

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	107,399.0
13. Hours Reactor Critical	744.0	3,606.0	62,794.1
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	744.0	3,539.2	61,193.5
16. Unit Reserve Shtdwn Hrs	.0	.0	2.2
17. Gross Therm Ener (MWH)	1,941,312	9,010,080	145,927,390
18. Gross Elec Ener (MWH)	622,450	2,926,059	46,791,819
19. Net Elec Ener (MWH)	586,000	2,741,707	43,677,310
20. Unit Service Factor	100.0	69.2	59.3
21. Unit Avail Factor	100.0	69.2	59.3
22. Unit Cap Factor (MDC Net)	97.2	66.2	53.4
23. Unit Cap Factor (DER Net)	94.3	64.2	51.8
24. Unit Forced Outage Rate	.0	2.9	18.9
25. Forced Outage Hours	.0	105.9	19,147.3

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

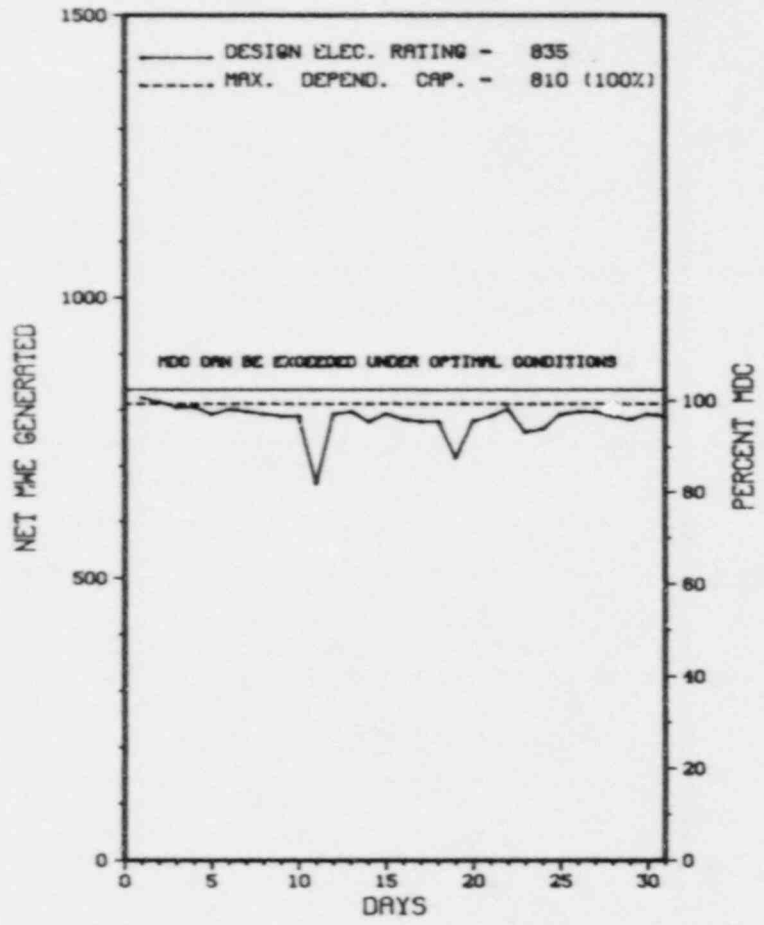
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	07/18/88	F	0.0	A	5		HF	PUMPXX	OUTPUT REDUCED TO 95% TO REPAIR A SEAL ON THE 'A' COOLING TOWER PUMP.
19	07/23/88	F	0.0	A	5		HF	PUMPXX	OUTPUT REDUCED TO 90% TO REPAIR A SEAL ON THE 'A' COOLING TOWER PUMP.

SUMMARY

BEAVER VALLEY 1 INCURRED TWO POWER REDUCTIONS IN JULY FOR REASONS STATED 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. BEALL

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

.. Docket: 50-412 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 923

6. Design Electrical Rating (Net MWe): 836

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 833

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	6,182.0
13. Hours Reactor Critical	725.1	4,672.1	5,637.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	719.9	4,638.0	5,587.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,881,079	12,012,947	14,398,584
18. Gross Elec Ener (MWH)	594,000	3,872,900	4,655,100
19. Net Elec Ener (MWH)	561,406	3,661,567	4,399,671
20. Unit Service Factor	96.8	90.7	90.4
21. Unit Avail Factor	96.8	90.7	90.4
22. Unit Cap Factor (MDC Net)	90.6	86.0	85.4
23. Unit Cap Factor (DER Net)	90.3	85.7	85.1
24. Unit Forced Outage Rate	3.2	2.6	4.2
25. Forced Outage Hours	24.1	126.0	247.2

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

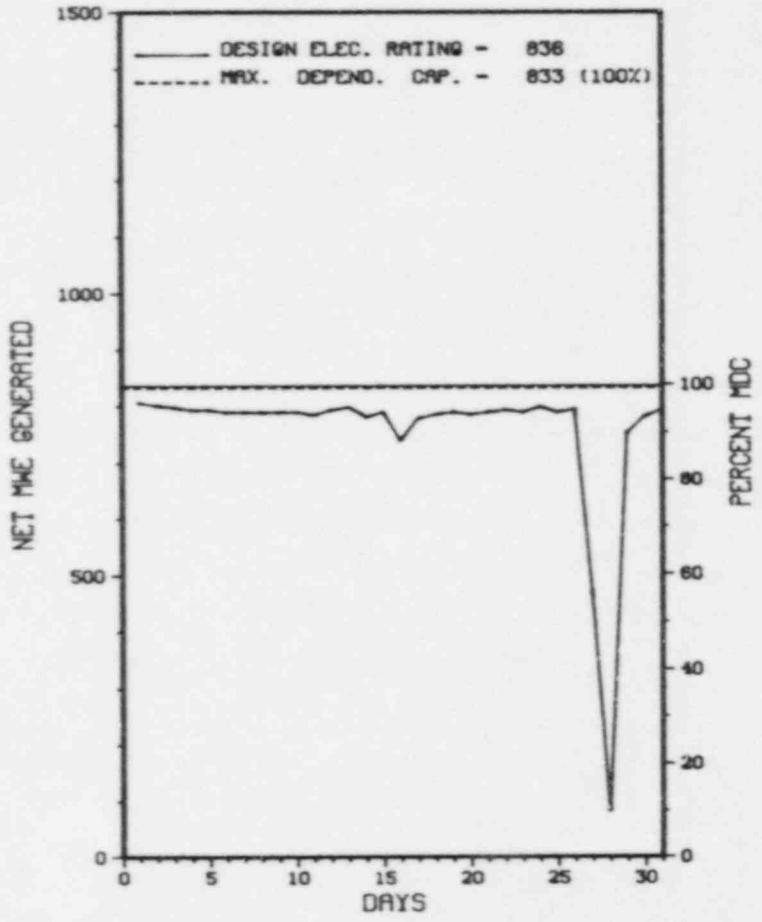
NONE

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

****
* BEAVER VALLEY 2 *
****

AVERAGE DAILY ER LEVEL (MWe) PLOT

BEAVER VALLEY 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	07/16/88	F	0.0	A	5		HC	HTEXCH	UNIT'S OUTPUT WAS REDUCED TO 85% TO IMPROVE CONDENSER VACUUM.
12	07/27/88	F	24.1	A	3	2-88-009	RB	CONROD	THE UNIT TRIPPED INADVERTENTLY WHILE TROUBLESHOOTING A ROD CONTROL PROBLEM.

SUMMARY

BEAVER VALLEY 2 INCURRED ONE FORCED OUTAGE AND ONE FORCED REDUCTION IN POWER IN JULY FOR REASONS STATED 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)

****
* BEAVER VALLEY 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...SHIPPINGPORT, PENNSYLVANIA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 4, 1987

DATE ELEC ENER 1ST GENER...AUGUST 17, 1987

DATE COMMERCIAL OPERATE....NOVEMBER 17, 1987

CONDENSER COOLING METHOD...HNDCT

CONDENSER COOLING WATER....OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....435 SIXTH AVENUE
PITTSBURGH, PENNSYLVANIA 15219

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. BEALL

LICENSING PROJ MANAGER.....P. TAM
DOCKET NUMBER.....50-412

LICENSE & DATE ISSUANCE....NPF-73, AUGUST 14, 1987

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

INSPECTION STATUS

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

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

BEAVER VALLEY 2

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

1. Docket: 50-155 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 73

8. Maximum Dependable Capacity (Net MWe): 69

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	222,162.0
13. Hours Reactor Critical	612.1	2,834.7	158,668.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	576.4	2,736.1	155,871.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	97,188	500,101	29,433,624
18. Gross Elec Ener (MWH)	31,618	162,945	9,334,779
19. Net Elec Ener (MWH)	29,773	153,790	8,827,032
20. Unit Service Factor	77.5	53.5	70.2
21. Unit Avail Factor	77.5	53.5	70.2
22. Unit Cap Factor (MDC Net)	58.0	43.6	59.0*
23. Unit Cap Factor (DER Net)	55.6	41.8	55.2
24. Unit Forced Outage Rate	22.5	12.0	13.6
25. Forced Outage Hours	167.6	372.2	12,478.9

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

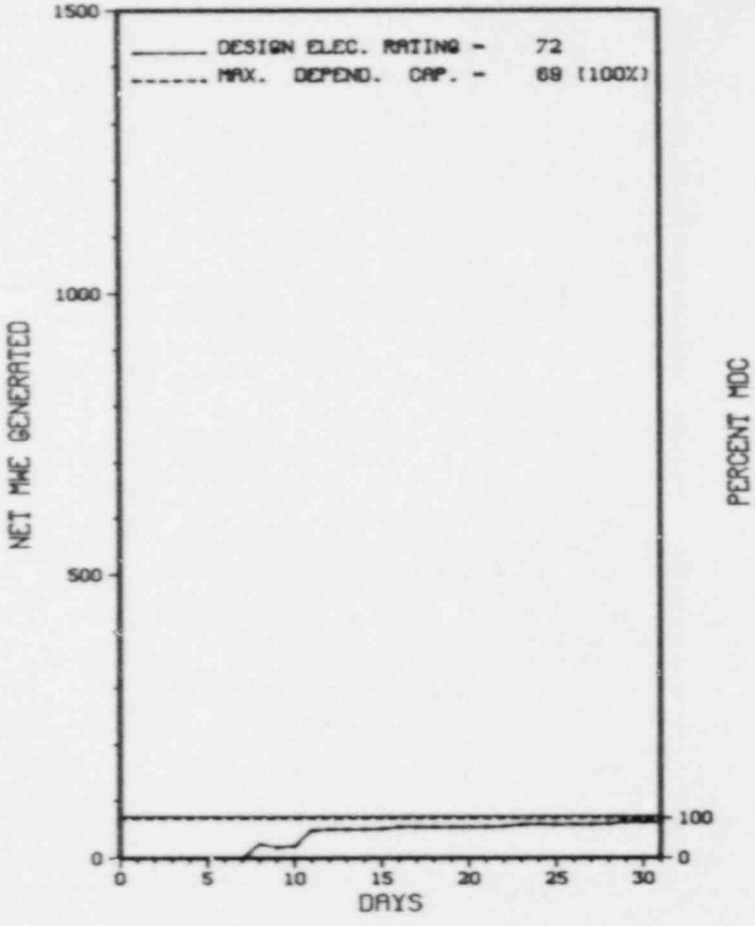
NONE

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

BIG ROCK POINT 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BIG ROCK POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-10	06/29/88	F	42.6	A	4				DURING POWER ESCALATION, AFTER THE REFUELING OUTAGE, IT WAS FOUND THAT THE NEW WIDE RANGE MONITORING INSTRUMENTS (WRM'S) COULD NOT BE CALIBRATED TO INDICATE ACTUAL REACTOR POWER. AT THAT TIME, POWER ESCALATION WAS STOPPED AND THE PLANT COMMENCED AN ORDERLY SHUTDOWN OF THE REACTOR. THE UNIT WAS REMOVED FROM SERVICE AT 06:50 HRS, 06/29/88. ON 07/01/88, AFTER MODIFICATIONS WERE COMPLETED ON THE WRM'S, THE REACTOR WAS TAKEN CRITICAL AND THE UNIT WAS RETURNED TO SERVICE.
88-11	07/02/88	F	125.0	A	1				THE UNIT WAS SHUTDOWN MANUALLY WHEN THE TURBINE/GENERATOR SEAL OIL SYSTEM COULD NOT BE ESTABLISHED. THE UNIT WAS RETURNED TO SERVICE ON 07/07/88 AT 23:37 AFTER REPAIRS WERE COMPLETE.

SUMMARY

BIG ROCK POINT ENTERED JULY SHUTDOWN. SUBSEQUENTLY, INCURRED ONE FORCED OUTAGE WHILE RETURNING TO 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)

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.....W. SCOTT
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 APRIL 20 THROUGH JUNE 1 (88009): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY THE SENIOR RESIDENT INSPECTOR. THE FUNCTIONAL AREAS INSPECTED CONSISTED OF LICENSEE ACTION ON A PREVIOUS INSPECTION FINDING INVOLVING SITE QA STAFFING, OPERATIONAL SAFETY VERIFICATION INVOLVING DAY TO DAY PLANT ACTIVITIES, MAINTENANCE OBSERVATIONS OF WORK PERFORMED ON AN EMERGENCY DIESEL GENERATOR, THREE DIGITAL TEMPERATURE RECORDERS, A CIRCULATING WATER PUMP, AND SEVERAL PRESSURE RELIEF VALVES, SECURITY, LICENSEE ACTION IN RESPONSE TO NRC BULLETIN 88-03, AND LICENSING ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 86 INSPECTOR-HOURS BY TWO NRC INSPECTORS. IN GENERAL, THE LICENSEE HAS DEMONSTRATED A DESIRE TO RESPOND IN A TIMELY MANNER TO ISSUES AND CONCERNS PRESENTED TO THEM BY THE NRC. THE OPERATIONAL SAFETY MAINTENANCE, AND SECURITY PROGRAMS APPEARED ADEQUATE TO ENSURE PUBLIC HEALTH AND SAFETY. TWO OPEN ITEMS WERE IDENTIFIED IN THE MAINTENANCE AREA. BOTH ITEMS INVOLVED SAFETY ISSUES WITH PRESSURE RELIEF VALVES.

INSPECTION ON MAY 23-27 AND JUNE 9 (88012): ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE ACTIVITIES USING SELECTED PORTIONS OF INSPECTION MODULES 62700, 62702, 62704 AND 62705. MAINTENANCE WAS ACCOMPLISHED, EFFECTIVE, AND SELF-ASSESSED; HOWEVER, MANAGEMENT INVOLVEMENT IS NEEDED TO ASSURE THAT MAINTENANCE PROCEDURES ARE REVIEWED AND EVALUATED FOR TECHNICAL ADEQUACY. MAINTENANCE PROCEDURES NEED TO BE USED FOR ACTIVITIES PERFORMED ON A REGULAR INTERVAL FOR PERFORMANCE CONSISTENCY. CORRECTIVE MAINTENANCE PROCEDURES NEED TO PROVIDE DETAILED STEP BY STEP INSTRUCTIONS ESPECIALLY DURING TASKS REQUIRING DISASSEMBLY AND ASSEMBLY OF EQUIPMENT. THE THRESHOLD FOR PLACING EQUIPMENT PROBLEMS ON MAINTENANCE WORK REQUESTS WAS SUFFICIENT TO MAINTAIN THE MATERIAL CONDITION OF THE PLANT AT AN ACCEPTABLE LEVEL. TRAINING CONDUCTED BEFORE THE INSTALLATION OF THE NEW INTERMEDIATE RANGE NEUTRON CHANNELS WAS CONSIDERED A STRENGTH IN PREPARING MAINTENANCE PERSONNEL FOR OPERATING AND MAINTAINING THE NEW EQUIPMENT. THE QA DEPARTMENT AUDITS AND SURVEILLANCES EVALUATED MAINTENANCE PROCESSES FOR TECHNICAL ADEQUACY AND PROVIDED INPUT TO UPGRADE AND TRACK THE PM PROGRAM. TWO EXAMPLES OF ONE VIOLATION WERE IDENTIFIED.

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RDS VALVES CORROSION PROBLEM

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: 07/21/88

INSPECTION REPORT NO: 88016

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-05	062688	071888	REACTOR DEPRESSURIZATION TIMERS OUT OF SPECIFICATION
88-06	070888	080588	SOURCE RANGE MONITOR ANOMALY RESULTING IN TECHNICAL SPECIFICATION VIOLATION

1. Docket: 50-456 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 56.3

3. Utility Contact: B. M. PEACOCK (815) 458-2801 EXT. 2480

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe):

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1120

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	56.3	56.3	56.3
13. Hours Reactor Critical	56.3	56.3	56.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	56.3	56.3	56.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	183,082	183,082	183,082
18. Gross Elec Ener (MWH)	62,690	62,690	62,690
19. Net Elec Ener (MWH)	60,040	60,040	60,040
20. Unit Service Factor	100.0	100.0	100.0
21. Unit Avail Factor	100.0	100.0	100.0
22. Unit Cap Factor (MDC Net)	95.2	95.2	95.2
23. Unit Cap Factor (DER Net)	95.2	95.2	95.2
24. Unit Forced Outage Rate	.0	.0	.0
25. Forced Outage Hours	.0	.0	.0

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

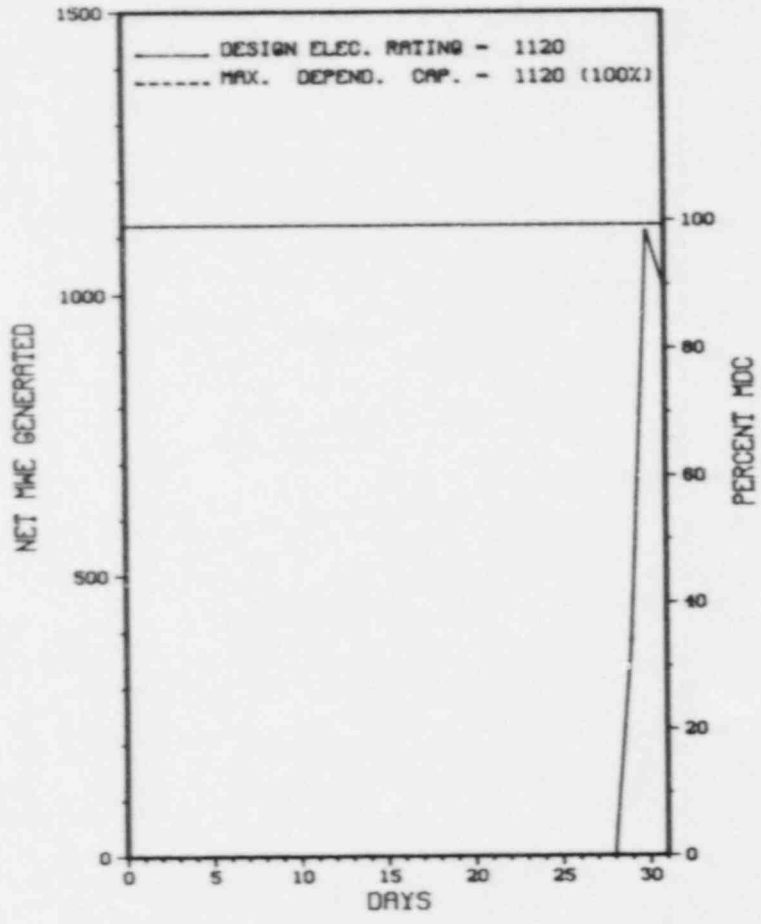
NONE

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

BRAIDWOOD 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* BRAIDWOOD 1 *
****

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

****
* SUMMARY *
****

BRAIDWOOD 1 COMPLETED ALL REQUIREMENTS FOR COMMERCIAL OPERATION ON JULY 29,1988, AND WAS DECLARED "IN COMMERICAL 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)

****
* BRAIDWOOD 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....WILL

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI SSW OF
JOLIET, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 29, 1987

DATE ELEC ENER 1ST GENER...JULY 12, 1987

DATE COMMERCIAL OPERATE....JULY 29, 1988

CONDENSER COOLING METHOD...CC ART

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....L. MCGREGOR

LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-456

LICENSE & DATE ISSUANCE....NPF-72, JULY 2, 1987

PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 6-21 (88018; 88018): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; ALARM STATIONS; COMMUNICATIONS; TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. NO VIOLATIONS WERE IDENTIFIED. ONE OPEN ITEM INVOLVING THE USE OF FORCE WAS IDENTIFIED DURING THIS INSPECTION. LICENSEE PERFORMANCE IN IMPLEMENTING SECURITY PROGRAM REQUIREMENTS IS ADEQUATE.

INSPECTION ON JUNE 20 (88020; 88020): INCLUDED A REVIEW OF COMPENSATORY MEASURES AND ACCESS CONTROL-PERSONNEL AS THEY RELATED TO AN NRC IDENTIFIED INCIDENT INVOLVING AN INATTENTIVENESS TO DUTY ISSUE OF TWO SECURITY OFFICERS. THE LICENSEE WAS FOUND TO BE IN VIOLATION OF NRC REQUIREMENTS NOTED BELOW: COMPENSATORY MEASURES: THE LICENSEE FAILED ON TWO OCCASIONS TO ENSURE ADEQUATE IMPLEMENTATION OF VITAL AREA COMPENSATORY MEASURES. INSPECTION ACTIVITIES SHOWED A DECLINE IN THE LICENSEE'S IMPLEMENTATION OF THEIR SECURITY PROGRAM.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

CURRENT LOW LEVEL IN BRAIDWOOD COOLING LAKE AND LOW FLOW IN KANKAKEE RIVER MAY NECESSITATE MAKEUP FROM OTHER LAKES IN AREA.

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

BRAIDWOOD 1 OPERATING IN FULL COMMERCIAL SERVICE UP TO 100% RATED POWER.

LAST IE SITE INSPECTION DATE: 07/18/88

INSPECTION REPORT NO: 88023

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-12	061188	072588	MISSED TECHNICAL SPECIFICATION DUE TO PERSONNEL ERROR CAUSED BY AREA CONTAMINATION
88-14	070288	072888	MISSED SURVEILLANCE REQUIREMENT FOR THE CONTAINMENT SPRAY SYSTEM DUE TO INADEQUATE PROCEDURE
88-15	071088	080388	CONTROL ROOM VENTILATION ISOLATION DUE TO INADVERTENT SWITCH MISPOSITIONING

1. Docket: 50-457 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 56.3

3. Utility Contact: M. W. PETERSON

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe):

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1120

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	1,611.4	1,611.4
13. Hours Reactor Critical	679.7	1,367.7	1,367.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	663.4	1,207.6	1,207.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,169,397	1,818,718	1,818,718
18. Gross Elec Ener (MWH)	363,584	518,762	518,762
19. Net Elec Ener (MWH)	339,149	482,829	482,829
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	80.6	204.1	204.1

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

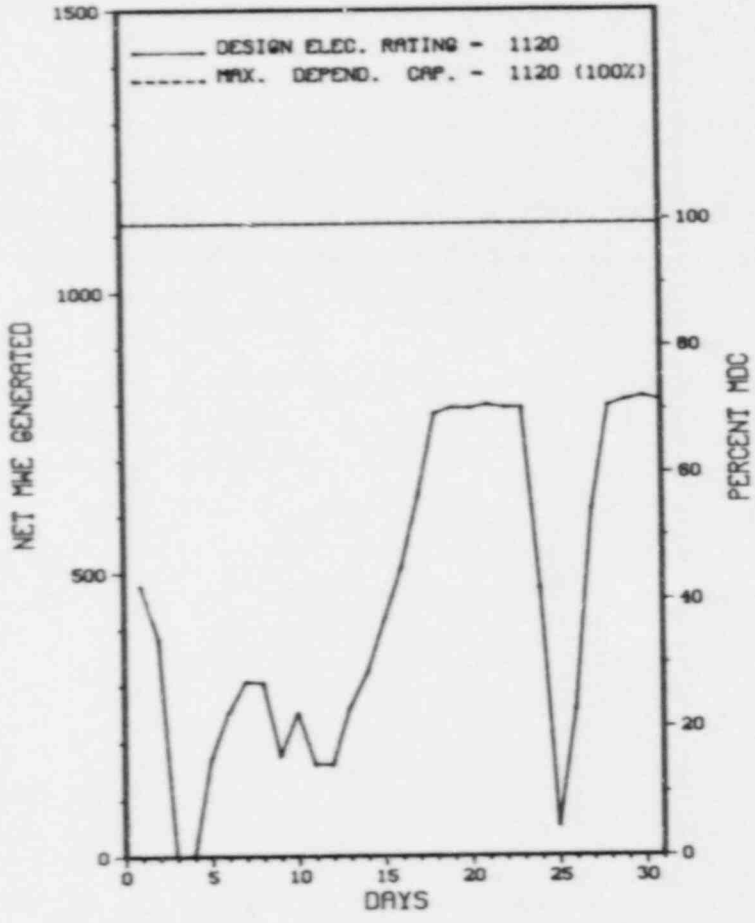
NONE

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

****
* BRAIDWOOD 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRAIDWOOD 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BRAIDWOOD 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
08	07/02/88	F	55.1	G	3	88-018	JG	PIC	FAILURE OF PRESSURIZER PRESSURE BISTABLE 457C WITH BISTABLE 455C IN A TRIPPED CONDITION DUE TO TESTING. COMPARATOR CARD WAS REPLACED.
09	07/24/88	F	25.5	A	2	88-019	LD	ISV	LOSS OF INSTRUMENT AIR TO HEATER DRAIN VALVES. INSTRUMENT AIR ISOLATION VALVE WAS REPOSITIONED.

SUMMARY

BRAIDWOOD 2 INCURRED TWO FORCED OUTAGES DURING JULY WHILE PROCEEDING WITH THE STARTUP TEST PROGRAM.

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)

****
* BRAIDWOOD 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....WILL

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI SSW OF
JOLIET, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 8, 1988

DATE ELEC ENER 1ST GENER...MAY 25, 1988

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

CONDENSER COOLING METHOD...CCART

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....L. MCGREGOR

LICENSING PROJ MANAGER.....S. SANDS
DOCKET NUMBER.....50-457

LICENSE & DATE ISSUANCE....NPF-77, MAY 20, 1988

PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
GOVERNMENT DOCUMENTS COLLECTION
WILMINGTON PUBLIC LIBRARY
201 SOUTH KANKAKEE STREET
WILMINGTON, ILLINOIS, 60481

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 6-21 (88018; 88018): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; ALARM STATIONS; COMMUNICATIONS; TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. NO VIOLATIONS WERE IDENTIFIED. ONE OPEN ITEM INVOLVING THE USE OF FORCE WAS IDENTIFIED DURING THIS INSPECTION. LICENSEE PERFORMANCE IN IMPLEMENTING SECURITY PROGRAM REQUIREMENTS WAS ADEQUATE.

INSPECTION ON JUNE 20 (88020; 88020): INCLUDED A REVIEW OF COMPENSATORY MEASURES AND ACCESS CONTROL-PERSONNEL AS THEY RELATED TO AN NRC IDENTIFIED INCIDENT INVOLVING AN INATTENTIVENESS TO DUTY ISSUE OF TWO SECURITY OFFICERS. THE LICENSEE WAS FOUND TO BE IN VIOLATION OF NRC REQUIREMENTS NOTED BELOW: COMPENSATORY MEASURES: THE LICENSEE FAILED ON TWO OCCASIONS TO ENSURE ADEQUATE IMPLEMENTATION OF VITAL AREA COMPENSATORY MEASURES. INSPECTION ACTIVITIES SHOWED A DECLINE IN THE LICENSEE'S IMPLEMENTATION OF THEIR SECURITY PROGRAM.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

LOW LEVEL OF ROCK RIVER NECESSITATES PERIODIC MONITORING OF RIVER FLOW IN SUPPORT OF ULTIMATE HEAT SINK CONSIDERATIONS.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER LEVELS UP TO 100%.

LAST IE SITE INSPECTION DATE: 07/18/88

INSPECTION REPORT NO: 88023

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-12	062088	070888	REACTOR TRIP DUE TO PHASE B OVERCURRENT PROTECTIVE RELAY CO-7 DEFFECTIVE CURRENT SWITCH
88-13	062188	071888	LOW STEAM GENERATOR LEVEL RESULTS IN REACTOR TRIP DUE TO INADEQUATE PROCEDURE GUIDANCE
88-	062288	071888	UNIT 2 REACTOR TRIP DUE TO LOW WATER LEVEL CAUSED BY ERRATIC OPERATION OF MAIN WATER REGULATING VALVE
88-15	062688	071988	FEEDWATER ISOLATION DUE TO HI-2 STEAM GENERATOR LEVEL CAUSED BY STEAM GENERATOR SENSITIVITY
88-16	062488	071988	UNIT 2 REACTOR TRIP U-2 RX TRIP ON LO-2 2B S/G LEVEL
88-17	062988	072088	MISSED TECHNICAL SPECIFICATION SURVEILLANCE DUE TO CALCULATIONAL ERROR
88-18	070288	072188	REACTOR TRIP DUE TO DEFECTIVE CIRCUIT CARD

1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	122,737.0
13. Hours Reactor Critical	.0	.0	59,520.9
14. Rx Reserve Shtdwn Hrs	.0	.0	6,996.8
15. Hrs Generator On-Line	.0	.0	58,276.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	167,963,338
18. Gross Elec Ener (MWH)	0	0	55,398,130
19. Net Elec Ener (MWH)	-5,132	-29,019	53,612,464
20. Unit Service Factor	.0	.0	47.5
21. Unit Avail Factor	.0	.0	47.5
22. Unit Cap Factor (MDC Net)	.0	.0	41.0
23. Unit Cap Factor (DER Net)	.0	.0	41.0
24. Unit Forced Outage Rate	100.0	100.0	44.0
25. Forced Outage Hours	744.0	5,111.0	45,809.1

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

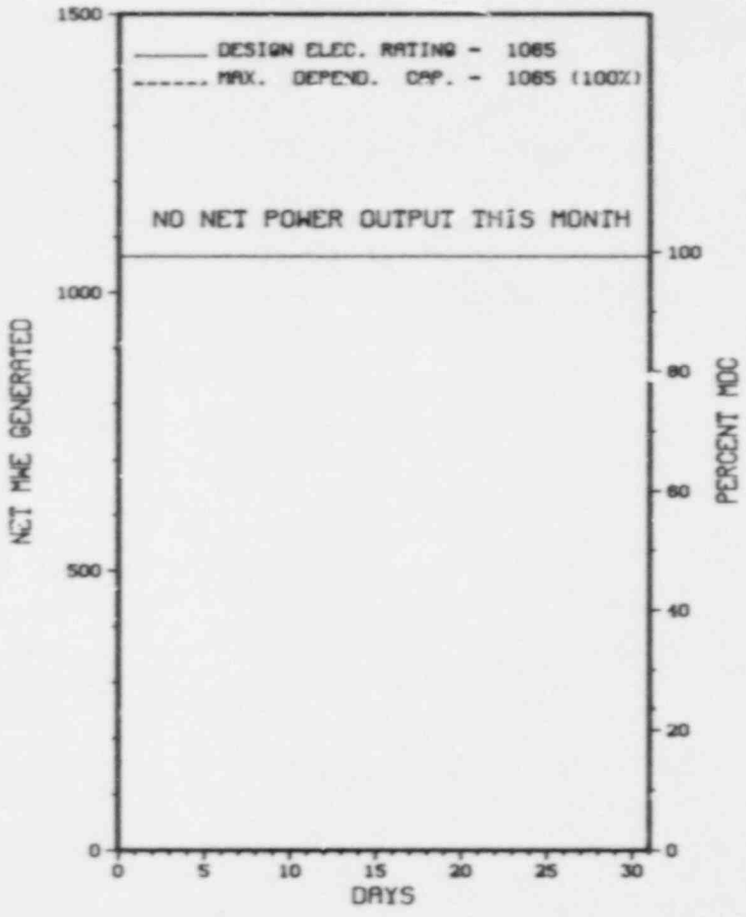
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
315	06/01/85	F	744.0	F	4				ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

SUMMARY

BROWNS FERRY 1 REMAINED ON ADMINISTRATIVE HOLD IN JULY IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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.....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.....J. GEARS
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 MAY 2-6 (88-12): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF MARK I CONTAINMENT LONG TERM PROGRAM MODIFICATION, IEB 79-02, AND IEB 79-14. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.1, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PROC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED.
(8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.B.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.B.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE

ENFORCEMENT SUMMARY

WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTROL FORM (TACF) NUMBER 3-88-001-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGINAL TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-101-64, AND 2-85-039-064.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ NONE.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-259/88-21 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-017	06/04/88	07/01/88	UNPLANNED STANDBY GAS TREATMENT ACTUATION DUE TO PERSONNEL ERROR
88-018	06/05/88	07/05/88	UNPLANNED ENGINEERED SAFETY FEATURE ACTUATION DUE TO CIRCUIT PROTECTOR TRIP CAUSED BY UNSTABLE UNDERVOLTAGE RELAY FAILURE
88-019	06/08/88	07/07/88	ENGINEERED SAFETY FEATURE ACTUATIONS OCCURRED DUE TO PERSONNEL ERROR

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1. Docket: 50-260 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. CRAWFORD (205) 729-2507
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	117,648.0
13. Hours Reactor Critical	.0	.0	55,859.6
14. Rx Reserve Shtdwn Hrs	.0	.0	14,200.4
15. Hrs Generator On-Line	.0	.0	54,338.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	153,245,167
18. Gross Elec Ener (MWH)	0	0	50,771,798
19. Net Elec Ener (MWH)	-2,419	-14,526	49,169,307
20. Unit Service Factor	.0	.0	46.2
21. Unit Avail Factor	.0	.0	46.2
22. Unit Cap Factor (MDC Net)	.0	.0	39.2
23. Unit Cap Factor (DER Net)	.0	.0	39.2
24. Unit Forced Outage Rate	100.0	100.0	43.5
25. Forced Outage Hours	744.0	5,111.0	41,864.4

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

NONE

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

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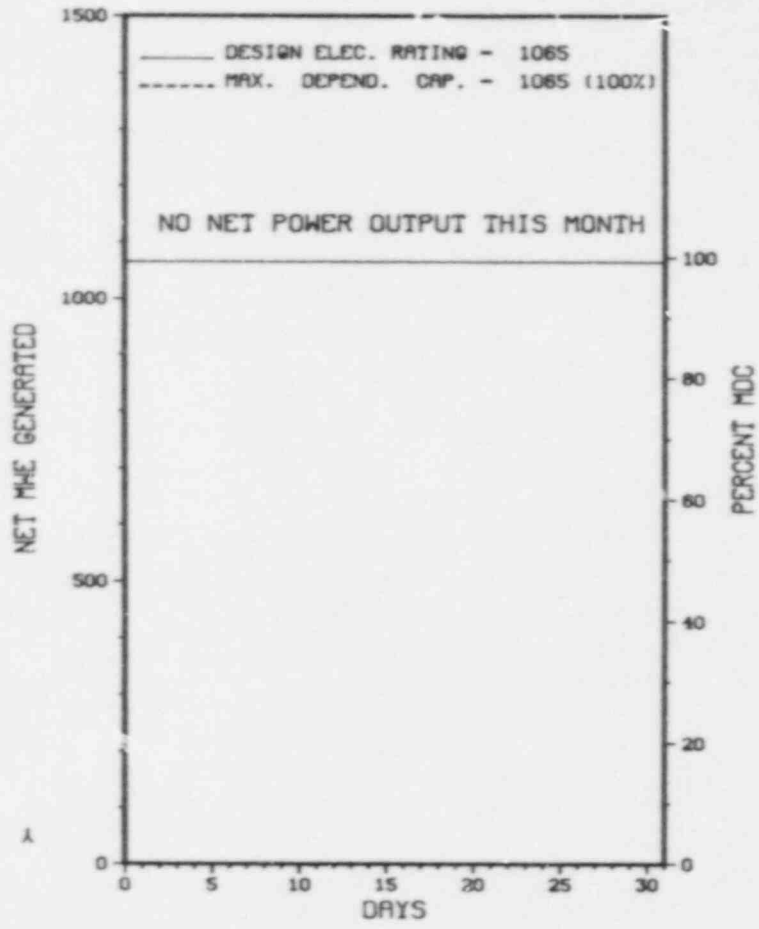
* BROWNS FERRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
305	09/15/84	F	744.0	F	4				ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

****
* SUMMARY *
****

BROWNS FERRY 2 REMAINED ON ADMINISTRATIVE HOLD IN JULY TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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	

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

FACILITY DATA

Report Period JUL 1988

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.....J. GEARS
DOCKET NUMBER.....50-260

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 2-6 (88-12): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF MARK I CONTAINMENT LONG TERM PROGRAM MODIFICATION, IEB 79-02, AND IEB 79-14. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.1, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PROC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED. CONTRARY TO 10 CFR, APPENDIX B, CRITERION X, THE REQUIREMENT WAS NOT MET ON NOVEMBER 20, 1987 WHEN A CHECK VALVE IN THE EMERGENCY EQUIPMENT COOLING WATER SYSTEM (EECW) WAS IMPROPERLY INSTALLED DURING THE PERFORMANCE OF MAINTENANCE REQUEST (MR) NUMBER 792717. VALVE NUMBER 2-67-659 WAS FOUND TO BE INSTALLED BACKWARDS ON MARCH 15, 1988. RESEARCH INDICATED THAT THE LAST ACTIVITY PERFORMED ON THE VALVE WAS MR-792717. NO INSPECTION WAS PERFORMED AND DOCUMENTED TO VERIFY PROPER ORIENTATION OF THE CHECK VALVE FOLLOWING THE MAINTENANCE ACTIVITY. WORK INSTRUCTIONS OF THE MR EXPLICITLY STATED TO REINSTALL THE VALVE IN THE PROPER ORIENTATION. REVERSAL OF THIS CHECK VALVE PREVENTED

ENFORCEMENT SUMMARY

THE SUPPLY OF EECW TO THE RESIDUAL HEAT REMOVAL (RHR) PUMP SEAL COOLER AND THE RHR PUMP ROOM COOLER FROM THE NORTH EECW HEADER.
(8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.B.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.B.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTROL FORM (TACF) NUMBER 3-88-001-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGINAL TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-101-64, AND 2-85-039-064.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ NONE.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1954 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-260/88-21 +

REPORTS FROM LICENSEE

BROWNS FERRY 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-296 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. D. CRAWFORD (205) 729-2507

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	100,103.0
13. Hours Reactor Critical	.0	.0	45,306.8
14. Rx Reserve Shtdwn Hrs	.0	.0	5,149.4
15. Hrs Generator On-line	.0	.0	44,195.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	131,846,076
18. Gross Elec Ener (MWH)	0	0	43,473,760
19. Net Elec Ener (MWH)	-1,833	-15,891	42,026,177
20. Unit Service Factor	.0	.0	44.2
21. Unit Avail Factor	.0	.0	44.2
22. Unit Cap Factor (MDC Net)	.0	.0	39.4
23. Unit Cap Factor (DER Net)	.0	.0	39.4
24. Unit Forced Outage Rate	100.0	100.0	44.8
25. Forced Outage Hours	744.0	5,111.0	35,848.4

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

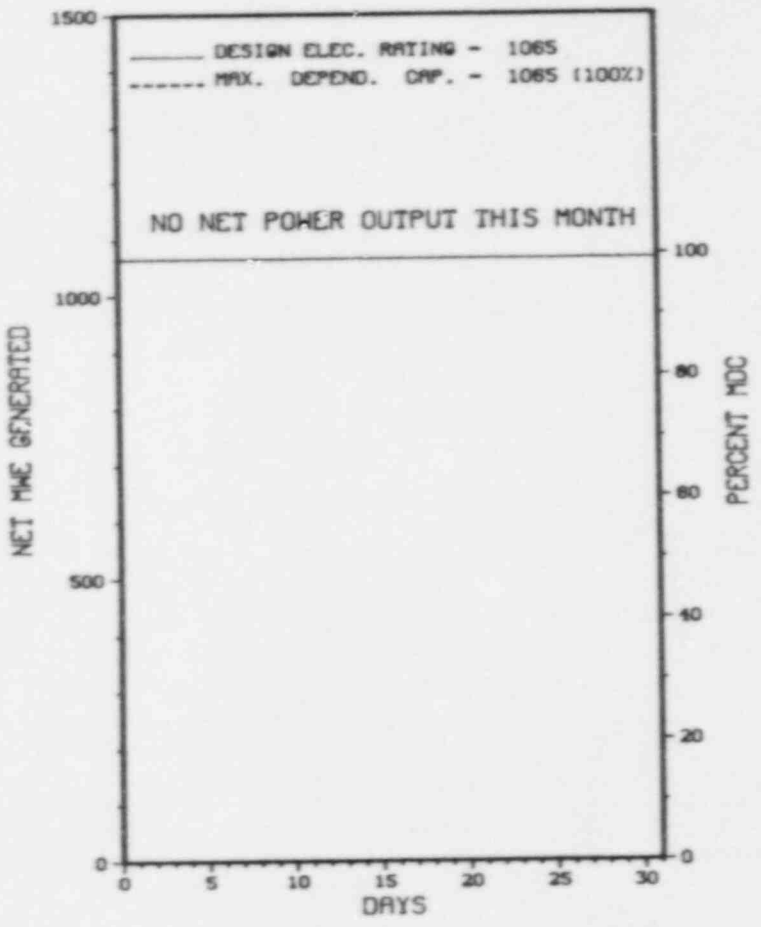
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
157	03/03/85	F	744.0	F	4				ADMINISTRATIVE HOLD TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

SUMMARY

BROWNS FERRY 3 REMAINED ON ADMINISTRATIVE HOLD IN JULY IN ORDER TO RESOLVE VARIOUS TVA AND NRC CONCERNS.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

LICENSING PROJ MANAGER.....J. GEARS
DOCKET NUMBER.....50-296

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 2-6 (88-12): THIS ROUTINE, ANNOUNCED INSPECTION WAS IN THE AREAS OF MARK I CONTAINMENT LONG TERM PROGRAM MODIFICATION, IEB 79-02, AND IEB 79-14. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.5.1, THE REQUIREMENTS WERE NOT MET AS FOLLOWS: (1) PLANT MANAGERS INSTRUCTION (PMI) 7.1, PLANT OPERATIONS REVIEW COMMITTEE, IMPROPERLY DESIGNATED THREE ALTERNATE PORC CHAIRMEN. PMI 7.1 ALLOWED TWO OF THE UNIT SUPERINTENDENTS AND THE MAINTENANCE SUPERINTENDENT TO BE ALTERNATE PORC CHAIRMAN. (2) THE ACTING MAINTENANCE SUPERINTENDENT WHO IS NEITHER AUTHORIZED BY TECHNICAL SPECIFICATIONS OR PMI 7.1 TO BE AN ALTERNATE CHAIRMAN, CHAIRED AS PORC MEETING ON MARCH 10, 1988. ALSO ON THIS MARCH 10, 1988, PROC MEETING, AN INDIVIDUAL ACTED AS AN ALTERNATE MEMBER FOR THE HEALTH PHYSICS SUPERVISOR WITHOUT BEING APPOINTED IN WRITING IN PMI 7.1. (3) WRITTEN MINUTES OF THE EXPEDITED PORC MEETING CONDUCTED ON MARCH 10, 1988, IN WHICH A DEFICIENT CONDITION WITH THE REACTOR BUILDING OVERHEAD CRANE WAS DISCUSSED WERE NOT MAINTAINED.
(8800 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (1) THE REQUIREMENTS OF SURVEILLANCE INSTRUCTION 0-SI-4.7.B.6, STANDBY GAS TREATMENT SYSTEM IODINE REMOVAL EFFICIENCY WERE NOT ADHERED TO FOR THE TEST ON TRAINS B AND C COMPLETED ON JANUARY 12, 1988, AND TRAIN A COMPLETED ON FEBRUARY 16, 1988. ATTACHMENT 5 OF SI 4.7.B.6 REQUIRES THAT THE CHARCOAL SAMPLES BE TESTED IN ACCORDANCE

ENFORCEMENT SUMMARY

WITH ASTM D3803, STANDARD TEST METHOD FOR RADIOIODINE TESTING OF NUCLEAR-GRADE GAS-PHASE ADSORBENTS. ASTM D3803 REQUIRES THAT THE FEED PERIOD DURATION AND THE ELUTION PERIOD DURATION BE 60 PLUS OR MINUS 1 MINUTES AND 240 PLUS OR MINUS 1 MINUTES RESPECTIVELY. TEST DATA CONTAINED IN THE COMPLETED SI DATA PACKAGE DOCUMENT THAT THE ACTUAL FEED DURATION WAS 90 MINUTES (THIRTY MINUTES LONGER THAN SPECIFIED) AND THE ACTUAL ELUTION TIME WAS 90 MINUTES (150 MINUTES SHORTER THAN SPECIFIED). IT IS NOTED THAT THIS IS A REPEAT VIOLATION MOST RECENTLY CITED IN INSPECTION REPORTS 50-259, 260, 296/86-11. (2) THE REQUIREMENTS OF PLANT MANAGERS INSTRUCTION 15.4 (UNIQUE REPORTING REQUIREMENTS), WERE NOT ADHERED TO IN THAT NO LICENSEE REPORTABLE EVENT DETERMINATION EVALUATION WAS INITIATED AS REQUIRED TO DETERMINE THE OPERABILITY OF THE UNIT 2 RESIDUAL HEAT REMOVAL SYSTEM LOWER CONTAINMENT SPRAY HEADER AFTER AN INSPECTION (CAQR BFP880052) REVEALED CLOGGED NOZZLES DUE TO RUST ON FEBRUARY 3, 1988. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION VI, REVISION 1 TO TEMPORARY ALTERATION CONTRO' FORM (TACF) NUMBER 3-8?-061-111 WAS NOT PROPERLY REVIEWED FOR ADEQUACY APPROVED FOR RELEASE, AND PROPERLY DISTRIBUTED. THE ORIGI. L TACF WAS INITIATED ON MARCH 10, 1988 WITH THE MAJORITY OF THE REVIEW AND APPROVAL AUTHORIZATIONS OBTAINED ON MARCH 13, 1988. A REVISION WAS INITIATED ON MARCH 15, 1988; HOWEVER, NOT ALL OF THE APPROVAL SIGNATURES WERE UPDATED TO REFLECT APPROVAL OF THE REVISED INFORMATION. (1) THE OPERATIONS SUPERVISOR'S CONCURRENCE SIGNATURE WAS DATED MARCH 13, 1988. (2) THE SHIFT ENGINEER'S APPROVAL OF THE TACF WAS DATED MARCH 13, 1988. (3) THE FILE CLERK MADE AND DISTRIBUTED COPIES OF THE TACF ON MARCH 15, 1988, ALTHOUGH FOUR SIGNATURES ON THE TACF WERE DATED MARCH 16, 1988. THE ABOVE INFORMATION WAS ONLY AVAILABLE ON THE ORIGINAL TACF FORM MAINTAINED IN THE SHIFT ENGINEER'S OFFICE AND WAS THE CONDITION OF THE TACF ON MARCH 17, 1988. SIMILAR PROBLEMS WERE FOUND WITH THE FOLLOWING TACF'S: 2-85-50-24, 2-84-097-57, 2-84-;01-64, AND 2-85-039-064.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE EVALUATING CAUSE OF REACTOR VESSEL WATER LEVEL INDICATION PROBLEMS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ NONE.

PLANT STATUS:

SHUTDOWN ON MARCH 9, 1985.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-296/88-21 +

REPORTS FROM LICENSEE

BROWNS FERRY 3

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-001	06/05/88	07/01/88	DESIGN DEFICIENCY IN DIESEL GENERATOR BREAKER LOGIC PREVENTS THREE DGS FROM CONNECTING TO SHUTDOWN BOARDS DURING LOSS OF COOLANT/LOSS OF POWER TEST

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1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	99,696.0
13. Hours Reactor Critical	566.9	4,234.5	65,172.2
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	544.3	4,124.5	61,985.2
16. Unit Reserve Shtdwn Hrs	.0	.6	.9
17. Gross Therm Ener (MWH)	1,165,287	9,553,666	131,533,202
18. Gross Elec Ener (MWH)	371,000	3,129,640	43,239,187
19. Net Elec Ener (MWH)	355,311	3,026,417	41,605,549
20. Unit Service Factor	73.2	80.7	62.2
21. Unit Avail Factor	73.2	80.7	62.2
22. Unit Cap Factor (MDC Net)	60.5	75.0	52.8
23. Unit Cap Factor (DER Net)	58.2	72.1	50.8
24. Unit Forced Outage Rate	.0	.0	14.7
25. Forced Outage Hours	.0	.0	10,619.7

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

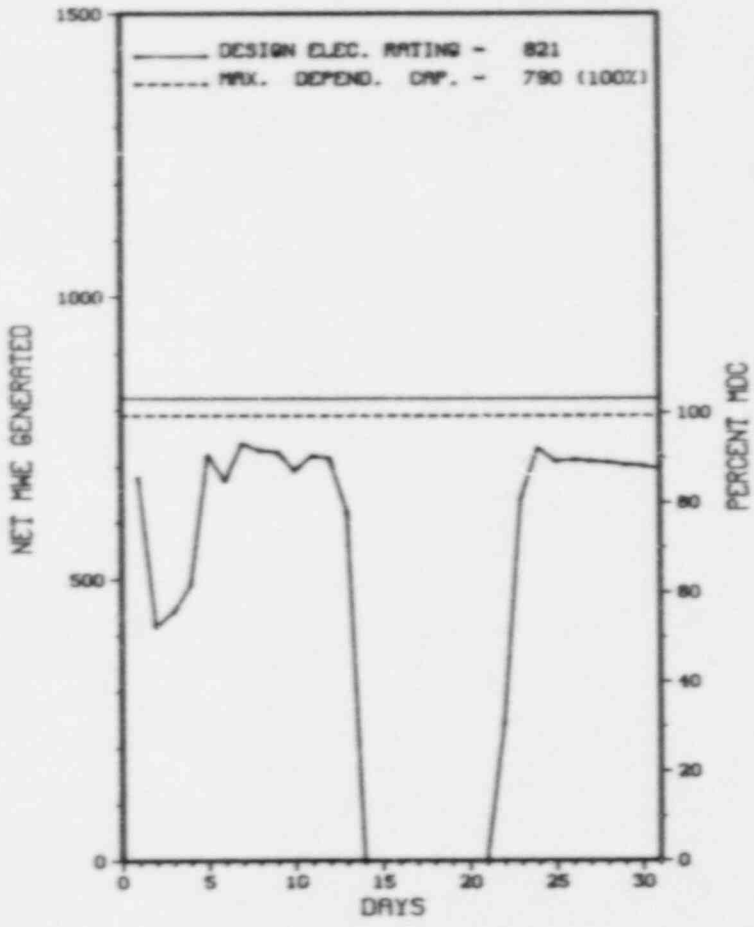
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



JULY 1988

Report Period JUL 1988

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

BRUNSWICK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88055	07/02/88	F	0.0	A	5				POWER REDUCTION TO PERFORM WATERBOX WORK ON MAIN CONDENSER.
88056	07/05/88	F	0.0	A	5				POWER REDUCTION FOR REPAIR OF TRANSMISSION LINE.
88057	07/10/88	S	0.0	B	5				ROD IMPROVEMENT.
88059	07/13/88	S	199.7	A	1	1-88-017			UNIT SHUT DOWN DUE TO FAILURE OF HPCI VALVE 1-E41-F001.

SUMMARY

BRUNSWICK 1 INCURRED THREE REDUCTIONS IN POWER AND ONE OUTAGE IN JULY FOR REASONS STATED 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 (LER) File (NUREG-0161)
			9-Other	

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

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

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 18, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. RULAND

LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-325

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

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601 S. COLLEGE ROAD
WILMINGTON, N. C. 28403

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

INSPECTION SUMMARY

+ INSPECTION JUNE 14-17 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM AND IEB 80-11. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING THE ADEQUACY OF QC INSPECTION PROCEDURES AND RECORDS RELATING TO PLANT MODIFICATIONS.

INSPECTION JUNE 20-24 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF RADIATION PROTECTION INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL; SOLID WASTE; TRANSPORTATION, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S RADIATION PROTECTION PROGRAM WAS ASSESSED TO BE ADEQUATE IN THE AREAS COVERED DURING THE INSPECTION. A POSITIVE LICENSEE INITIATIVE WAS NOTED DEALING WITH THE INSTALLATION OF RADIATION MONITORING SYSTEMS BEYOND MINIMUM NRC REQUIREMENTS. THE SYSTEMS, WHICH ARE INTENDED TO REDUCE RADIATION EXPOSURE, FEATURE REMOTE RADIATION MONITORS LOCATED IN AREAS OF HIGH RADIATION BACKGROUND WHICH READ OUT AT A CENTRAL LOCATION IN AN AREA WITH LOW BACKGROUND. LICENSEE PERSONNEL CAN CHECK RADIATION LEVELS IN MONITORED AREAS BEFORE ENTERING FOR TOURS OR WORK.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.4.6, SURVEILLANCE REQUIREMENT 4.4.6.1.1, REACTOR VESSEL PRESSURE AND SHELL TEMPERATURE WERE NOT DETERMINED TO BE

ENFORCEMENT SUMMARY

WITHIN LIMITS ONCE PER 30 MINUTES DURING SYSTEM HEATUP. ON JANUARY 25, 1988, FROM 2:45 A.M. TO 4:30 A.M., A REACTOR COOLANT SYSTEM HEATUP OF ABOUT 90 DEGREES F OCCURRED WITH NO DETERMINATION AT THAT TIME THAT REACTOR VESSEL PRESSURE AND SHELL TEMPERATURES WERE WITHIN LIMITS.

CONTRARY TO 10 CFR 50.59(A)(1) AND 10 CFR 50.59(B)(1), A WRITTEN SAFETY EVALUATION PROVIDING THE BASIS FOR THE DETERMINATION THAT A CHANGE DID NOT INVOLVE AN UNREVIEWED SAFETY QUESTION WAS NOT PERFORMED. THE LICENSEE RECEIVED INFORMATION PRIOR TO UNIT 1 STARTUP ON FEBRUARY 28, 1988, THAT , WITH CERTAIN SINGLE FAILURES, NUCLEAR SERVICE WATER FLOW TO THE REACTOR BUILDING CCW HEAT EXCHANGERS WOULD NOT BE ZERO GALLONS PER MINUTE DURING THE FIRST 10 MINUTES OF A LOSS OF COOLANT ACCIDENT. A WRITTEN SAFETY EVALUATION WAS NOT COMPLETED UNTIL MARCH 22, 1988, SUBSEQUENT TO THE INSPECTION.
(8801 4)

CONTRARY TO TS 4.6.6.2.A.2, THE CAD SYSTEM WAS NOT DEMONSTRATED TO BE OPERABLE BY VERIFYING EACH MANUAL VALVE IN THE FLOW PATH NOT LOCKED WAS IN THE CORRECT POSITION. VALVE 1-CAC-V168, A FLOW PATH VALVE, WAS OPEN AND NOT LOCKED ON AND BEFORE FEBRUARY 26, 1988, AND REQUIRED TO BE OPEN BUT NOT LOCKED BY 1-OP-24, REV. 22, CONTAINMENT ATMOSPHERE CONTROL SYSTEM OPERATING PROCEDURE. V168 WAS NOT VERIFIED IN ITS CORRECT POSITION (OPEN) BY PT-15.1, REV. 12.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ PLANT OPERATION AT 95% POWER.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-325/88-24 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-014	06/06/88	07/06/88	NONCONSERVATIVE SETPOINTS OF STEAM LEAK DETECTION INSTRUMENTATION FOR THE RCIC SYSTEMS OF UNITS 1 AND 2 AND THE HPCI SYSTEM OF UNIT 2
88-015	06/12/88	07/08/88	AUTOMATIC ISOLATION OF UNITS 1 AND 2 COMMON CONTROL BUILDING HEATING, VENTILATING, AIR CONDITIONING SYSTEM AND EMERGENCY AIR FILTRATION SYSTEM

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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: FRANCES HARRISON (919) 457-2756

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	111,720.0
13. Hours Reactor Critical	536.6	2,028.0	69,101.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	531.7	1,770.9	65,017.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,215,057	3,895,000	130,482,479
18. Gross Elec Ener (MWH)	398,215	1,279,205	43,020,737
19. Net Elec Ener (MWH)	381,941	1,208,992	41,251,821
20. Unit Service Factor	71.5	34.6	58.2
21. Unit Avail factor	71.5	34.6	58.2
22. Unit Cap Factor (MDC Net)	65.0	29.9	46.7
23. Unit Cap Factor (DER Net)	62.5	28.8	45.0
24. Unit Forced Outage Rate	.0	14.7	14.9
25. Forced Outage Hours	.0	304.1	11,763.9

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

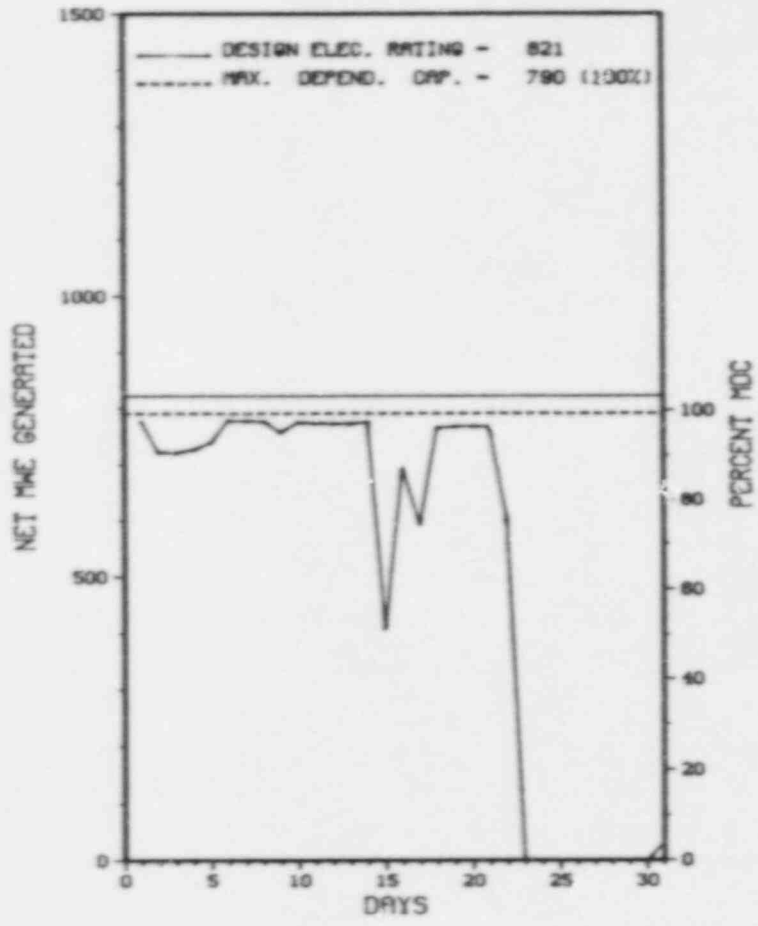
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BRUNSWICK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88027	07/02/88	S	0.0	B	5				ROD IMPROVEMENT AND ROUTINE VALVE TESTING.
88033	07/15/88	F	0.0	A	5				REDUCE POWER DUE TO LOW CONDENSER VACUUM (2A CIRCULATING WATER PUMP TRIPPED DUE TO CLOGGED INTAKE SCREEN).
88034	07/16/88	F	0.0	B	5				REDUCED POWER FOR PT-14.2.1, SINGLE ROD SCRAM INSERTION TIMES AND CIRCULATING WATER INTAKE TRAVELING SCREEN REPAIR.
88037	07/22/88	S	212.3	B	1				MAINTENANCE OUTAGE TO WORK ON HPCI, REACTOR RECIRCULATION, RHR, AND OTHER MAINTENANCE ITEMS.

SUMMARY

BRUNSWICK 2 INCURRED THREE POWER REDUCTIONS AND ONE OUTAGE IN JULY FOR REASONS STATED 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)

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 20, 1975

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

DATE COMMERCIAL OPERATE....NOVEMBER 3, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. RULAND

LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-324

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

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WILMINGTON, N. C. 28403

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 14-17 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF THE SNUBBER SURVEILLANCE PROGRAM AND IEB 80-11. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING THE ADEQUACY OF QC INSPECTION PROCEDURES AND RECORDS RELATING TO PLANT MODIFICATIONS.

INSPECTION JUNE 20-24 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF RADIATION PROTECTION INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; TRAINING AND QUALIFICATIONS; INTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIAL; SOLID WASTE; TRANSPORTATION, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S RADIATION PROTECTION PROGRAM WAS ASSESSED TO BE ADEQUATE IN THE AREAS COVERED DURING THE INSPECTION. A POSITIVE LICENSEE INITIATIVE WAS NOTED DEALING WITH THE INSTALLATION OF RADIATION MONITORING SYSTEMS BEYOND MINIMUM NRC REQUIREMENTS. THE SYSTEMS, WHICH ARE INTENDED TO REDUCE RADIATION EXPOSURE, FEATURE REMOTE RADIATION MONITORS LOCATED IN AREAS OF HIGH RADIATION BACKGROUND WHICH READ OUT AT A CENTRAL LOCATION IN AN AREA WITH LOW BACKGROUND. LICENSEE PERSONNEL CAN CHECK RADIATION LEVELS IN MONITORED AREAS BEFORE ENTERING FOR TOURS OR WORK.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

PLANT OPERATION AT 100% POWER.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-324/88-24 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-454 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: D. J. SPITZER (815) 234-5441 X2023
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1175
6. Design Electrical Rating (Net MWe): 1120
7. Maximum Dependable Capacity (Gross MWe): 1120
8. Maximum Dependable Capacity (Net MWe): 1105
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): 1097
11. Reasons for Restrictions, If Any:
STEAM GENERATOR SPLIT FLOW

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	25,200.0
13. Hours Reactor Critical	722.4	4,400.0	19,712.2
14. Rx Reserve Shtdwn Hrs	.0	.0	37.8
15. Hrs Generator On-Line	712.2	4,376.1	19,337.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,293,717	13,683,531	57,279,382
18. Gross Elec Ener (MWH)	775,163	4,572,595	19,198,372
19. Net Elec Ener (MWH)	734,398	4,314,826	18,054,303
20. Unit Service Factor	95.7	85.6	76.7
21. Unit Avail Factor	95.7	85.6	76.7
22. Unit Cap Factor (MDC Net)	89.3	75.5	64.8
23. Unit Cap Factor (DER Net)	88.1	75.4	64.0
24. Unit Forced Outage Rate	4.3	2.2	5.0
25. Forced Outage Hours	31.8	97.1	1,009.2

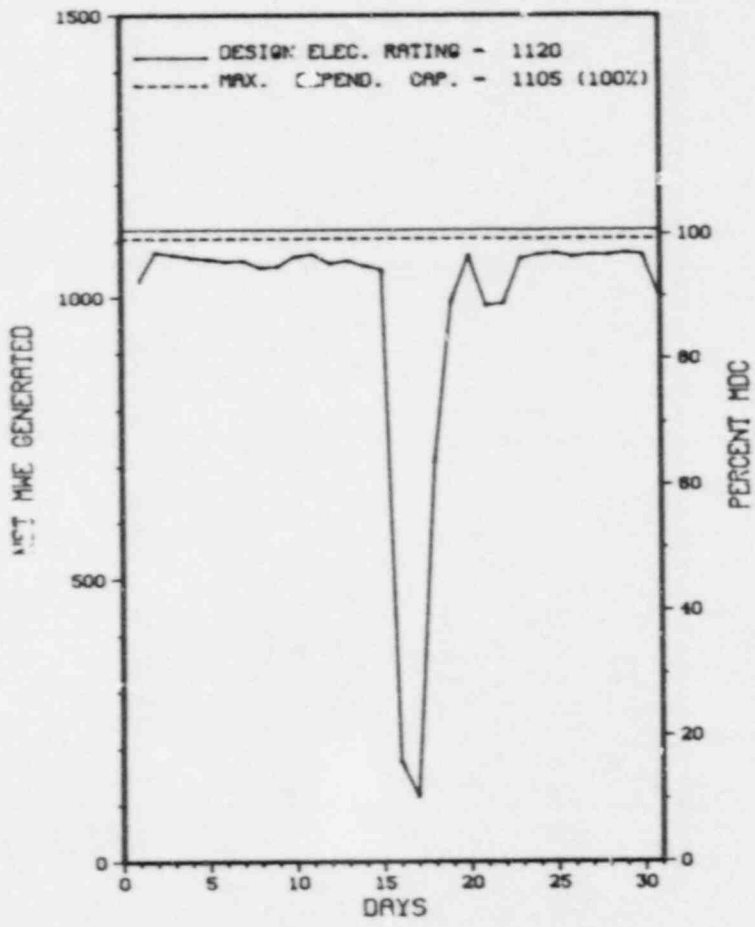
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - 09/03/88.

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

****
* BYRON 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BYRON 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	07/16/88	F	31.8	A	3		FW	1BFWPP	1B FW PUMP TRIPPED CAUSING STEAM GENERATOR LEVELS TO GO TO THE LO-LO SETPOINT WHICH CAUSED THE REACTOR TRIP.

SUMMARY

BYRON 1 INCURRED ONE FORCED OUTAGE IN JULY FOR REASONS STATED 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 (LER) (NUREG-0161)
			9-Other	

****
* BYRON 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....OGLE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI SW OF
ROCKFORD, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...FEBRUARY 2, 1985

DATE ELEC ENER 1ST GENER...MARCH 1, 1985

DATE COMMERCIAL OPERATE....SEPTEMBER 16, 1985

CONDENSER COOLING METHOD...CC MNDCT

CONDENSER COOLING WATER....ROCK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HINDS

LICENSING PROJ MANAGER.....L. OLSHAN
DOCKET NUMBER.....50-454

LICENSE & DATE ISSUANCE....NPF-37, FEBRUARY 14, 1985

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM MAY 17 THROUGH JUNE 30 (88009; 88009): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND A REGION-BASED INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; BULLETINS; GENERIC LETTERS; OPERATIONS SUMMARY; TRAINING; SPENT FUEL STORAGE RACKS; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY; AND EVENT FOLLOWUP. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 9 AREAS; 2 VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES FOR THE FIRE PROTECTION PROGRAM; FAILURE TO MAINTAIN AN AUXILIARY FEEDWATER PUMP OPERABLE DURING OPERATIONAL MODE CHANGES. HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED FOR THE SECOND VIOLATION.

INSPECTION BETWEEN JUNE 23 AND JULY 1 (88010; 88010): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS-SECURITY; SECURITY PROGRAM AUDITS; TESTING AND MAINTENANCE; VITAL AREA-BARRIERS AND ALARMS; COMPENSATORY MEASURES; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE EFFECTIVENESS OF THE TRANSITION PROCESS FOR THE CHANGE IN THE CONTRACTOR SECURITY FORCE WAS ALSO REVIEWED. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED, EXCEPT AS NOTED BELOW: ACCESS CONTROL VEHICLES: THE DESIGNATED VEHICLE PROGRAM WAS NOT ADEQUATELY MONITORED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

LOW LEVEL OF ROCK RIVER NECESSITATES PERIODIC MONITORING OF RIVER FLOW IN SUPPORT OF ULTIMATE HEAT SINK CONSIDERATIONS. LIMITED TO APPROXIMATELY 75% POWER BECAUSE TOTAL STATION OUTPUT DUE TO DISABLED GRID STABILITY TRIPS.

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: 07/01/88

INSPECTION REPORT NO: 88010

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-03	061388	072088	ESSENTIAL SERVICE WATER MAKEUP PUMP INOPERABLE GREATER THAN 72 HOURS DUE TO ERRONEOUS ELECTRICAL DISTRIBUTION DATA

1. Docket: 50-455 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: D. J. SPITZER (815)234-5441 X2023
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1175
6. Design Electrical Rating (Net MWe): 1120
7. Maximum Dependable Capacity (Gross MWe): 1120
8. Maximum Dependable Capacity (Net MWe): 1105
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): 1055
11. Reasons for Restrictions, If Any:
STEAM GENERATOR SPLIT FLOW

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	8,304.0
13. Hours Reactor Critical	707.3	5,017.9	7,345.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	700.5	4,767.2	7,047.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,041,982	13,802,725	20,274,888
18. Gross Elec Ener (MWH)	686,051	4,634,973	6,739,284
19. Net Elec Ener (MWH)	647,496	4,371,373	6,342,274
20. Unit Service Factor	94.2	93.3	84.9
21. Unit Avail Factor	94.2	93.3	84.9
22. Unit Cap Factor (MDC Net)	78.8	76.5	69.1
23. Unit Cap Factor (DER Net)	77.7	76.4	68.2
24. Unit Forced Outage Rate	5.8	3.2	5.9
25. Forced Outage Hours	43.5	156.2	444.2

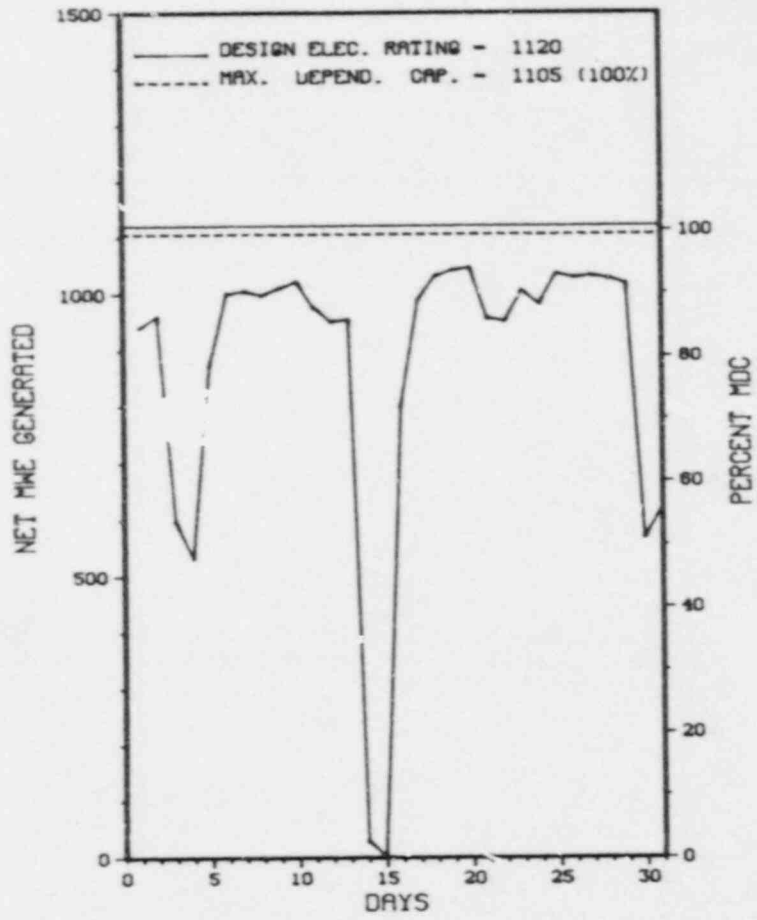
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - 1/7/89

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

****
* BYRON 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

BYRON 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	07/03/88	S	0.0	H	5				UNIT 2 RAMPED DOWN PER SPSO.
13	07/14/88	F	22.8	A	3		FW	2CFWPP	REACTOR TRIP DUE TO LOSS OF 2C FW PUMP ON LOSS OF 4KV BUS 243, AF ACTUATION.
14	07/15/88	F	20.7	A	3		FW	2FW039	VALVES FAILED TO OPEN CAUSING STEAM GENERATOR LEVEL TO DECREASE CAUSING REACTOR TRIP AT LO-LO SETPOINT.
15	07/30/88	S	0.0	H	5				LOAD REDUCED TO ALLOW CONDENSER CLEANING.

SUMMARY

BYRON 2 INCURRED TWO POWER REDUCTIONS AND TWO FORCED OUTAGES IN JULY FOR REASONS STATED 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)

****
* BYRON 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....OGLE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI SW OF
ROCKFORD, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 9, 1987

DATE ELEC ENER 1ST GENER...FEBRUARY 6, 1987

DATE COMMERCIAL OPERATE....AUGUST 21, 1987

CONDENSER COOLING METHOD...CCHNDCT

CONDENSER COOLING WATER....ROCK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HINDS

LICENSING PROJ MANAGER.....L. OLSHAN
DOCKET NUMBER.....50-455

LICENSE & DATE ISSUANCE....NPF-66, JANUARY 30, 1987

PUBLIC DOCUMENT ROOM.....LIBRARIAN
BUSINESS SCIENCE & TECHNOLOGY DEPT.
ROCKFORD PUBLIC LIBRARY
215 NORTH WYMAN STREET
ROCKFORD, ILLINOIS 61101

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM MAY 17 THROUGH JUNE 30 (88009; 88009): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS AND A REGION-BASED INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; BULLETINS; GENERIC LETTERS; OPERATIONS SUMMARY; TRAINING; SPENT FUEL STORAGE RACKS; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY; AND EVENT FOLLOWUP. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 9 AREAS; 2 VIOLATIONS WERE IDENTIFIED IN THE REMAINING AREA (FAILURE TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES FOR THE FIRE PROTECTION PROGRAM; FAILURE TO MAINTAIN AN AUXILIARY FEEDWATER PUMP OPERABLE DURING OPERATIONAL MODE CHANGES. HOWEVER, IN ACCORDANCE WITH 10 CFR 2, APPENDIX C, SECTION V.G.1, A NOTICE OF VIOLATION WAS NOT ISSUED FOR THE SECOND VIOLATION.

INSPECTION BETWEEN JUNE 23 AND JULY 1 (88010; 88010): INCLUDED A REVIEW OF MANAGEMENT EFFECTIVENESS-SECURITY; SECURITY PROGRAM AUDITS; TESTING AND MAINTENANCE; VITAL AREA-BARRIERS AND ALARMS; COMPENSATORY MEASURES; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE EFFECTIVENESS OF THE TRANSITION PROCESS FOR THE CHANGE IN THE CONTRACTOR SECURITY FORCE WAS ALSO REVIEWED. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED, EXCEPT AS NOTED BELOW: ACCESS CONTROL VEHICLES: THE DESIGNATED VEHICLE PROGRAM WAS NOT ADEQUATELY MONITORED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

CHANGE NRC RESIDENT TO P BROCHMAN

PLANT STATUS:

LAST IE SITE INSPECTION DATE: 07/01/88

INSPECTION REPORT NO: 88010

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-08	071488	080988	NON-SAFETY RELATED BUS DE-ENERGIZED BY OPENING OF WRONG BREAKER RESULTING IN A REACTOR TRIP
88-69	061588	060288	2B DIESEL GENERATOR INOPERABLE DUE TO VOLTAGE CONTROL PROBLEMS

1. Docket: 50-483 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: MARY DALY (314) 676-8460

4. Licensed Thermal Power (MWt): 3565

5. Nameplate Rating (Gross MWe): 1373 X .9 = 1236

6. Design Electrical Rating (Net MWe): 1171

7. Maximum Dependable Capacity (Gross MWe): 1174

8. Maximum Dependable Capacity (Net MWe): 1120

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	31,693.5
13. Hours Reactor Critical	744.0	4,704.3	26,702.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,551.0	26,106.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,624,336	15,898,058	84,187,838
18. Gross Elec Ener (MWH)	889,139	5,410,093	28,451,813
19. Net Elec Ener (MWH)	848,646	5,149,904	27,039,580
20. Unit Service Factor	100.0	91.0	82.4
21. Unit Avail Factor	100.0	91.0	82.4
22. Unit Cap Factor (MDC Net)	101.8	90.0	76.2
23. Unit Cap Factor (DER Net)	97.4	86.0	72.9
24. Unit Forced Outage Rate	.0	4.9	4.2
25. Forced Outage Hours	.0	240.6	1,144.1

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

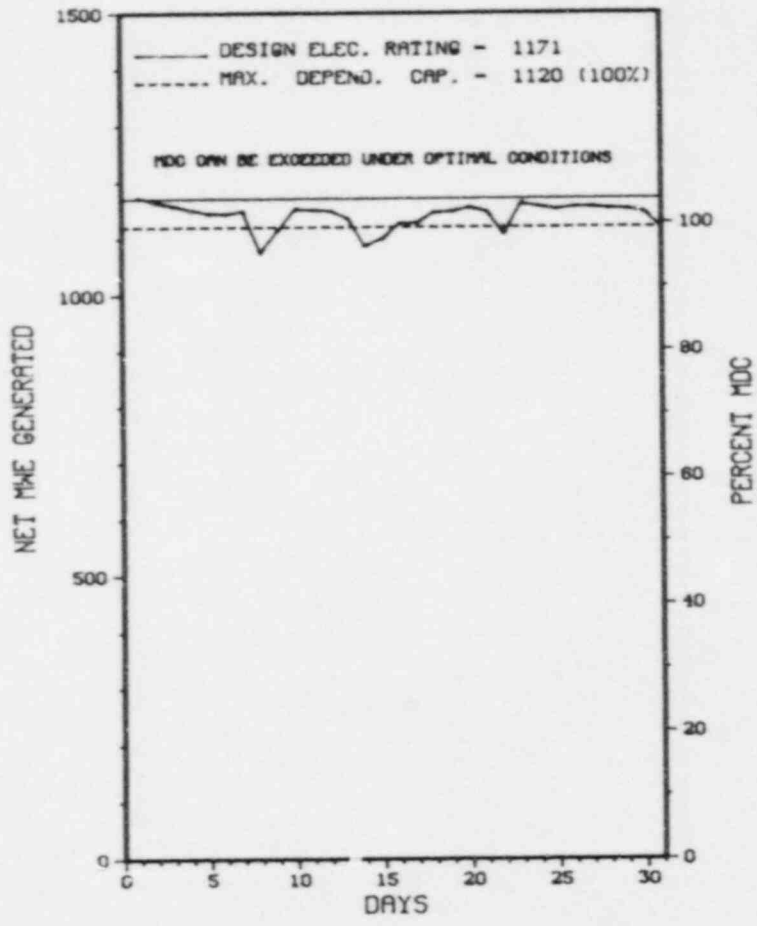
NONE

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

****
* CALLAWAY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



'LY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CALLAWAY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	07/08/88	F	0.0	A	5				TURBINE RUNBACK DUE TO 'B' CIRCULATING WATER PUMP TRIP ON HIGH STATOR TEMPERATURE.
15	07/21/88	S	0.0	A	5				DERATE TO REPAIR SEAL RETURN LINE ON THE 'B' CONDENSATE PUMP.

SUMMARY

CALLAWAY 1 INCURRED TWO POWER REDUCTIONS IN JULY FOR REASONS STATED 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)

****
* CALLAWAY 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MISSOURI

COUNTY.....CALLAWAY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
FULTON, MO

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 2, 1984

DATE ELEC ENER 1ST GENER...OCTOBER 24, 1984

DATE COMMERCIAL OPERATE....DECEMBER 19, 1984

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....UNION ELECTRIC

CORPORATE ADDRESS.....P.O. BOX 149
ST LOUIS, MISSOURI 63166

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. LITTLE

LICENSING PROJ MANAGER.....T. ALEXION
DOCKET NUMBER.....50-483

LICENSE & DATE ISSUANCE....NPF-30, OCTOBER 13, 1984

PUBLIC DOCUMENT ROOM.....WASHINGTON UNIVERSITY
JOHN M. OLIN LIBRARY
SKINKER & LINDELL BLVD.
ST. LOUIS, MO. 63130

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 6-9 (88009): SPECIAL ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE CALLAWAY PLANT EMERGENCY PREPAREDNESS PROGRAM: EMERGENCY RESPONSE FACILITY APPRAISAL; REVIEW OF RADIOACTIVE RELEASE ASSESSMENT AND REVIEWS OF THE DESIGN AND OPERATION OF THE TECHNICAL SUPPORT CENTER AND EMERGENCY OPERATIONS FACILITY (IP 82412). THE INSPECTION INVOLVED ONE NRC INSPECTOR AND THREE CONTRACTOR PERSONNEL. THE EMERGENCY RESPONSE FACILITIES OF THE LICENSEE WERE FOUND TO BE ADEQUATE WITH THE EXCEPTION OF TWO OPEN ITEMS. NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: 05/25/88

INSPECTION REPORT NO: 88013

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-08	063088	072888	SAMPLING NOT PERFORMED FOR AN INOPERBLE RADIATION MONITOR DUE TO A CIRCUIT BOARD FAILURE THAT PREVENTED DETECTION OF THE CONDITION

1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. BEHNKE (301) 260-4871

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 880

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

		MONTH	YEAR	CUMULATIVE
12.	Report Period Hrs	744.0	5,111.0	116,004.0
13.	Hours Reactor Critical	691.8	3,070.1	89,457.3
14.	Rx Reserve Shtdwn Hrs	.0	.0	2,299.2
15.	Hrs Generator On-Line	608.3	2,959.6	87,412.5
16.	Unit Reserve Shtdwn Hrs	.0	.0	.0
17.	Gross Therm Ener (MWH)	1,443,521	7,543,066	219,617,784
18.	Gross Elec Ener (MWH)	474,746	2,526,226	72,741,827
19.	Net Elec Ener (MWH)	451,157	2,418,888	69,434,405
20.	Unit Service Factor	81.8	57.9	75.4
21.	Unit Avail Factor	81.8	57.9	75.4
22	Unit Cap Factor (MDC Net)	73.5	57.4	72.6
23.	Unit Cap Factor (DER Net)	68.9	55.0	68.0
24.	Unit Forced Outage Rate	10.0	3.1	9.1
25.	Forced Outage Hours	67.6	93.2	8,675.4

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

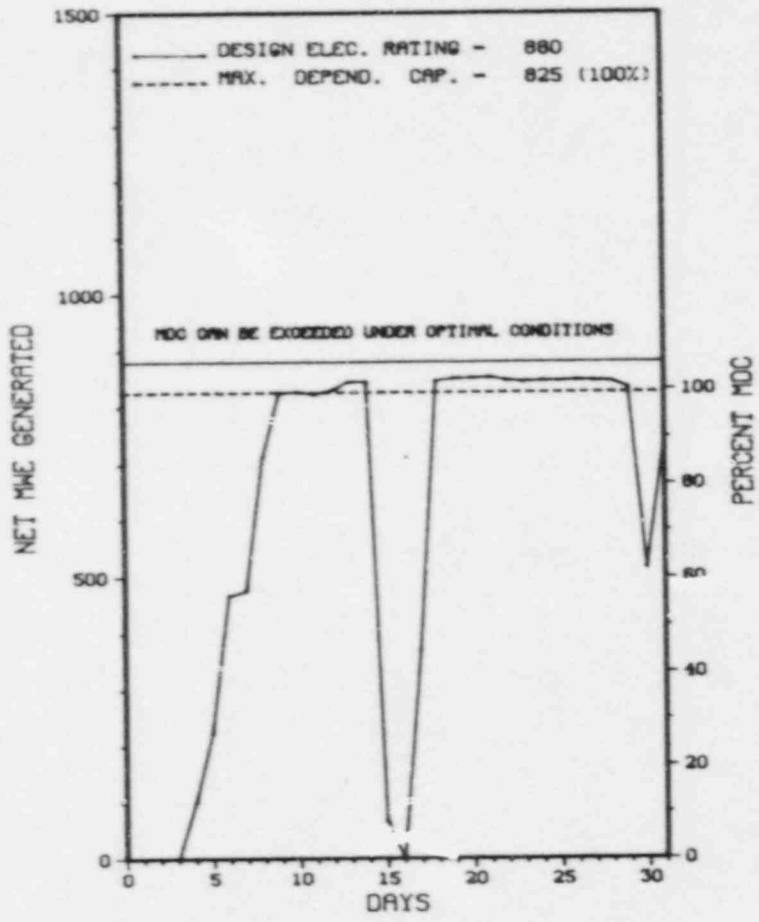
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/09/88	S	65.9	C	4				CONTINUED SHUTDOWN FOR REFUELING OPERATIONS.
88-06	07/03/88	F	13.3	H	9		HA	MECFUN	BREAKER OPENED DUE TO TURBINE BEARING #11 HIGH VIBRATION. CORRECTED BY REMOVING RUBBER SPACERS INSTALLED IN COUPLING PER GENERAL ELECTRIC T.I.L. #815(8/31/76).
88-07	07/04/88	S	2.2	B	1				BREAKER OPENED FOR SCHEDULED TURBINE OVERSPEED TESTING.
88-08	07/15/88	F	54.3	B	3	88-006	HH	INSTRU	TRIP CAUSED BY IMPROPERLY ISOLATED LEVEL SWITCHES ON #12C FEEDWATER HEATER DUE TO UNCLEAR MAINTENANCE PROCEDURE INSTRUCTIONS.
88-09	07/29/88	F	0.0	B	5		WE	HTEXCH	REDUCED POWER TO CLEAN WATERBOXES AND REPAIR OIL LEAKS ON #12 S/G FEED PUMP.

SUMMARY

CALVERT CLIFFS 1 ENTERED JULY SHUTDOWN FOR REFUELING OPERATIONS. SUBSEQUENTLY, RETURNED TO POWER AND INCURRED 3 OUTAGES AND ONE LOAD REDUCTION DURING THE MONTH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 7, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 30, 1974

DATE COMMERCIAL OPERATE....MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....D. TRIMBLE

LICENSING PROJ MANAGER.....S. MCNEIL
DOCKET NUMBER.....50-317

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-318 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. BEHNKE (301) 260-4871

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	99,359.0
13. Hours Reactor Critical	744.0	4,154.1	81,997.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,296.8
15. Hrs Generator On-Line	744.0	4,142.2	80,822.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,991,386	10,986,459	204,327,122
18. Gross Elec Ener (MWH)	653,263	3,681,386	67,569,522
19. Net Elec Ener (MWH)	626,084	3,532,669	64,521,566
20. Unit Service Factor	100.0	81.0	81.3
21. Unit Avail Factor	100.0	81.0	81.3
22. Unit Cap Factor (MDC Net)	102.0	83.8	78.7
23. Unit Cap Factor (DER Net)	99.6	81.8	76.8
24. Unit Forced Outage Rate	.0	3.2	5.5
25. Forced Outage Hours	.0	135.1	4,707.6

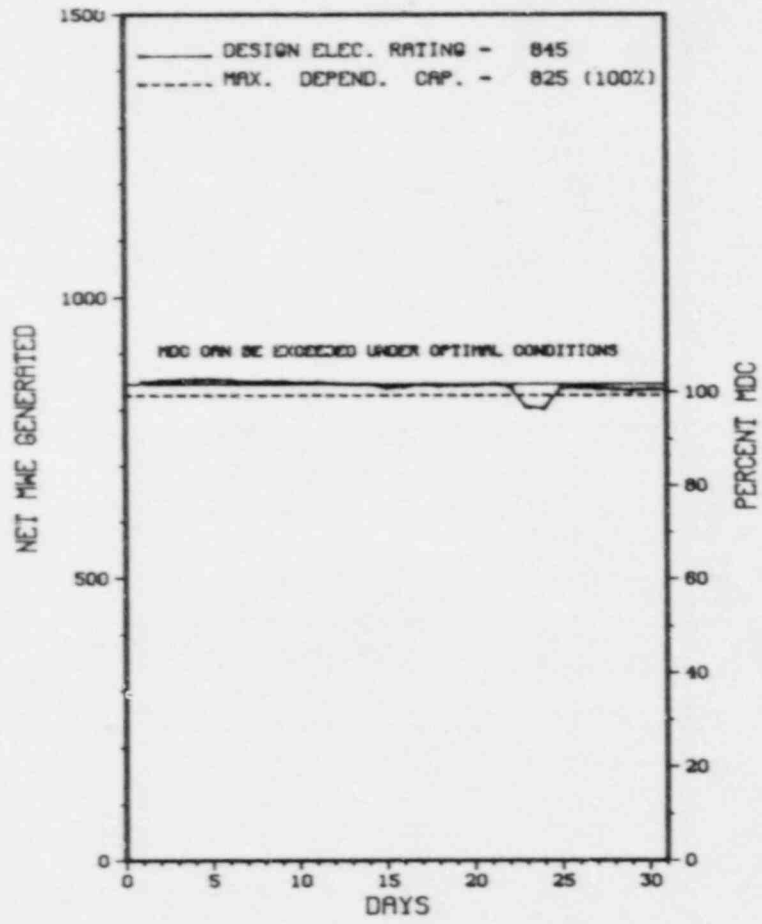
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

CALVERT CLIFFS 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 2

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

NONE

SUMMARY

CALVERT CLIFFS 2 OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 30, 1976

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

DATE COMMERCIAL OPERATE....APRIL 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....D. TRIMBLE

LICENSING PROJ MANAGER.....S. MCNEIL
DOCKET NUMBER.....50-318

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

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

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: 50-413 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1145

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1129

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

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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	5,111.0	27,096.0
13. Hours Reactor Critical	744.0	4,824.8	19,938.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,781.6	19,380.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,448,271	15,584,778	61,639,642
18. Gross Elec Ener (MWH)	862,849	5,527,202	21,618,324
19. Net Elec Ener (MWH)	816,381	5,220,787	20,221,632
20. Unit Service Factor	100.0	93.6	71.5
21. Unit Avail Factor	100.0	93.6	71.5
22. Unit Cap Factor (MDC Net)	97.2	90.5	66.1
23. Unit Cap Factor (DER Net)	95.8	89.2	65.2
24. Unit Forced Outage Rate	.0	6.4	15.6
25. Forced Outage Hours	.0	328.9	3,588.0

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

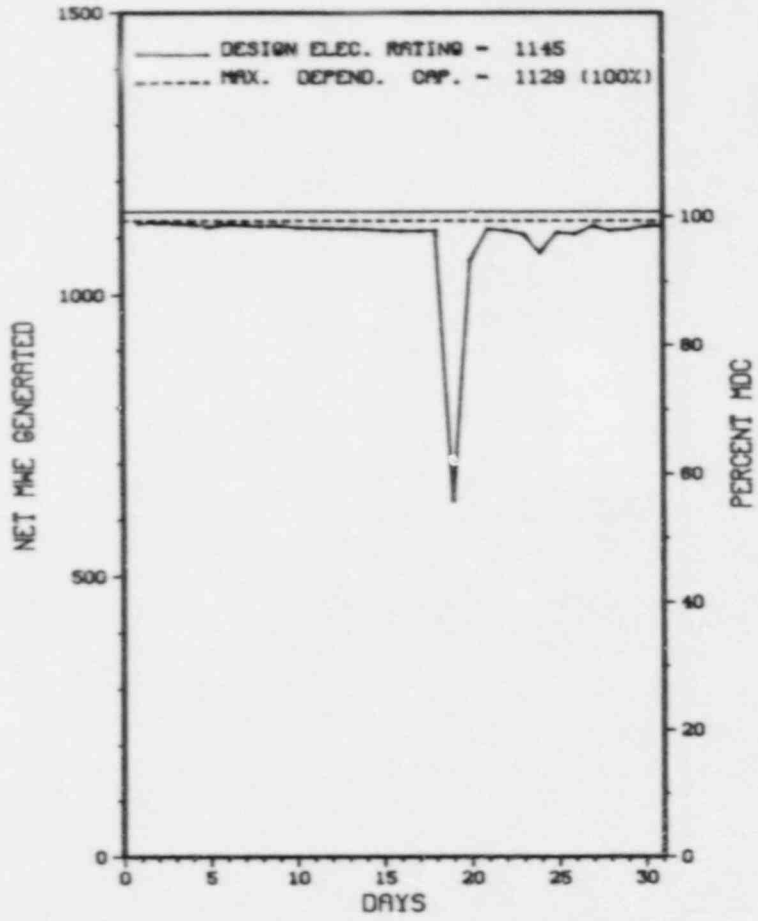
REFUELING - NOVEMBER 21, 1988 - 8 WEEK DURATION.

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

****
* CATAWBA 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CATAWBA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
40-P	07/19/88	F	0.0	F	5		HG	XXXXXX	FEEDWATER SYSTEM CHEMISTRY OUT OF SPEC.
41-P	07/19/88	F	0.0	F	5		HG	XXXXXX	FEEDWATER SYSTEM CHEMISTRY OUT OF SPEC.
42-P	07/19/88	F	0.0	F	5		HG	XXXXXX	FEEDWATER CHEMISTRY OUT OF SPEC.
43-P	07/19/88	F	0.0	H	5		HH	PUMPXX	HOLD POWER TO PLACE '1A' FEEDWATER PUMP IN SERVICE.
44-P	07/19/88	S	0.0	B	5		IF	XXXXXX	ADJUSTMENT OF [illegible] FLUX TRIP SETPOINT.
45-P	07/20/88	S	0.0	B	5		IE	INSTRU	NUCLEAR INSTRUMEN[illegible] ON CALIBRATION.
46-P	07/23/88	F	0.0	A	5		HJ	PUMPXX	REDUCE POWER TO REMOVE '1C2' HEATER DRAIN PUMP FROM SERVICE.
47-P	07/24/88	F	0.0	A	5		HJ	VALVEX	REDUCE POWER DUE TO '1C2' HEATER DRAIN PUMP RECIRC CONTROL VALVE CYCLING.
48-P	07/26/88	F	0.0	A	5		HJ	CKTBKR	REDUCTION DUE TO '1C2' HEATER DRAIN PUMP BREAKER FAILURE.

SUMMARY

CATAWBA 1 INCURRED SEVERAL LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

****
* CATAWBA 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI NNW OF
ROCK HILL, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 7, 1985

DATE ELEC ENER 1ST GENER...JANUARY 22, 1985

DATE COMMERCIAL OPERATE....JUNE 29, 1985

CONDENSER COOLING METHOD...MDCT

CONDENSER COOLING WATER....LAKE WYLIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....P. SKINNER

LICENSING PROJ MANAGER.....K. JABBOUR
DOCKET NUMBER.....50-413

LICENSE & DATE ISSUANCE....NPF-35, JANUARY 17, 1985

PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
138 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 26 - JUNE 25 (88-22): THIS ROUTINE, RESIDENT INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; REVIEW OF LICENSEE NONROUTINE EVENT REPORTS; AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. LICENSEE PROGRAMS COVERED BY THIS INSPECTION WERE OBSERVED TO BE ADEQUATE. WITHIN THE AREAS INSPECTED THE FOLLOWING VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW REQUIREMENTS FOR OVERTIME. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING POTENTIAL INADEQUATE VENTING OF ECCS SYSTEMS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-413/88-28 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-414 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-7567
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1305
6. Design Electrical Rating (Net MWe): 1145
7. Maximum Dependable Capacity (Gross MWe): 1145
8. Maximum Dependable Capacity (Net MWe): 1129
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	17,112.0
13. Hours Reactor Critical	645.0	2,897.4	11,503.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	608.8	2,734.7	11,079.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,892,358	7,754,761	33,482,254
18. Gross Elec Ener (MWH)	659,346	2,696,799	11,773,827
19. Net Elec Ener (MWH)	616,379	2,474,765	10,941,462
20. Unit Service Factor	81.8	53.5	64.7
21. Unit Avail Factor	81.8	53.5	64.7
22. Unit Cap Factor (MDC Net)	73.4	42.9	56.6
23. Unit Cap Factor (DER Net)	72.4	42.3	55.8
24. Unit Forced Outage Rate	18.2	21.4	27.2
25. Forced Outage Hours	135.2	743.8	4,137.8

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

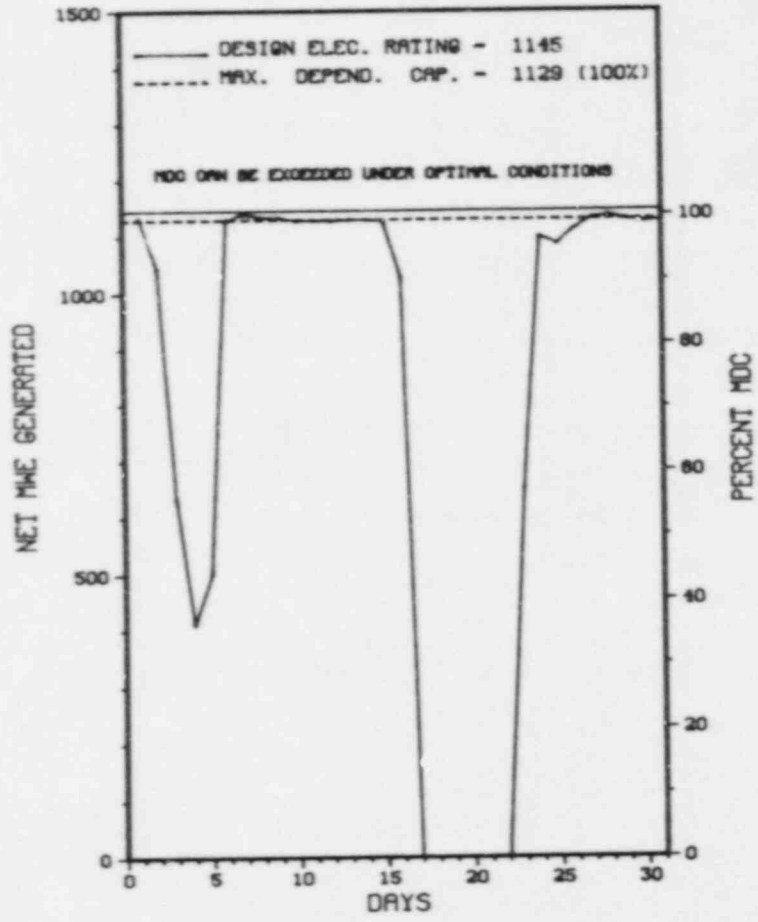
NONE

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

****
* CATAWBA 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CATAWBA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
67-P	07/01/88	F	0.0	A	5		HJ	PUMPXX	REDUCE POWER FOR REMOVAL OF '2C2' HEATER DRAIN PUMP FROM SERVICE FOR REPAIRS.
68-P	07/02/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST
69-P	07/05/88	S	0.0	B	5		IE	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
70-P	07/06/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST.
71-P	07/16/88	F	0.0	A	5		CG	PUMPXX	HYDROGEN BUBBLE IN CENTRIFUGAL CHARGING PUMP '2A'.
16	07/17/88	F	134.6	A	2		CG	PUMPXX	CENTRIFUGAL CHARGING PUMP REPAIR.
17	07/22/88	F	0.6	A	3		EE	CKTBKR	GENERATOR BREAKER TRIP DUE TO SPURIOUS ANTI-MOTORING RELAY ACTUATION.
72-P	07/23/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST.
73-P	07/23/88	S	0.0	B	5		IE	INSTRU	HOLDING POWER FOR NUCLEAR INSTRUMENTATION CALIBRATION.
74-P	07/23/88	S	0.0	B	5		HB	VALVEX	HOLDING POWER FOR CONTROL VALVE MOVEMENT TEST.
77-P	07/24/88	F	0.0	A	5		HJ	PUMPXX	REDUCTION DUE TO '2C1' HEATER DRAIN PUMP SEAL REPLACEMENT.
78-P	07/25/88	S	0.0	B	5		HB	VALVEX	POWER REDUCTION DUE TO CONTROL VALVE MOVEMENT TEST.

SUMMARY

CATAWBA 2 INCURRED TWO FORCED OUTAGES AND SEVERAL LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

****
* CATAWBA 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI NNW OF
ROCK HILL, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 8, 1986

DATE ELEC ENER 1ST GENER...MAY 18, 1986

DATE COMMERCIAL OPERATE....AUGUST 19, 1986

CONDENSER COOLING METHOD...HNDCT

CONDENSER COOLING WATER....LAKE WYLIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....P. SKINNER

LICENSING PROJ MANAGER.....K. JABBOUR
DOCKET NUMBER.....50-414

LICENSE & DATE ISSUANCE....NPF-52, MAY 15, 1986

PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
138 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 26 - JUNE 25 (88-22): THIS ROUTINE, RESIDENT INSPECTION WAS CONDUCTED ON SITE INSPECTING IN THE AREAS OF REVIEW OF PLANT OPERATIONS; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; REVIEW OF LICENSEE NONROUTINE EVENT REPORTS; AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. LICENSEE PROGRAMS COVERED BY THIS INSPECTION WERE OBSERVED TO BE ADEQUATE. WITHIN THE AREAS INSPECTED THE FOLLOWING VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW REQUIREMENTS FOR OVERTIME. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING POTENTIAL INADEQUATE VENTILATING OF ECCS SYSTEMS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NONE.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-414/88-25 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-019	05/27/88	06/27/88	REACTOR TRIP DUE TO OPERATOR AID COMPUTER TRAINING AND SOFTWARE DEFICIENCIES
88-020	05/28/88	06/27/88	MANUAL REACTOR TRIP DURING UNIT FAST RECOVERY CAUSED BY LOSS OF AUTOMATIC FEEDWATER CONTROL TO STEAM GENERATOR 2C DUE TO APPARENT CONTROL MALFUNCTION
88-022	06/06/88	07/06/88	REACTOR TRIP DUE TO A POSSIBLE INSTALLATION DEFICIENCY RESULTING IN A FUSE FAILURE

1. Docket: 50-461 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: F.A. SPANGENBERG (217)935-8881 X3400
4. Licensed Thermal Power (MWt): 2894
5. Nameplate Rating (Gross MWe):
6. Design Electrical Rating (Net MWe): 933
7. Maximum Dependable Capacity (Gross MWe): 933
8. Maximum Dependable Capacity (Net MWe): 930
9. If Changes Occur Above Since Last Report, Give Reasons:

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	6,009.3
13. Hours Reactor Critical	716.5	3,997.0	4,897.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	710.2	3,897.7	4,796.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,879,592	12,414,795	12,560,295
18. Gross Elec Ener (MWH)	611,611	3,459,858	4,167,508
19. Net Elec Ener (MWH)	582,150	3,292,230	3,974,333
20. Unit Service Factor	95.5	76.3	79.8
21. Unit Avail Factor	95.5	76.3	79.8
22. Unit Cap Factor (MDC Net)	84.1	69.2	71.1
23. Unit Cap Factor (DER Net)	83.9	69.0	70.9
24. Unit Forced Outage Rate	4.5	4.4	3.6
25. Forced Outage Hours	33.8	180.8	180.8

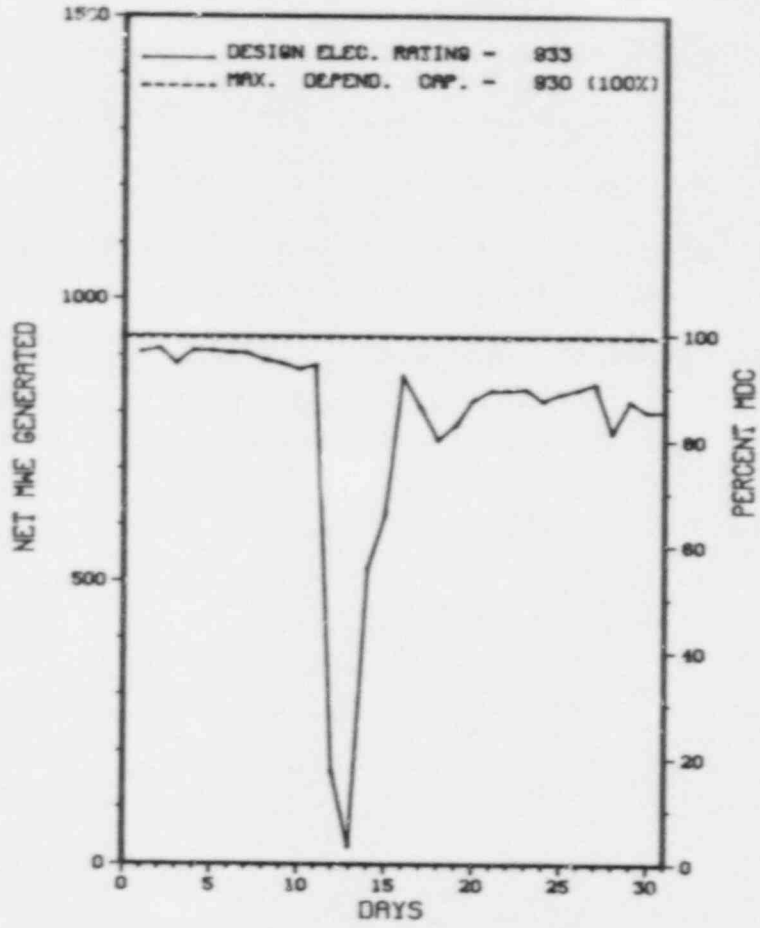
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUEL OUTAGE, 01/03/89, 69 DAY DURATION.

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

****
* CLINTON 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CLINTON 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

CLINTON 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
17	07/12/88	F	33.8	A	2				A FAILURE OF ELECTRICAL COMPONENTS IN THE CONDENSER PIT HIGH WATER LEVEL PUMP TRIP CIRCUIT CAUSED ALL THREE CIRCULATING WATER PUMPS TO TRIP EVEN THOUGH NO HIGH LEVEL EXISTED. THE LOSS OF CIRCULATING WATER TO THE CONDENSER CAUSED CONDENSER VACUUM TO DECREASE RAPIDLY PROMPTING THE REACTOR OPERATOR TO MANUALLY SCRAM THE REACTOR.
18	07/28/88	F	0.0	G	5				LOST FEED WATER HEATERS 1A, 2A, 3A, 4A, 5A, 6A, AND 6B DUE TO ATTEMPTING TO CHANGE LEVEL CONTROL OF FLASH TANK 1A FROM NORMAL TO EMERGENCY CONTROL FOR CONTROL AND INSTRUMENTATION WORK ON THE FLASH TANK VALVE CONTROLLER. REDUCED POWER TO APPROXIMATELY 70% TO COMPENSATE FOR THE REDUCED FEED WATER TEMPERATURE.

SUMMARY

CLINTON 1 INCURRED ONE POWER REDUCTION AND ONE FORCED OUTAGE IN JULY FOR REASONS STATED 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)

****
* CLINTON 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....DE WITT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI E OF
CLINTON, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 27, 1987

DATE ELEC ENER 1ST GENER...APRIL 24, 1987

DATE COMMERCIAL OPERATE....NOVEMBER 24, 1987

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SALT CREEK

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ILLINOIS POWER

CORPORATE ADDRESS.....500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR..... .BALDWIN ASSOCIATES

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....?. HILAND

LICENSING PROJ MANAGER.....J. STEVENS
DOCKET NUMBER.....50-461

LICENSE & DATE ISSUANCE....NPF-62, APRIL 17, 1987

PUBLIC DOCUMENT ROOM.....VESPASIAN WARNER PUBLIC LIBRARY
120 WEST JOHNSON ST.
CLINTON, IL. 61727

INSPECTION STATUS

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

OTHER ITEMS

NONE

PLANT STATUS:

RETURNED TO POWER FOLLOWING A PLANNED EXTENDED MAINTENANCE OUTAGE. PLANT IS IN NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: 07/06/88

INSPECTION REPORT NO: 88015

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-17	062488	072688	OXIDATION BUILDUP ON THE CONTACTS OF A STARTUP LEVEL CONTROLLER RELAY CAUSES LOSS OF CONTROL SIGNAL AND RESULTS IN REACTOR SCRAM DURING REACTOR FEEDWATER PUMP SHIFT
88-18	061388	080688	PUMP ROOM COOLING FAN LEFT SHUTDOWN FOLLOWING SURVEILLANCE DUE TO IN SUFFICIENT REVIEW OF TAG-OUT INSTRUCTIONS RENDERS THE HIGH PRESSURE CORE SPRAY SYSTEM INOPERABLE

1. Docket: 50-315 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: HIRSCH (616) 465-5901

4. Licensed Thermal Power (MWt): 3250

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

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

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

NONE

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

11. Reasons for Restrictions, If Any:

ADMINISTRATIVE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	119,063.0
13. Hours Reactor Critical	744.0	5,058.3	86,895.0
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	744.0	5,042.0	85,263.4
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	2,182,564	14,497,913	247,489,283
18. Gross Elec Ener (MWH)	694,150	4,700,190	80,844,860
19. Net Elec Ener (MWH)	667,090	4,517,257	77,748,255
20. Unit Service Factor	100.0	98.7	72.9
21. Unit Avail Factor	100.0	98.7	72.9
22. Unit Cap Factor (MDC Net)	87.9	86.7	65.1
23. Unit Cap Factor (DER Net)	87.1	85.8	63.0
24. Unit Forced Outage Rate	.0	.5	7.9
25. Forced Outage Hours	.0	26.5	6,644.7

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

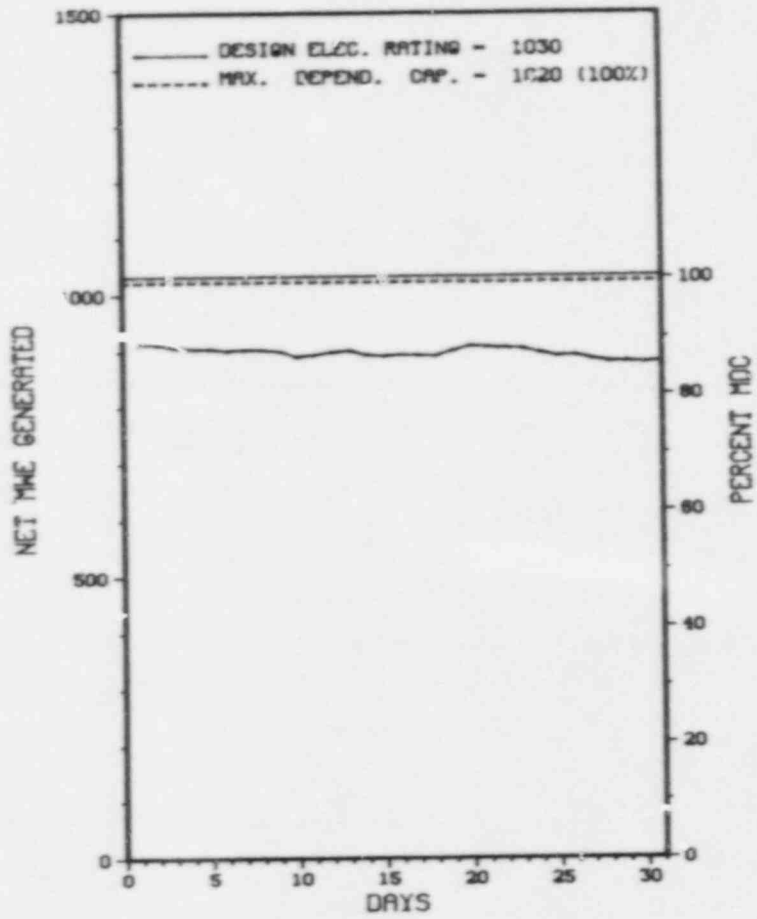
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

COOK 1

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

SUMMARY

COOK 1 OPERATED RCUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS WHILE OPERATING AT AN ADMINISTRATIVE POWER LIMIT OF 90%.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Main' 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 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 18, 1975

DATE ELEC ENER 1ST GENER...FEBRUARY 10, 1975

DATE COMMERCIAL OPERATE....AUGUST 27, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA MICHIGAN POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....AMERICAN ELEC. POWER SERVICE CORP.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. JORGENSEN

LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-315

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

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

INSPECTION STATUS

INSPECTION SUMMARY

RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PLANT OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE; SURVEILLANCE; FIRE PROTECTION; SECURITY; OUTAGES; REPORTABLE EVENTS; BULLETINS AND NOTICES; NRC REGION III REQUESTS; TRAINING AND QUALIFICATION EFFECTIVENESS; MANAGEMENT MEETING; AND MEETING AMONG NRC AND COMMUNITY LEADERS. ONE SAFETY ISSUES MANAGEMENT SYSTEM (SIMS) ITEM (BULLETIN 88-01, MULTI-PLANT ACTION MPA NO. B100) WAS REVIEWED DURING THIS INSPECTION. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 13 AREAS. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURE) IN THE REMAINING AREA. MISCELLANEOUS MAJOR WEAKNESSES WERE NOTED WHICH HAD IN COMMON THE FACT THEY INVOLVED CLEANLY "WRAPPING UP" ACTIVITIES (E.G., COMPLETE/ACCURATE PAPERWORK, JOBSITE CLEANUP AND HURRYING AT STEP-OFF PADS). A STRENGTH NOTED DURING THE INSPECTION WAS TIMELY MANAGEMENT INVOLVEMENT IN ITEMS IDENTIFIED AS PROBLEMS OR POTENTIAL PROBLEMS, SUCH AS ALARA REEXAMINATION OF ONGOING JOBS, THOROUGH UPGRADE OF A WEAK MAINTENANCE PROCEDURE, AND STRONG PURSUIT OF MAINTENANCE OBSERVATIONS (PUMP BEARING/OIL) AND TESTING QUESTIONS (THIMBLE TUBES, SEISMIC MONITORS, AND TREVITEST METHOD).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY THE D.C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT DESIGN CONTROL MEASURES BE PROVIDED FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, INCLUDING DESIGN CHANGES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ENSURE THAT ADEQUATE DESIGN CONTROL MEASURES WERE PROVIDED AS FOLLOWS: (A) THE LICENSEE FAILED TO PERFORM ADEQUATE INITIAL DESIGN REVIEWS REGARDING ELECTRICAL ISOLATION BETWEEN THE LOCAL SHUTDOWN AND INDICATION (LSI) PANELS.

ENFORCEMENT SUMMARY

CONSEQUENTLY, A LOCAL FIRE COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (B) THE LICENSEE IMPLEMENTED DESIGN CHANGES TO UNIT 1 (ON DECEMBER 29, 1987) AND TO UNIT 2 (ON DECEMBER 30, 1987) TO CORRECT DESIGN DEFICIENCIES ASSOCIATED WITH ELECTRICAL ISOLATION BETWEEN LSI PANELS (SEE VIOLATION A. ABOVE). DURING REVIEWS OF THESE DESIGN CHANGES, THE LICENSEE FAILED TO VERIFY THE COORDINATION BETWEEN THE LSI PANEL FEEDER BREAKER AND THE NEWLY INSTALLED FUSES. CONSEQUENTLY, A CIRCUIT FAULT COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (C) THE LICENSEE DISCOVERED (ON SEPTEMBER 17, 1987) DURING A SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) REVIEW, THAT A FUSE-BREAKER MISCOORDINATION EXISTED ON EACH SAFETY-RELATED 250 VDC BUS FOR BOTH UNITS. THUS, IN THE EVENT OF A FAULT IN CERTAIN BALANCE OF PLANT (BOP) CABLES, WHICH WOULD INVOLVE DISTRIBUTION PANELS FROM BOTH INDEPENDENT TRAINS, A LOSS OF CONTROL POWER ON BOTH INDEPENDENT TRAINS OF RELATED ESSENTIAL SAFETY SYSTEM (ESS) PANELS COULD HAVE OCCURRED. ESS LOADS THAT COULD HAVE BEEN AFFECTED WERE CERTAIN CONTAINMENT ISOLATION VALVES, REACTOR HEAD VENT VALVES, POST-ACCIDENT SAMPLING VALVES, AND STEAM GENERATOR STOP VALVE DUMP VALVES. 10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY THE D.C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT DESIGN CONTROL MEASURES BE PROVIDED FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN, INCLUDING DESIGN CHANGES. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ENSURE THAT ADEQUATE DESIGN CONTROL MEASURES WERE PROVIDED AS FOLLOWS: (A) THE LICENSEE FAILED TO PERFORM ADEQUATE INITIAL DESIGN REVIEWS REGARDING ELECTRICAL ISOLATION BETWEEN THE LOCAL SHUTDOWN AND INDICATION (LSI) PANELS. CONSEQUENTLY, A LOCAL FIRE COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (B) THE LICENSEE IMPLEMENTED DESIGN CHANGES TO UNIT 1 (ON DECEMBER 29, 1987) AND TO UNIT 2 (ON DECEMBER 30, 1987) TO CORRECT DESIGN DEFICIENCIES ASSOCIATED WITH ELECTRICAL ISOLATION BETWEEN LSI PANELS (SEE VIOLATION A. ABOVE). DURING REVIEWS OF THESE DESIGN CHANGES, THE LICENSEE FAILED TO VERIFY THE COORDINATION BETWEEN THE LSI PANEL FEEDER BREAKER AND THE NEWLY INSTALLED FUSES. CONSEQUENTLY, A CIRCUIT FAULT COULD HAVE OPENED THE FEEDER BREAKER WITHOUT ISOLATING THE FAULT BETWEEN THE LSI PANELS. THIS COULD HAVE LED TO THE LOSS OF ALL CONTROL ROOM T-HOT AND T-COLD TEMPERATURE INDICATION. (C) THE LICENSEE DISCOVERED (ON SEPTEMBER 17, 1987) DURING A SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) REVIEW, THAT A FUSE-BREAKER MISCOORDINATION EXISTED ON EACH SAFETY-RELATED 250 VDC BUS FOR BOTH UNITS. THUS, IN THE EVENT OF A FAULT IN CERTAIN BALANCE OF PLANT (BOP) CABLES, WHICH WOULD INVOLVE DISTRIBUTION PANELS FROM BOTH INDEPENDENT TRAINS, A LOSS OF CONTROL POWER ON BOTH INDEPENDENT TRAINS OF RELATED ESSENTIAL SAFETY SYSTEM (ESS) PANELS COULD HAVE OCCURRED. ESS LOADS THAT COULD HAVE BEEN AFFECTED WERE CERTAIN CONTAINMENT ISOLATION VALVES, REACTOR HEAD VENT VALVES, POST-ACCIDENT SAMPLING VALVES, AND STEAM GENERATOR STOP VALVE DUMP VALVES. (8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

THE ASSISTANT PLANT MANAGER, ENGINEERING IS ACTING FOR THE TECHNICAL SUPERINTENDENT, PHYSICAL SCIENCE RADIATION PROTECTION MANAGER

PLANT STATUS:

UNIT 1 OPERATED ROUTINELY THROUGHOUT THE MONTH.

LAST IE SITE INSPECTION DATE: 06/13/88

OTHER ITEMS

INSPECTION REPORT NO: 88014

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-04	060688	070588	USE OF IMPROPERLY ALIGNED TEST RECORDER RESULTS IN NUCLEAR INSTRUMEN TATION CHANNEL BEING OUT OF SPECIFICATION

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1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: HIRSCH (616) 465-5901

4. Licensed Thermal Power (MWt): 3411

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

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	92,759.0
13. Hours Reactor Critical	.0	2,715.5	53,587.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	2,715.1	62,210.3
16. Unit Reserve Shtdwn Hrs	.0	.0	2.2
17. Gross Therm Ener (MWH)	0	7,410,979	191,990,217
18. Gross Elec Ener (MWH)	0	2,419,600	61,896,040
19. Net Elec Ener (MWH)	0	2,323,265	59,586,746
20. Unit Service Factor	.0	53.1	68.9
21. Unit Avail Factor	.0	53.1	68.9
22. Unit Cap Factor (MDC Net)	.0	42.9	62.2
23. Unit Cap Factor (DER Net)	.0	41.3	60.7
24. Unit Forced Outage Rate	.0	.0	14.5
25. Forced Outage Hours	.0	.0	10,497.2

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

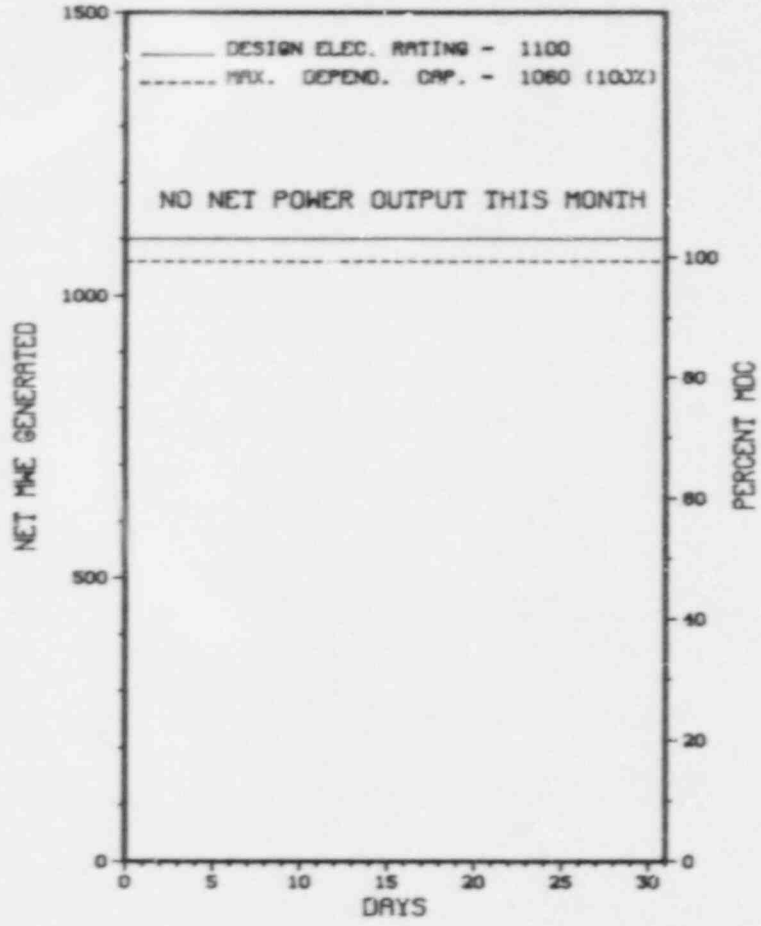
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

COOK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
189	04/23/88	S	744.0	C	4		ZZ	ZZZZZZ	THE UNIT WAS REMOVED FROM SERVICE ON 880423 FOR CYCLE 6-7 REFUELING AND THE STEAM GENERATOR REPAIR PROJECT. THE REACTOR CORE IS CURRENTLY UNLOADED. THE EXPECTED DATE FOR RETURN TO SERVICE IS FEBRUARY 1989.

SUMMARY

COOK 2 REMAINED SHUTDOWN IN JULY FOR SCHEDULED REFUELING AND STEAM GENERATOR 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)

****
* 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 POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

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

TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. JORGENSEN

LICENSING PROJ MANAGER.....J. STANG
DOCKET NUMBER.....50-316

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

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

INSPECTION STATUS

INSPECTION SUMMARY

RESIDENT INSPECTORS OF: ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PLANT OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE; SURVEILLANCE; FIRE PROTECTION; SECURITY; OUTAGES; REPORTABLE EVENTS; BULLETINS AND NOTICES; NRC REGION III REQUESTS; TRAINING AND QUALIFICATION EFFECTIVENESS; MANAGEMENT MEETING; AND MEETING AMONG NRC AND COMMUNITY LEADERS. ONE SAFETY ISSUES MANAGEMENT SYSTEM (SIMS) ITEM (BULLETIN 88-01, MULTI-PLANT ACTION MPA NO. B100) WAS REVIEWED DURING THIS INSPECTION. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 13 AREAS. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURE) IN THE REMAINING AREA. MISCELLANEOUS MAJOR WEAKNESSES WERE NOTED WHICH HAD IN COMMON THE FACT THEY INVOLVED CLEANLY "WRAPPING UP" ACTIVITIES (E.G., COMPLETE/ACCURATE PAPERWORK, JOBSITE CLEANUP AND HURRYING AT STEP-OFF PADS). A STRENGTH NOTED DURING THE INSPECTION WAS TIMELY MANAGEMENT INVOLVEMENT IN ITEMS IDENTIFIED AS PROBLEMS OR POTENTIAL PROBLEMS, SUCH AS ALARA REEXAMINATION OF ONGOING JOBS, THOROUGH UPGRADE OF A WEAK MAINTENANCE PROCEDURE, AND STRONG PURSUIT OF MAINTENANCE OBSERVATIONS (PUMP BEARING/OIL) AND TESTING QUESTIONS (THIMBLE TUBES, SEISMIC MONITORS, AND TREVITEST METHOD).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION III AS COMMITTED TO IN THE QUALITY ASSURANCE PROGRAM DESCRIPTION FOR THE DONALD C. COOK NUCLEAR POWER PLANT REQUIRES THAT DESIGN CONTROL MEASURES SHALL PROVIDE FOR VERIFYING OR CHECKING THE ADEQUACY OF DESIGN. CONTRARY TO THE ABOVE, THE SUBSTITUTION OF WELD MATERIAL UTILIZED FOR THE CHEMICAL AND VOLUME CONTROL SYSTEM CROSS-TIE MODIFICATION DID NOT RECEIVE AN ADEQUATE ENGINEERING REVIEW IN THAT THE SPECIFIED ASME CODE ALLOWABLE STRESS LIMITS WERE NOT CONSIDERED. TECHNICAL

ENFORCEMENT SUMMARY

SPECIFICATION SURVEILLANCE REQUIREMENT 4.3.1.1.1 REQUIRES THAT EACH REACTOR TRIP SYSTEM INSTRUMENTATION CHANNEL SHALL BE DEMONSTRATED BY THE PERFORMANCE OF A CHANNEL CHECK FOR THE MODES AND AT THE FREQUENCIES SHOWN IN TABLE 4.3-1. TABLE 4.3-1 "REACTOR TRIP SYSTEM INSTRUMENTATION SURVEILLANCE REQUIREMENTS" REQUIRES THAT A CHANNEL CHECK OF THE POWER RANGE NEUTRON FLUX INSTRUMENTS AT LEAST ONCE PER 12 HOURS WHEN IN MODES 1 OR 2 AND WHEN THE REACTOR TRIP SYSTEM BREAKERS ARE CLOSED AND THE CONTROL ROD DRIVE SYSTEM IS CAPABLE OF ROD WITHDRAWAL. CONTRARY TO THE ABOVE, DURING JUNE 26, 1984 THROUGH JUNE 29, 1986, AND AGAIN DURING APRIL 16, 1987 THROUGH APRIL 20, 1987, THE LICENSEE FAILED TO PERFORM THE CHANNEL CHECKS AT THE REQUIRED 12 HOUR FREQUENCY WHILE UNIT 2 WAS IN MODE 3 WITH THE REACTOR TRIP SYSTEM BREAKERS CLOSED AND THE CONTROL ROD DRIVE SYSTEM CAPABLE OF ROD WITHDRAWAL. THE LONGEST INTERVAL WHERE A CHANNEL CHECK WAS NOT PERFORMED AS REQUIRED WAS 35 HOURS. (8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT CONTINUED IN AN OUTAGE THAT BEGAN 4/23/88 FOR S/G REPLACEMENT.

LAST IE SITE INSPECTION DATE: 06/13/88

INSPECTION REPORT NO: 88016

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-07	122488	071488	USE OF INCORRECT ISI REFERENCE VALUES DUE TO PERSONNEL ERROR RESULTS IN LITERAL VIOLATION OF TECHNICAL SPECIFICATION ACTION STATEMENT

1. Docket: 50-298 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	123,480.0
13. Hours Reactor Critical	715.7	2,344.4	92,351.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	703.4	2,279.5	90,823.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,569,408	4,709,040	179,339,747
18. Gross Elec Ener (MWH)	511,452	1,542,966	57,602,047
19. Net Elec Ener (MWH)	498,861	1,494,998	55,523,622
20. Unit Service Factor	94.5	44.6	73.6
21. Unit Avail Factor	94.5	44.6	73.6
22. Unit Cap Factor (MDC Net)	87.8	38.3	58.9
23. Unit Cap Factor (DER Net)	86.2	37.6	57.8
24. Unit Forced Outage Rate	5.5	11.6	4.9
25. Forced Outage Hours	40.6	299.9	3,994.2

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

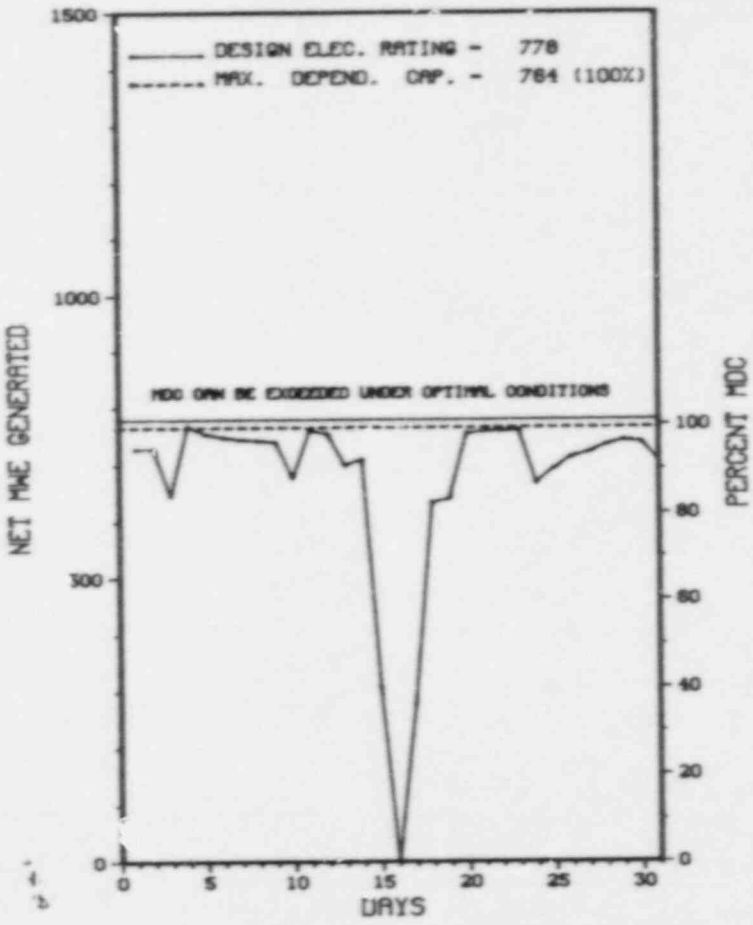
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

COOPER STATION

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-05	07/15/88	F	40.6	H	1	88-019	EL	IPBU	REACTOR MANUALLY SCRAMMED DUE TO INDICATION OF ELECTRICAL FIRE ON 'A' PHASE ISOLATED PHASE BUS DUCT. DEGRADED DUCT COVER GASKETS AND A BROKEN GROUNDING STRAP WERE REPLACED.

SUMMARY

COOPER STATION INCURRED ONE FORCED OUTAGE IN JULY FOR REASONS STATED ABOVE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. BENNETT

LICENSING PROJ MANAGER.....W. LONG
DOCKET NUMBER.....50-298

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 27 - JULY 1, 1988 (88-18) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S STARTUP TESTING. THE LICENSEE'S STARTUP TESTING FOLLOWING THE CYCLE 11 REFUELING OUTAGE APPEAR-ED TO GENERALLY BE IN CONFORMANCE WITH NRC REQUIREMENTS AND LICENSEE PRO-CEDURES. ONE DEVIATION AND NO VIOLATIONS WERE IDENTIFIED. INSPECTION CONDUCTED JUNE 1 - JULY 4, 1988 (88-20) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, ESF WALKDOWN, IE BULLETIN 88-05 FOLLOWUP, RADIOLOGICAL PROTECTION, AND SECURITY. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION 3.6.E.1 THE LICENSEE FAILED TO PERFORM JET PUMP OPERABILITY TESTS UNTIL THE REACTOR WAS AT POWER. CONTRARY TO TECHNICAL SPECIFICATION 6.3.2 AND SURVEILLANCE PROCEDURE 6.4.5.17 THE LICENSEE FAILED TO PERFORM MONTHLY INSPECTION FOR FIRE EXTINGUISHERS LOCATED ON VARIOUS ELECTRIC AND OXYGEN-ACETYLENE WELDERS. CONTRARY TO APP.B CRITERION V AND CNS PROCEDURE 0.26 THE LICENSEE FAILED TO PERFORM AN ADEQUATE REVIEW OF SURVEILLANCE PROCEDURES 6.4.5.1, 6.4.5.17, AND GENERAL OPERATING PROCEDURE 2.1.1.2.
(8800 4.

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT STARTUP - 100% POWER

LAST IE SITE INSPECTION DATE: JULY 4, 1988

INSPECTION REPORT NO: 50-298/88-20

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-008	04-06-88	06-30-88	FAILURE OF RHR INBOARD INJECTION VALVES TO CLOSE DURING SURVEILLANCE TESTING
88-016	05-17-88	06-30-88	PIPE SUPPORT DESIGN DEFICIENCIES DISCOVERED DURING DESIGN CHANGE ENGINEERING ACTIVITIES
88-017	05-26-88	06-27-88	UNPLANNED AUTOMATIC ACTUATION OF ENGINEERED SAFETY FEATURES DUE TO HUMAN ERRORS DURING SURVEILLANCE TESTING
88-018	06-09-88	07-11-88	INADVERTENT INJECTION OF WATER INTO REACTOR VESSEL DURING SURVEILLANCE TEST

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D. GRAHAM (904) 795-3802

4. Licensed Thermal Power (MWt): 2544

5. Nameplate Rating (Gross MWe): 989 X 0.9 = 890

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	99,815.0
13. Hours Reactor Critical	744.0	4,840.0	64,166.8
14. Rx Reserve Shtdwn Hrs	.0	.0	1,275.5
15. Hrs Generator On-Line	744.0	4,774.6	62,790.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,852,812	11,748,615	141,495,803
18. Gross Elec Ener (MWH)	625,296	4,027,643	48,401,758
19. Net Elec Ener (MWH)	595,080	3,835,380	45,968,962
20. Unit Service Factor	100.0	93.4	62.9
21. Unit Avail Factor	100.0	93.4	62.9
22. Unit Cap Factor (MDC Net)	97.4	91.4	56.1
23. Unit Cap Factor (DER Net)	97.0	91.0	55.8
24. Unit Forced Outage Rate	.0	1.9	22.0
25. Forced Outage Hours	.0	93.9	17,728.9

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

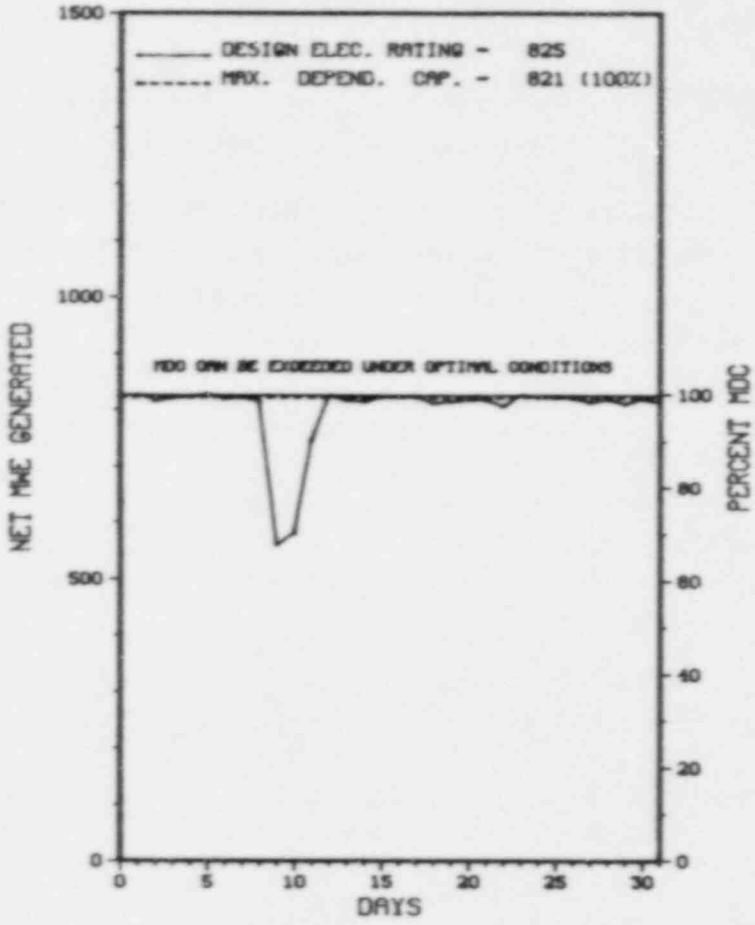
MAINTENANCE-OCTOBER 14, 1988-20 DAY DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-7	07/08/88	S	0.0	B	5		HF	HTEXCH	OPERATED AT A REDUCED LOAD OF APPROXIMATELY 75% TO REPLACE SACRIFICIAL IRON GRATING IN CONDENSER WATERBOXES.

****
* SUMMARY *
****

CRYSTAL RIVER 3 INCURRED ONE LOAD REDUCTION IN JULY FOR REASONS STATED 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 (LER) File (NUREG-0161)
			9-Other	

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....CITRUS

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 14, 1977

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

DATE COMMERCIAL OPERATE....MARCH 13, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....GULF OF MEXICO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

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

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. STETKA

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

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

PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32629

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION JUNE 7-9 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED THE OBSERVATION AND EVALUATION OF KEY EMERGENCY AND ORGANIZATIONAL FUNCTIONS AND LOCATIONS DURING THIS PARTIAL PARTICIPATION EXERCISE (FULL PARTICIPATION BY RISK COUNTIES AND FEMA EVALUATED). TWO EXERCISE WEAKNESSES WERE IDENTIFIED IN THE AREAS OF PROPERLY CLASSIFYING THE EMERGENCY CONDITIONS AND PROVIDING DOSE ASSESSMENT DATA ON A TIMELY BASIS. NOTWITHSTANDING THESE FINDINGS, THE LICENSEE STAFF DEMONSTRATED THAT THEY WOULD BE ABLE TO SATISFACTORILY RESPOND TO AN EMERGENCY AT THE FACILITY.

INSPECTION MAY 12 - JUNE 8 (88-16): THIS ROUTINE INSPECTION WAS CONDUCTED BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, RADIOLOGICAL CONTROLS, SECURITY, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, FACILITY MODIFICATIONS, TMI TASK ACTION PLAN REVIEW, OFFSITE REVIEW COMMITTEE ACTIVITIES, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. NRC REGION II PERSONNEL MET WITH THE LICENSEE ON MAY 25, 1988, TO DISCUSS THE LICENSEE'S EFFORTS IN IMPROVING THE SURVEILLANCE PROGRAM. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO PERFORM A CHANNEL CALIBRATION OF THE CONTAINMENT HYDROGEN ANALYZERS; FAILURE TO ADHERE TO THE REQUIREMENTS OF PROCEDURE CH-101; FAILURE TO PROVIDE ADEQUATE CORRECTIVE ACTION TO PREVENT EXCEEDING THE MAXIMUM RELEASE RATE FOR A LIQUID RELEASE. MANAGEMENT ATTENTION TO SURVEILLANCE WAS EVIDENT.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.4.4.2, THE EMERGENCY POWER SUPPLYFOR THE OPERABLE SET OF PRESSURIZER HEATERS HAD NOT BEEN PERIODICALLY TESTED TO ENSURE OPERABILITY.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-302/88-22 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-013	06/10/88	07/11/88	APPARENT SUBCONTRACTOR FAILURE TO DEVELOP AND SUBMIT DETAILED DESIGN DOCUMENTS LEADS TO HVAC CONTROL AIR TUBING INSTALLATION NOT IN ACCORDANCE WITH SEISMIC REQUIREMENTS
88-014	06/21/88	07/21/88	SMALL LEAKS IN EMERGENCY FEEDWATER SYSTEM VALVES LEAD TO ELEVATED SYSTEM TEMPERATURES AND EXCEEDING PIPING DESIGN BASIS

1. Docket: 50-346 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: MORTEZA KHARZRAI (419) 249-5000 X7290
4. Licensed Thermal Power (MWt): 2772
5. Nameplate Rating (Gross MWe): 1069 X 0.9 = 962
6. Design Electrical Rating (Net MWe): 906
7. Maximum Dependable Capacity (Gross MWe): 904
8. Maximum Dependable Capacity (Net MWe): 860
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

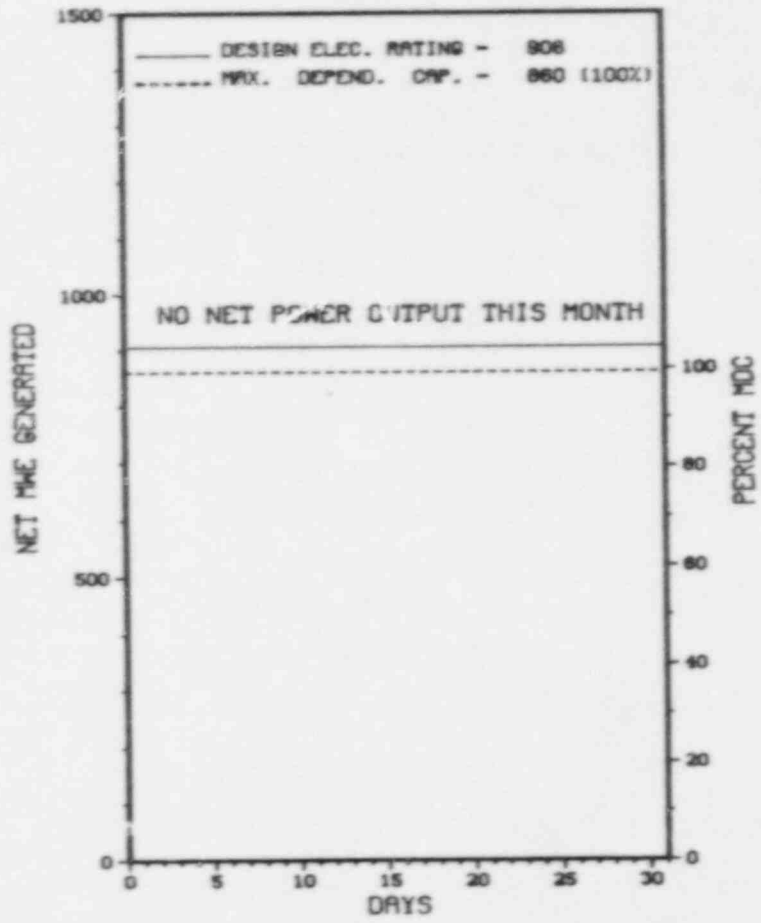
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	87,696.0
13. Hours Reactor Critical	.0	1,661.3	45,143.0
14. Rx Reserve Shtdwn Hrs	.0	.0	5,050.1
15. Hrs Generator On-Line	.0	1,580.0	43,380.8
16. Unit Reserve Shtdwn Hrs	.0	.0	1,732.7
17. Gross Therm Ener (MWH)	0	3,306,442	†01,268,640
18. Gross Elec Ener (MWH)	0	1,072,485	33,448,288
19. Net Elec Ener (MWH)	0	998,787	31,299,434
20. Unit Service Factor	.0	30.9	49.4
21. Unit Avail Factor	.0	30.9	51.4
22. Unit Cap Factor (MDC Net)	.0	22.7	41.5
23. Unit Cap Factor (DER Net)	.0	21.6	39.4
24. Unit Forced Outage Rate	.0	.0	32.5
25. Forced Outage Hours	.0	.0	21,470.0

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 09/29/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

DAVIS-BESSE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/10/88	S	744.0	C	4				THE UNIT OUTAGE WHICH BEGAN ON MARCH 10, 1988 WAS STILL IN PROGRESS THROUGH THE END OF JULY 1988.

SUMMARY

DAVIS-BESSE 1 REMAINED SHUTDOWN IN JULY FOR SCHEDULED 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)

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO

COUNTY.....OTTAWA

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 12, 1977

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

DATE COMMERCIAL OPERATE....JULY 31, 1978

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TOLEDO EDISON

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....P. BYRON

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

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

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2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 13-17 (88016): ROUTINE UNANNOUNCED INSPECTION OF THE OUTAGE RADIATION PROTECTION AND OPERATIONAL RADWASTE MANAGEMENT PROGRAMS, INCLUDING: ORGANIZATIONAL CHANGES, MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS (IP 83729); EXTERNAL AND INTERNAL EXPOSURE CONTROLS (IP 83729); CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION (IP 83729); ALARA (IP 83729); GASEOUS RADWASTE (IP 84724); LIQUID RADWASTE (IP 84723); TRANSPORTATION (IP 86721); AND AUDITS (IP 83729). ALSO REVIEWED WERE PAST INSPECTION ITEMS AND SELECTED NRC INFORMATION NOTICES. THE LICENSEE'S RADIATION PROTECTION AND RADWASTE MANAGEMENT PROGRAMS APPEAR WELL MANAGED AND IMPLEMENTED AND INCLUDE GOOD METHODS OF SELF-IDENTIFICATION AND CORRECTION OF PROGRAMMATIC WEAKNESSES. ADDITIONAL STATION ATTENTION APPEARS NEEDED TO ENSURE ADEQUATE PRE-OUTAGE JOB PLANNING AND COORDINATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A. REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED FOR ACTIVITIES LISTED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. APPENDIX "A" SECTION 3.C. OF REGULATORY GUIDE 1.33 LISTS FILLING AND VENTING THE MAIN STEAM SYSTEM AS AN ACTIVITY. CONTRARY TO THE ABOVE ON MARCH 11, 1988, THE LICENSEE FAILED TO IMPLEMENT PLANT PROCEDURE PP 1102.10, REVISION 16, DATED JULY 21, 1986, "PLANT SHUTDOWN AND COOLDOWN", IN THAT IT DID NOT VENT THE STEAM GENERATORS DURING FILL TO PREVENT PRESSURIZATION WITH THE MAIN STEAM ISOLATION VALVES CLOSED.

ENFORCEMENT SUMMARY

(8800 4)

TECHNICAL SPECIFICATIONS, SECTION 6.8.1.B, STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING ACTIVITIES SUCH AS REFUELING OPERATIONS. TOLEDO EDISON CO. PROCEDURE AD 1828.16, "NON-LICENSED OPERATOR PROFICIENCY TRAINING PROGRAM," REVISION 3, AS IT PERTAINS TO THE TRAINING OF REFUELING EQUIPMENT OPERATORS, STATES IN PART 5.1: "THE PLANT MANAGER IS CHARGED WITH THE OVERALL RESPONSIBILITY FOR ENSURING THAT PERSONNEL ASSIGNED TO THE FACILITY STAFF ARE QUALIFIED IN ACCORDANCE WITH THE NUCLEAR QUALITY ASSURANCE (NQAM)." PROCEDURE PP 1501.01, "FUEL LOADING AND REFUELING LIMITS AND PRECAUTION," REVISION 8, PART 5.4.1 STATES, IN PART, THAT REFUELING PERSONNEL MUST BE THOROUGHLY TRAINED IN THE USE OF HANDLING EQUIPMENT AND TOOLS WHICH THEY WILL USE. PART 15.4.1.1 OF THE NQAM STATES, IN PART, THAT INITIAL AND CONTINUING TRAINING PROGRAMS SHALL BE ESTABLISHED FOR NUCLEAR GROUP AND SUPPORT PERSONNEL TO ENSURE THAT THEY ARE KNOWLEDGEABLE OF APPLICABLE EQUIPMENT AND CAPABLE OF PERFORMING THE ASSIGNED DUTIES OF THEIR INTENDED POSITION. CONTRARY TO THE ABOVE, ON MAY 11, 1988 DURING DEFUELING OPERATIONS A REFUELING EQUIPMENT OPERATOR DEMONSTRATED A LACK OF SUFFICIENT KNOWLEDGE TO OPERATE REFUELING EQUIPMENT, AS EVIDENCED BY AN INABILITY TO OPERATE THE EQUIPMENT WITHOUT SIGNIFICANT ASSISTANCE FROM OTHER PERSONNEL.

(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

SALP MEETING WITH THE LICENSEE AT THE SITE ON MARCH 30, 1988

PLANT STATUS:

SHUT DOWN FOR A 6 MONTH MAINTENANCE/MODIFICATION/REFUELING OUTAGE. RESTART ABOUT MID- SEPTEMBER, 1988.

LAST IE SITE INSPECTION DATE: 06/17/88

INSPECTION REPORT NO: 88016

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-14	060988	071188	ROVING FIRE WATCH EXCEEDING HOURLY PATROL TIME LIMIT
88-15	070288	080188	LOOSE PART DISCOVERED IN THE REACTOR VESSEL

1. Docket: 50-275 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: P. BEDASAM (805) 595-4097
4. Licensed Thermal Power (MWt): 3338
5. Nameplate Rating (Gross MWe): 1137
6. Design Electrical Rating (Net MWe): 1086
7. Maximum Dependable Capacity (Gross MWe): 1124
8. Maximum Dependable Capacity (Net MWe): 1073
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

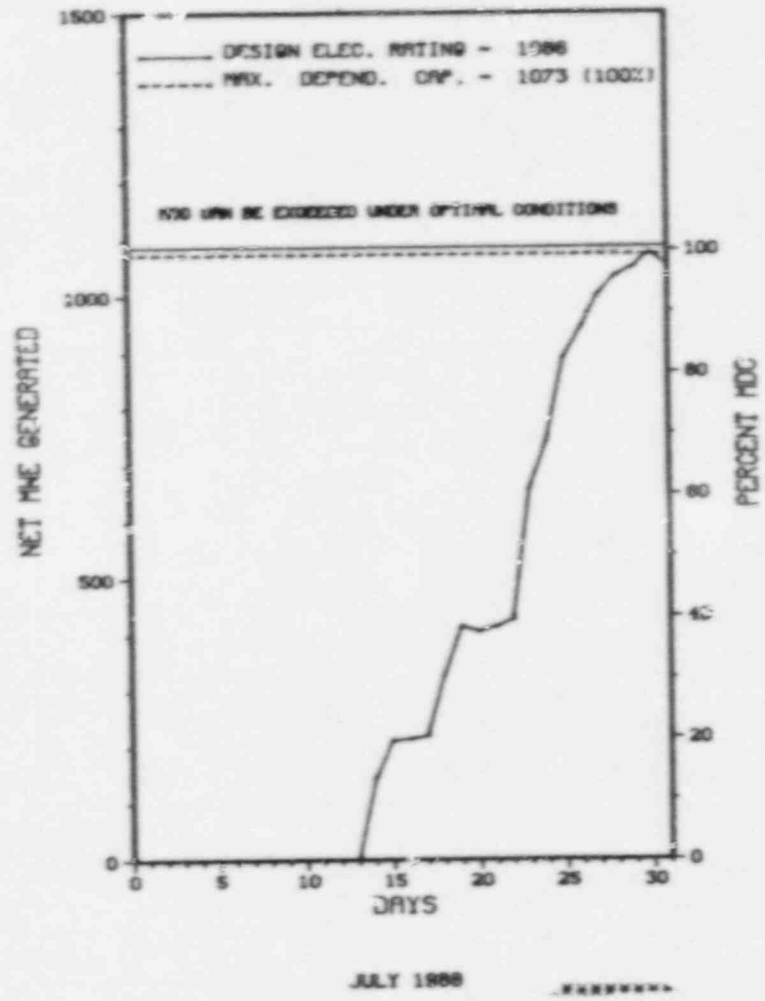
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	28,365.3
13. Hours Reactor Critical	536.7	2,068.3	21,607.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	436.0	1,959.3	21,267.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	927,368	4,947,972	63,912,435
18. Gross Elec Ener (MWH)	291,400	1,646,400	21,497,232
19. Net Elec Ener (MWH)	258,549	1,513,799	20,325,501
20. Unit Service Factor	58.6	38.3	75.0
21. Unit Avail Factor	58.6	38.3	75.0
22. Unit Cap Factor (MDC Net)	32.4	27.6	66.8
23. Unit Cap Factor (DER Net)	32.0	27.3	66.0
24. Unit Forced Outage Rate	.0	3.0	7.8
25. Forced Outage Hours	.0	57.9	840.6

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

DIABLO CANYON 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

DIABLO CANYON 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	06/01/88	S	308.0	C	4				SCHEDULED REFUELING OUTAGE

SUMMARY

DIABLO CANYON 1 COMPLETED SCHEDULED REFUELING OUTAGE DURING JULY AND RETURNED TO 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 (LER) File (NUREG-0161)
			9-Other	

****
* DIABLO CANYON 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN LUIS OBISPO

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 29, 1984

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

DATE COMMERCIAL OPERATE....MAY 7, 1985

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PACIFIC GAS & ELECTRIC

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....J. BURDOIN

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

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

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SAN LUIS OBISPO, CA. 93407

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JULY 11 - 22, 1988 (REPORT NO. 50-275/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

: INSPECTION ON MAY 31 - JUNE 17, 1988 (REPORT NO.50-275/88-16) AREAS INSPECTED: THIS ROUTINE, UNANNOUNCED INSPECTION BY THE PROJECT INSPECTOR INVOLVED THE EVALUATION OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM FOR THE CONTROL OF MEASURING AND TESTING EQUIPMENT; EVALUATION OF THE DESIGN, DESIGN CHANGE, AND MODIFICATION PROGRAM; AND ONSITE FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE MEASURING AND TEST EQUIPMENT PROGRAM WAS ACCEPTABLY IMPLEMENTED UNDER THE GENERAL CONSTRUCTION'S CALIBRATION SHOP; HOWEVER THE I&C CALIBRATION SHOP REMAINS LIMITED IN ITS SCOPE AND RESPONSIBILITIES FOLLOWING WEAKNESSES IDENTIFIED DURING AN INTERNAL QUALITY ASSURANCE AUDIT. THE SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM WAS EXTENSIVE AND INDICATED A THOROUGH AND KNOWLEDGEABLE STAFF IN SUPPORT OF THE PROGRAM. THE DESIGN, DESIGN CHANGE, AND MODIFICATION PROGRAM WAS ACCEPTABLE AND INDICATED THAT PROPER DOCUMENTATION AND REVIEW PROCESSES WERE IN PLACE.

+ INSPECTION ON MAY 29 - JULY 16, 1988 (REPORT NO. 50-275/88-17) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTION OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS (LER'S), AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SU

+ INSPECTION ON AUGUST 1, 1987 - JULY 31, 1988 (REPORT NO. 50-275/88-18) SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE INSPECTION; TO BE REPORTED AT A LATER DATE.

+ INSPECTION ON AUGUST 22 - 26, 1988 (REPORT NO. 50-275/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 5 - 7, 1988 (REPORT NO. 50-275/88-20) AREAS INSPECTED: ROUTINE INSPECTION OF RADIOCHEMICAL ANALYSIS DATA SUPPLIED BY THE LICENSEE FOR MEASUREMENT INTERCOMPARISON. DURING THIS INSPECTION, ONE INSPECTION PROCEDURE WAS UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S ANALYSIS OF AN NRC RADIOCHEMICAL TEST SAMPLE INDICATES AN ACCEPTABLE MEASUREMENT CAPABILITY FOR MOST NUCLIDES IN THE SAMPLE.

+ INSPECTION ON JULY 17 - AUGUST 27, 1988 (REPORT NO. 50-275/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPL NT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS IN A REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 07/17 - 08/27/88+

INSPECTION REPORT NO: 50-275/88-21+

DIABLO CANYON 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11-LO	05-12-88	06-09-88	FUEL BLDG (FHB) MONITOR EXCEEDED HI ALARM SETPOINT (7.5MR/HR)
88-16-LO	06-16-88	07-15-88	MISSED SURVEILLANCE DUE TO LACK OF PROCEDURAL GUIDANCE

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1. Docket: 50-323 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: P. BEOESEM (805) 595-4097
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1164
6. Design Electrical Rating (Net MWe): 1119
7. Maximum Dependable Capacity (Gross MWe): 1127
8. Maximum Dependable Capacity (Net MWe): 1087
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	20,924.0
13. Hours Reactor Critical	391.3	4,691.5	17,607.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	391.3	4,690.9	17,175.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,204,457	15,565,220	54,827,207
18. Gross Elec Ener (MWH)	395,900	5,186,400	18,174,099
19. Net Elec Ener (MWH)	369,605	4,927,550	17,190,942
20. Unit Service Factor	52.6	91.8	82.1
21. Unit Avail Factor	52.6	91.8	82.1
22. Unit Cap Factor (MDC Net)	45.7	88.7	75.6
23. Unit Cap Factor (DER Net)	44.4	86.2	73.4
24. Unit Forced Outage Rate	47.4	8.2	10.1
25. Forced Outage Hours	352.7	420.1	1,925.5

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

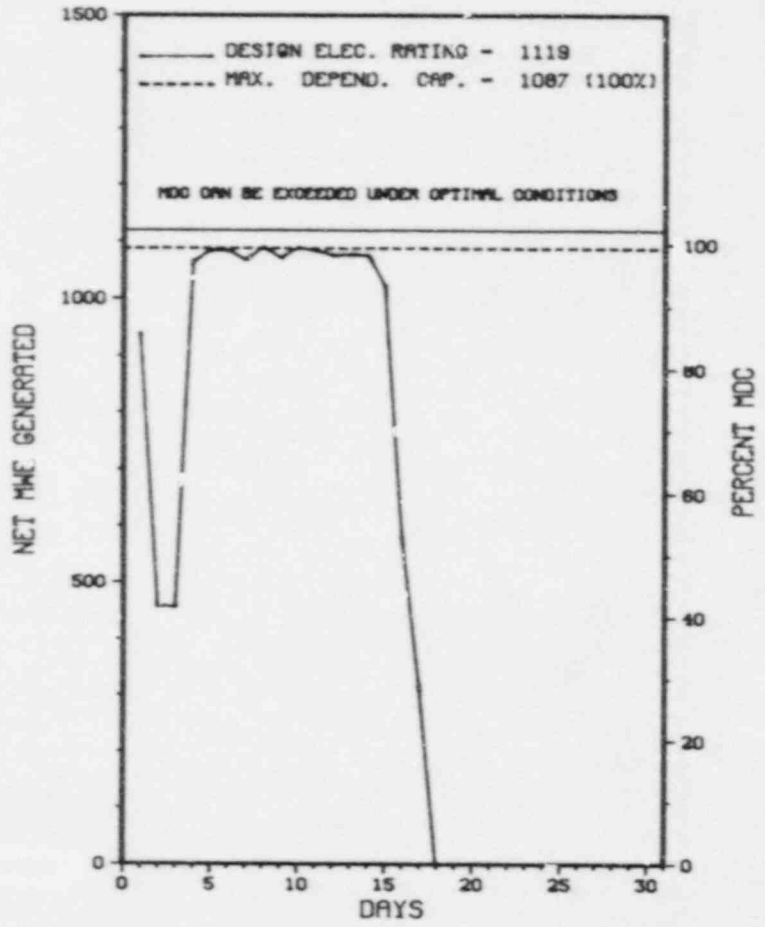
REFUELING - SEPT. 15, 1988 - 70 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 08/08/88

****
* DIABLO CANYON 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

DIABLO CANYON 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	07/01/88	S	0.0	B	5		SG	COND	UNIT 2 REDUCED POWER TO 50% TO BACKFLUSH AND CLEAN CONDENSER WATERBOXES AND TO REPAIR AN INTAKE SCREEN.
2	07/17/88	F	352.7	A	2	2-88-008	AB	GBU	UNIT 2 MANUAL REACTOR TRIP AND MANUAL RCP 2-2 TRIP DUE TO GROUND FAULT INDICATIONS ON 12KV NON-VITAL BUSES. GALLED ALUMINUM THREADS RESULTED IN AN INADEQUATE ELECTRICAL CONNECTION WHICH, WITH THERMAL AND ELECTRICAL CYCLING, DETERIORATED OVER 4 YEARS AND EVENTUALLY PRODUCED ENOUGH HEAT TO CAUSE A GROUND. THE CONNECTION WAS REPAIRED AND RCP 2-2 RETURNED TO SERVICE.

SUMMARY

DIABLO CANYON 2 INCURRED ONE LOAD REDUCTION AND ONE FORCED OUTAGE DURING JULY AND ENDED THE MONTH SHUTDOWN.

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)

****
* DIABLO CANYON 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN LUIS OBISPO

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 19, 1985

DATE ELEC ENER 1ST GENER...OCTOBER 20, 1985

DATE COMMERCIAL OPERATE....MARCH 13, 1986

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PACIFIC GAS & ELECTRIC

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....J. BURDGIN

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-323

LICENSE & DATE ISSUANCE....DPR-82, AUGUST 26, 1985

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CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CA. 93407

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON JULY 11 - 22, 1988 (REPORT NO. 50-323/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 31 - JUNE 17, 1988 (REPORT NO. 50-323/88-15) AREAS INSPECTED: THIS ROUTINE, UNANNOUNCED INSPECTION BY THE PROJECT INSPECTOR INVOLVED THE EVALUATION OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM FOR THE CONTROL OF MEASURING AND TEST EQUIPMENT; EVALUATION OF THE SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM; EVALUATION OF THE DESIGN, DESIGN CHANGE, AND MODIFICATION PROGRAM; AND ONSITE FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE MEASURING AND TEST EQUIPMENT PROGRAM WAS ACCEPTABLY IMPLEMENTED UNDER THE GENERAL CONSTRUCTION'S CALIBRATION SHOP; HOWEVER THE I&C CALIBRATION SHOP REMAINS LIMITED IN ITS SCOPE AND RESPONSIBILITIES FOLLOWING WEAKNESSES IDENTIFIED DURING AN INTERNAL QUALITY ASSURANCE AUDIT. THE SURVEILLANCE TESTING AND CALIBRATION CONTROL PROGRAM WAS EXTENSIVE AND INDICATED A THOROUGH HAND KNOWLEDGEABLE STAFF IN SUPPORT OF THE PROGRAM. THE DESIGN, DESIGN CHANGE, AND MODIFICATION PROGRAM WAS ACCEPTABLE AND INDICATED THAT PROPER DOCUMENTATION AND REVIEW PROCESSES WERE IN PLACE.

+ INSPECTION ON MAY 29 - JULY 16, 1988 (REPORT NO. 50-323/88-16) AREAS INSPECTED: THE INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOW-UP OF ONSITE EVENTS, OPEN ITEMS, AND LICENSEE EVENT REPORTS (LER'S), AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON AUGUST 1, 1987 - JULY 31, 1988 (REPORT NO. 50-323/88-17) SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE INSPECTION; TO BE REPORTED AT A LATER DATE.

+ INSPECTION AUGUST 22 - 26, 1988 (REPORT NO. 50-323/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 17 - AUGUST 27, 1988 (REPORT NO. 50-323/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS IN COMMERCIAL OPERATION, AT APPROXIMATELY 100% POWER.

LAST IE SITE INSPECTION DATE: 07/17 - 08/27/88+

INSPECTION REPORT NO: 50-323/88-19+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
87-25-LO	12-09-87	06-21-88	POTENTIAL LOSS OF CONT WHEN FCV-661 FAILED DUE TO PERSONNEL ERROR
88-06-LO	06-02-88	07-05-88	MISSED SURVEILLANCE DUE TO PERSONNEL ERROR

1. Docket: 50-237 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 772
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	159,695.0
13. Hours Reactor Critical	744.0	4,810.3	121,382.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,768.7	115,862.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,424,111	10,477,663	239,496,486
18. Gross Elec Ener (MWH)	432,775	3,317,347	76,257,317
19. Net Elec Ener (MWH)	408,185	3,155,330	72,091,508
20. Unit Service Factor	100.0	93.3	72.6
21. Unit Avail Factor	100.0	93.3	72.6
22. Unit Cap Factor (MDC Net)	71.1	80.0	58.5
23. Unit Cap Factor (DER Net)	69.1	77.8	56.9
24. Unit Forced Outage Rate	.0	.1	11.2
25. Forced Outage Hours	.0	7.1	7,164.1

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

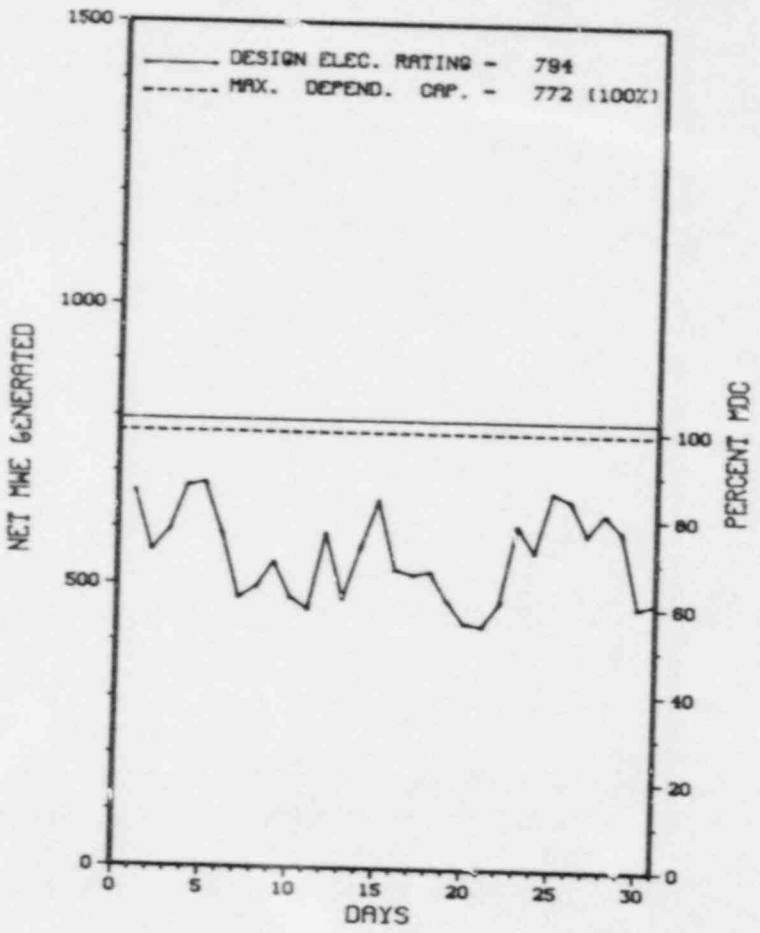
REFUELING - OCTOBER, 1988 - 15 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



JULY 1988

Report Period JUL 1988 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 JULY AT A SLIGHTLY REDUCED POWER LEVEL DUE TO TEMPERATURE/DROUGHT CONDITIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 7, 1970

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

DATE COMMERCIAL OPERATE....JUNE 9, 1970

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....S. DUPONT

LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-237

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 4-7, MAY 3-5, 16-18, AND JUNE 13-14, 21-22 (88010): ROUTINE UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73053), OF DATA REVIEW AND EVALUATION (73055); OF THE INSPECTION FOR VERIFICATION OF MARK 1 BWR DRYWELL VACUUM BREAKER MODIFICATIONS (37828) (TI 2515/96); OF IE INFORMATION NOTICES (92704); OF PLANT MODIFICATIONS (37702); AND OF INSPECTION OF THE DRYWELL CONTAINMENT FOR DEGRADATION (GL-87-05) (92703). ISI ACTIVITIES WERE ACCOMPLISHED WITHIN THE GUIDELINES OF ASME SECTION XI AND GENERIC LETTER (GL) 84-11 REQUIREMENTS. THE LICENSEE HAS RECEIVED GL 88-01 AND IS IN PROCESS OF REVISING THE ISI PROGRAM TO IMPLEMENT THE AUGMENTED REQUIREMENTS WITHIN. PLANT MODIFICATION WELDING AND NONDESTRUCTIVE EXAMINATIONS WERE PERFORMED TO THE APPLICABLE CODE REQUIREMENTS. IMPLEMENTATION OF MODIFICATIONS WERE ADEQUATELY CONTROLLED BY QA, QC REQUIREMENTS. LICENSEE'S ACTIONS TAKEN ON GENERIC LETTERS AND INFORMATION NOTICE WAS ADEQUATE TO ASSURE SAFETY WAS NOT COMPROMISED.

INSPECTION DURING THE PERIOD OF MAY 17-24 (88013): AUGMENTED INSPECTION TEAM (AIT) INSPECTION OF THE MAY 16 AND 17, 1988, UNIT 2 MAIN STEAM ISOLATION VALVES' FAILURE TO CLOSE DURING LOSS OF AIR TESTING. NO VIOLATIONS OR DEVIATIONS WERE INVOLVED. THE ROUTINE TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE DOES NOT IDENTIFY MAIN STEAM ISOLATION VALVE (MSIV) DEGRADATION DUE TO EXCESSIVE STEAM PACKING FRICTION. THE AUTOMATIC VALVE COMPANY (AVCO) 4-WAY SOLENOID VALVES WILL HANGUP IN AN INTERMEDIATE POSITION DURING GRADUAL LOSS OF SYSTEM AIR PRESSURE, RENDERING THE MISV ACCUMULATORS INOPERABLE. THE ROOT CAUSE OF THE EIGHT UNIT 2 MSIVS' FAILURE TO ACHIEVE FULL CLOSURE DURING THE SPECIAL LOSS OF AIR TEST ON MAY 16 AND 17, 1988, WAS DUE TO EXCESSIVE MSIV STEM PACKING FRICTION. UNIT 3 MSIVS DID NOT EXPERIENCE EXCESSIVE MSIV STEM PACKING FRICTION AND WERE OPERABLE.

INSPECTION FROM MAY 25 THROUGH JUNE 16 (88014; 88015; 88014; 88014): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUSLY

INSPECTION SUMMARY

IDENTIFIED NONCOMPLIANCES (92702) AND LICENSEE EVENT REPORTS (92700). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 25, 26 AND JUNE 23, 24 (88015; 88016): ROUTINE, UNANNOUNCED SAFETY INSPECTION TO REVIEW A LICENSEE EVENT REPORT AND ACTIONS ON PREVIOUS INSPECTION FINDINGS (92701 AND 92702). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 28 AND 30 (88004; 88016; 88017): INCLUDED A REVIEW OF COMPENSATORY MEASURES AND ACCESS CONTROL-PERSONNEL. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING FAILURE TO CONDUCT A PROPER SEARCH DURING INGRESS SCREENING. ONE LICENSEE-IDENTIFIED VIOLATION CONCERNING COMPENSATORY MEASURES WAS NOTED AND IS BEING ADDRESSED BY THE LICENSEE.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0, REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, THE PROCEDURES OR INSTRUCTIONS THAT WERE IN PLACE TO CONTROL RIGGING ACTIVITIES THAT COULD AFFECT QUALITY WERE FOUND TO BE INADEQUATE: DRESDEN MAINTENANCE PROCEDURE DMP 5800-3, REVISION 3, "SAFE RIGGING PRACTICES," WAS INADEQUATE BECAUSE IT DID NOT SPECIFY WHAT APPARATUS A CHAIN FALL CAN BE ATTACHED TO OR SUSPENDED FROM WHENEVER LIFTING LOADS. THIS RESULTED IN A BROKEN NITROGEN MAKEUP SUPPLY LINE TO BOTH UNITS 2 AND 3 AND DECLARATION OF AN UNUSUAL EVENT ON APRIL 29, 1988.
(8800 4)

10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE. 10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," AS IMPLEMENTED BY COMMONWEALTH EDISON COMPANY'S QUALITY ASSURANCE MANUAL, QUALITY REQUIREMENT 5.0 REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, THE UNIT 2 NUCLEAR SHIFT OPERATOR (NSO) FAILED TO FOLLOW THE PROCEDURE AND ADJUST THE HIGH PRESSURE COOLANT INJECTION (HPCI) PUMP DISCHARGE FLOW TO 5000 GPM VIA AND HPCI FLOW CONTROLLER PER DRESDEN OPERATING SURVEILLANCE PROCEDURE DOS 2300-6, "MONTHLY HPCI SYSTEM PUMP TEST FOR IN-SERVICE TEST (IST) PROGRAM," ON APRIL 4, 1988. THIS RESULTED IN THE IST RESULTS EXCEEDING THE HPCI PUMP DISCHARGE HIGH FLOW LIMIT OF 5325 GPM AND THE SYSTEM BEING DECLARED INOPERABLE.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

OTHER ITEMS

NONE

PLANT STATUS:

UNIT OPERATING AT POWER. POWER REDUCED DUE TO FEEDWATER HEATER PROBLEMS AND DUE TO TEMPERATURE/DROUGHT RESTRICTIONS

LAST IE SITE INSPECTION DATE: 06/30/88

INSPECTION REPORT NO: 88016

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-13	070888	080588	FUSE IN ANALOG TRIP SYSTEM PANEL 2202-73A OPENED DUE TO FAILED STANDBY GAS TREATMENT MASTER TRIP UNIT
88-16	061788	071588	EMERGENCY CORE COOLING SYSTEM INITIATION INDICATING SWITCHES OUT OF CALIBRATION DUE TO INSTRUMENT DRIFT

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1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: D.C. MAXWELL (815) 942-2920 X 489

4. Licensed Thermal Power (MWt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	149,280.0
13. Hours Reactor Critical	744.0	2,943.4	106,351.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	742.5	2,915.8	101,763.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,482,813	6,406,582	207,782,104
18. Gross Elec Ener (MWH)	463,256	2,060,522	67,091,764
19. Net Elec Ener (MWH)	438,942	1,953,295	63,531,115
20. Unit Service Factor	99.8	57.0	68.2
21. Unit Avail Factor	99.8	57.0	68.2
22. Unit Cap Factor (MDC Net)	76.3	49.4	55.1
23. Unit Cap Factor (DER Net)	74.3	48.1	53.6
24. Unit Forced Outage Rate	.0	.0	12.5
25. Forced Outage Hours	.0	.0	9,463.9

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

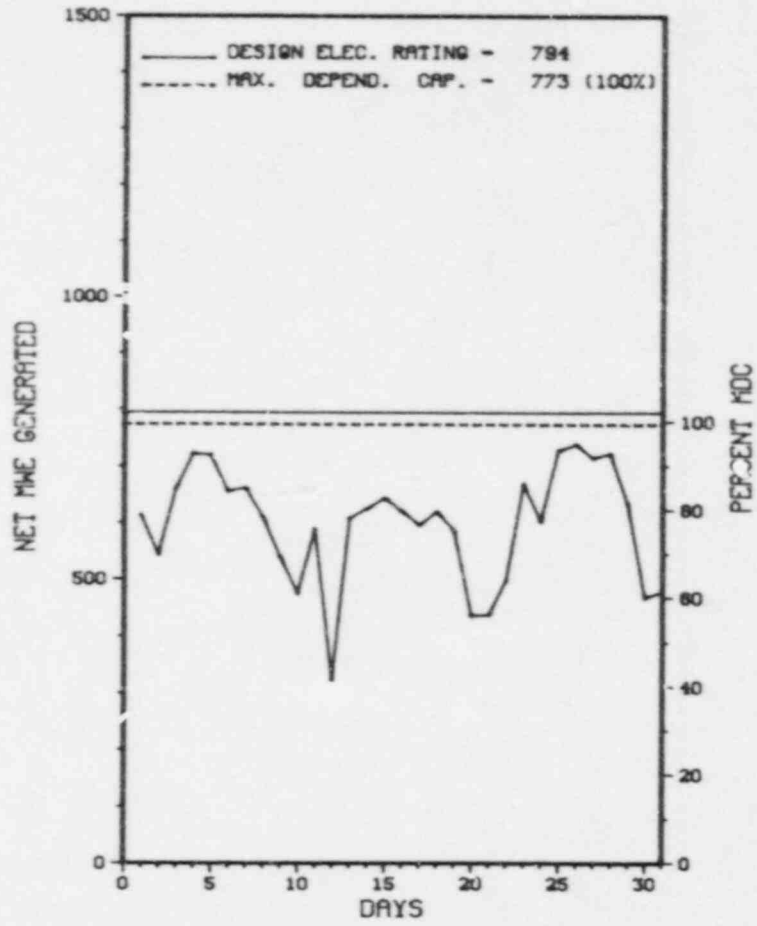
DUAL UNIT SVC.WATER OUTAGE, 11/88, 1 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

DRESDEN 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	07/12/88	S	1.5	B	9				PLANNED OVERSPEED TEST OF THE MAIN TURBINE.

SUMMARY

DRESDEN 2 INCURRED ONE SCHEDULED OUTAGE DURING JULY WHILE OPERATING AT SLIGHTLY REDUCED POWER LEVEL DUE TO TEMPERATURE /DROUGHT CONDITIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 31, 1971

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

DATE COMMERCIAL OPERATE....NOVEMBER 16, 1971

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....S. DUPONT

LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-249

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 4-7, MAY 3-5, 16-18, AND JUNE 13-14, 21-22 (88010): ROUTINE UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAM (73051), PROCEDURES (73052), OBSERVATION OF WORK AND WORK ACTIVITIES (73053), OF DATA REVIEW AND EVALUATION (73055); OF THE INSPECTION FOR VERIFICATION OF MARK 1 BWR DRYWELL VACUUM BREAKER MODIFICATIONS (37828) (TI 2515/96); OF IE INFORMATION NOTICES (92704); OF PLANT MODIFICATIONS (37702); AND OF INSPECTION OF THE DRYWELL CONTAINMENT FOR DEGRADATION (GL-87-05) (92703). ISI ACTIVITIES WERE ACCOMPLISHED WITHIN THE GUIDELINES OF ASME SECTION XI AND GENERIC LETTER (GL) 84-11 REQUIREMENTS. THE LICENSEE HAS RECEIVED GL 88-01 AND IS IN PROCESS OF REVISING THE ISI PROGRAM TO IMPLEMENT THE AUGMENTED REQUIREMENTS WITHIN. PLANT MODIFICATION WELDING AND NONDESTRUCTIVE EXAMINATIONS WERE PERFORMED TO THE APPLICABLE CODE REQUIREMENTS. IMPLEMENTATION OF MODIFICATIONS WERE ADEQUATELY CONTROLLED BY QA, QC REQUIREMENTS. LICENSEE'S ACTIONS TAKEN ON GENERIC LETTERS AND INFORMATION NOTICE WAS ADEQUATE TO ASSURE SAFETY WAS NOT COMPROMISED.

INSPECTION DURING THE PERIOD OF MAY 17-24 (88013): AUGMENTED INSPECTION TEAM (AIT) INSPECTION OF THE MAY 16 AND 17, 1988, UNIT 2 MAIN STEAM ISOLATION VALVES' FAILURE TO CLOSE DURING LOSS OF AIR TESTING. NO VIOLATIONS OR DEVIATIONS WERE INVOLVED. THE ROUTINE TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE DOES NOT IDENTIFY MAIN STEAM ISOLATION VALVE (MSIV) DEGRADATION DUE TO EXCESSIVE STEAM PACKING FRICTION. THE AUTOMATIC VALVE COMPANY (AVCO) 4-WAY SOLENOID VALVES WILL HANGUP IN AN INTERMEDIATE POSITION DURING GRADUAL LOSS OF SYSTEM AIR PRESSURE, RENDERING THE MISV ACCUMULATORS INOPERABLE. THE ROOT CAUSE OF THE EIGHT UNIT 2 MSIVS' FAILURE TO ACHIEVE FULL CLOSURE DURING THE SPECIAL LOSS OF AIR TEST ON MAY 16 AND 17, 1988, WAS DUE TO EXCESSIVE MSIV STEM PACKING FRICTION. UNIT 3 MSIVS DID NOT EXPERIENCE EXCESSIVE MSIV STEM PACKING FRICTION AND WERE OPERABLE.

INSPECTION FROM MAY 25 THROUGH JUNE 16 (88014; 88015; 88014; 88014): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUSLY

INSPECTION SUMMARY

IDENTIFIED NONCOMPLIANCES (92702) AND LICENSEE EVENT REPORTS (92700). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MAY 25, 26 AND JUNE 23, 24 (88015; 88016): ROUTINE, UNANNOUNCED SAFETY INSPECTION TO REVIEW A LICENSEE EVENT REPORT AND ACTIONS ON PREVIOUS INSPECTION FINDINGS (92701 AND 92702). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 28 AND 30 (88004; 88016; 88017): INCLUDED A REVIEW OF COMPENSATORY MEASURES AND ACCESS CONTROL-PERSONNEL. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS NOTED. ONE VIOLATION WAS IDENTIFIED REGARDING FAILURE TO CONDUCT A PROPER SEARCH DURING INGRESS SCREENING. ONE LICENSEE-IDENTIFIED VIOLATION CONCERNING COMPENSATORY MEASURES WAS NOTED AND IS BEING ADDRESSED BY THE LICENSEE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT RESTARTED FROM ITS REFUELING OUTAGE ON JUNE 24, 1988 AND HAS OPERATED ROUTINELY SINCE AT REDUCED POWER DUE TO TEMPERATURE/DROUGHT CONDITIONS

LAST IE SITE INSPECTION DATE: 06/30/88

INSPECTION REPORT NO: 88017

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-12	062888	072888	PRIMARY CONTAINMENT CLEAN DEMINERALIZED WATER ISOLATION VALVE DISCOVERED OPEN DUE TO PROCEDURE INADEQUACY
88-15	061688	071588	MAIN STEAM ISOLATION VALVE PNEUMATIC LINE EXCEEDS FSAR DESIGN CRITERIA DUE TO DESIGN DEFICIENCY
88-16	061488	071288	ANTICIPATED TRANSIENT WITHOUT SCRAM SYSTEM ACTUATION DUE TO IN ADEQUATE OPERATOR TRAINING

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1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

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

ITEM 687 WILL VARY TO REFLECT SEASONAL COND.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	118,319.0
13. Hours Reactor Critical	691.4	5,037.6	85,351.4
14. Rx Reserve Shtdwn Hrs	.0	.0	172.8
15. Hrs Generator On-Line	676.0	4,999.9	83,255.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,020,499	7,973,308	108,010,589
18. Gross Elec Ener (MWH)	347,801	2,713,539	36,273,367
19. Net Elec Ener (MWH)	326,226	2,541,718	33,985,046
20. Unit Service Factor	90.9	97.8	70.4
21. Unit Avail Factor	90.9	97.8	70.4
22. Unit Cap Factor (MDC Net)	85.1	94.9	55.8
23. Unit Cap Factor (DER Net)	81.5	92.4	53.4
24. Unit Forced Outage Rate	9.1	1.3	14.4
25. Forced Outage Hours	68.0	68.0	13,985.7

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

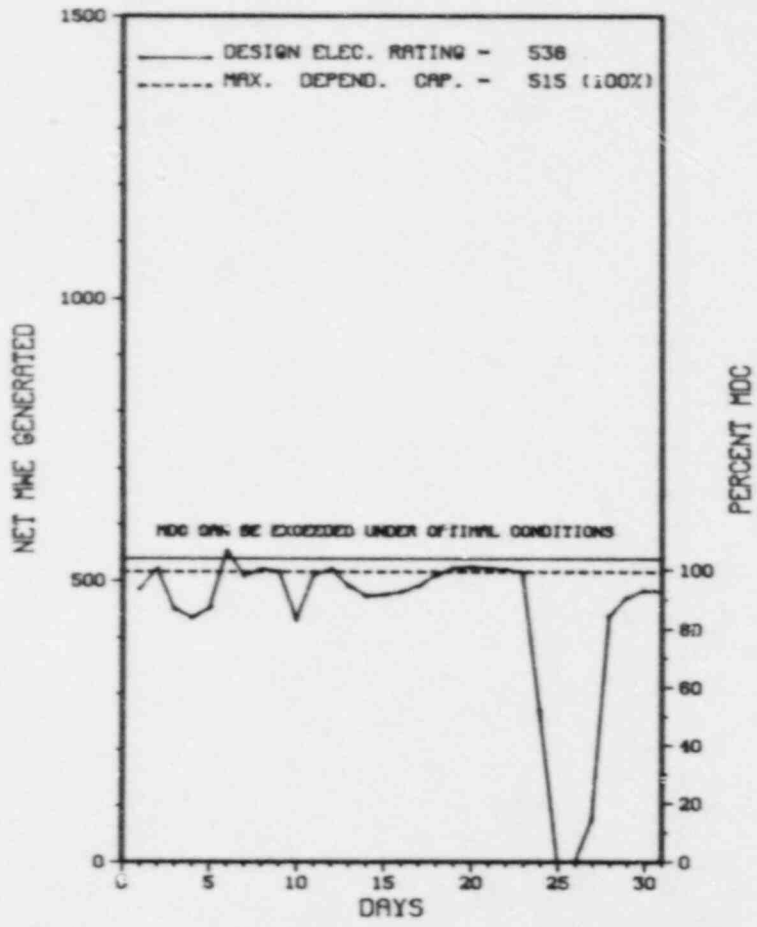
REFUELING - 9/29/88 - TWO MONTH DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

DUANE ARNOLD

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	07/24/88	F	68.0	A	3	88-08	IT	VI	INVESTIGATION OF THE CAUSE OF THE HIGH VIBRATION CONDITION DETERMINED THAT THE MONITOR IN QUESTION HAD FAILED RESULTING IN ERRONEOUS INDICATION. THE VIBRATION MONITOR WAS REPLACED AND THE PLANT RETURNED TO POWER OPERATION ON JULY 27. THE ROOT CAUSE OF THE MONITOR FAILURE IS UNDER INVESTIGATION.

SUMMARY

DUANE ARNOLD INCURRED ONE FORCED OUTAGE IN JULY FOR REASONS STATED 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)

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA

COUNTY.....LINN

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 23, 1974

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

DATE COMMERCIAL OPERATE....FEBRUARY 1, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CEDAR RAPIDS RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. PARKER

LICENSING PROJ MANAGER.....J. HALL
DOCKET NUMBER.....50-331

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 16 THROUGH JUNE 13 (88009): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS, INFORMATION NOTICES, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, FOLLOWUP OF EVENTS, REPORT REVIEW, AND MANAGEMENT MEETING. DURING THIS INSPECTION PERIOD THE PLANT HAS OPERATED NEAR 100 PERCENT POWER WITH PERIODIC POWER REDUCTIONS FOR MAINTENANCE AND SURVEILLANCE TESTING. THE PLANT CONDUCTED A SHORT DURATION OUTAGE TO INVESTIGATE AND REPAIR A NITROGEN LEAK IN THE DRYWELL. THE PLANT ALSO PERFORMED A SINGLE LOOP OPERATION. THROUGHOUT THIS INSPECTION PERIOD, SEVERAL AREAS WERE OBSERVED. THERE WERE SEVERAL INSPECTIONS CONDUCTED IN THE AREA OF QA BY DRS (DIVISION OF REACTOR SAFETY). IN GENERAL ALL AREAS INSPECTED WERE ADEQUATE, BUT THE LICENSEE EXHIBITED SOME DIFFICULTIES IN PERFORMING SELECTED SURVEILLANCE AND PROBLEMS NOTED WITH THE PLANT PROCESS COMPUTER. THE LICENSEE IS CONTINUING TO UPGRADE THEIR SURVEILLANCE TEST PROCEDURE PROGRAM THROUGH THEIR ONGOING SURVEILLANCE TEST EVALUATION AND ENHANCEMENT PROGRAM (STEEP). THE PLANT IS ALSO CONTINUING TO RESOLVE PROBLEMS WITH THE PLANT PROCESS COMPUTER. OVERALL, THE PLANT CONTINUES TO OPERATE SATISFACTORILY AND IS SHOWING SOME IMPROVEMENTS IN THEIR STEEP, AND ALSO WITHIN THEIR QA ENHANCEMENT PROGRAM. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREAS (FAILURE TO INCREASE THE OPERATING LIMIT MCPR AS REQUIRED BY SINGLE LOOP OPERATION SURVEILLANCE TEST PROCEDURE (STP) 46F002 AND FAILURE TO HAVE SGBT SYSTEM HAND SWITCHES HS-5825A AND HS-5825B IN THE OPEN POSITION AS REQUIRED BY OPERATING INSTRUCTION (OI) NO. 170). THE VIOLATION CONSISTED OF TWO EXAMPLES OF FAILURE TO ADEQUATELY FOLLOW PROCEDURES AS DELINEATED IN DAEC TECHNICAL SPECIFICATION SECTION 6.8.1.

INSPECTION ON MAY 23-26, 31; JUNE 1-3 (88013): SPECIAL UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF THE LICENSEE'S QUALITY ENHANCEMENT PROGRAM AND ITS IMPACT ON PROCUREMENT CONTROL; RECEIPT AND HANDLING OF EQUIPMENT AND MATERIALS, DESIGN SUPPORT,

INSPECTION SUMMARY

SURVEILLANCES, AND THE AUDIT PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE QUALITY ENHANCEMENT PROGRAM WAS DETERMINED TO BE ESSENTIALLY ON TARGET WITH COMMITMENTS, AND ON SCHEDULE.

INSPECTION ON JUNE 20-23 (88015): INCLUDED A REVIEW OF SECURITY MANAGEMENT EFFECTIVENESS; LOCKS, KEYS, AND COMBINATIONS, SECURITY SYSTEM POWER SUPPLY; LIGHTING; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW AND FOLLOWUP ON PREVIOUS INSPECTION AND REGULATORY EFFECTIVENESS REVIEW (RER) FINDINGS. ALSO REVIEWED WAS THE LICENSEE RESPONSE TO A FITNESS FOR DUTY ALLEGATION. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED. ONE PREVIOUS VIOLATION DEALING WITH AN INADEQUATE PROTECTED AREA BARRIER WAS CLOSED AND ONE OPEN ITEM PERTAINING TO A RESPONSE FORCE CALL-IN PROCEDURE WILL REMAIN OPEN PENDING SUBMITTAL OF A 10 CFR 50.90 PLAN CHANGE. IN ADDITION, ALL REGULATORY EFFECTIVENESS REVIEW (RER) FINDINGS WERE REVIEWED AND ARE CLOSED. FIVE ADDITIONAL ISSUES WERE IDENTIFIED PERTAINING TO FITNESS FOR DUTY REQUIREMENTS, REPORTABILITY OF SECURITY EVENTS, SECURITY FORCE MANNING, LIGHTING AND CONTINGENCY EQUIPMENT. THESE ISSUES REQUIRE SENIOR MANAGEMENT ATTENTION AND SUPPORT FOR RESOLUTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: 07/23/88

INSPECTION REPORT NO: 88016

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-04	060988	071188	HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABILITY FROM INADEQUATE PERIODIC INSPECTION OF GOVERNOR ACTUATOR AND FAILED OIL SYSTEM PRESSURE MICROSWITCH
88-06	070988	080588	REACTOR WATER CLEANUP ISOLATION DUE TO FAILURE OF RILEY PANALARM TEMPERATURE SWITCH

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1. Docket: 50-348 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 853

8. Maximum Dependable Capacity (Net MWe): 813

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	93,503.0
13. Hours Reactor Critical	744.0	3,766.7	68,983.4
14. Rx Reserve Shtdwn Hrs	.0	.0	3,650.7
15. Hrs Generator On-Line	744.0	3,718.3	67,543.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,973,088	9,535,975	171,959,292
18. Gross Elec Ener (MWH)	638,334	3,097,758	55,164,094
19. Net Elec Ener (MWH)	606,370	2,924,282	52,093,478
20. Unit Service Factor	100.0	72.8	72.2
21. Unit Avail Factor	100.0	72.8	72.2
22. Unit Cap Factor (MDC Net)	100.2	70.4	69.2*
23. Unit Cap Factor (DER Net)	98.3	69.0	67.2
24. Unit Forced Outage Rate	.0	.6	9.2
25. Forced Outage Hours	.0	22.8	6,845.9

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

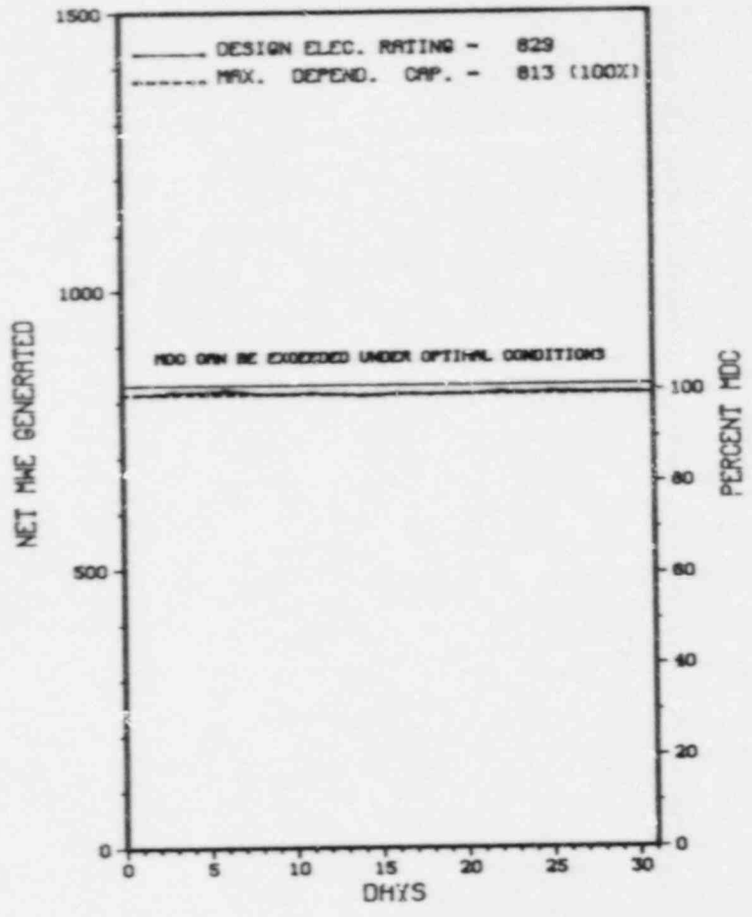
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 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 ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
DOTHAN, ALA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 9, 1977

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1977

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & 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.....DANIEL INTERNATIONAL

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.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 11 - JUNE 10 (88-19): THIS ROUTINE ON-SITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION PROGRAM, PHYSICAL SECURITY PROGRAM, LICENSEE EVENT REPORTS, DESIGN, DESIGN CHANGES AND MODIFICATIONS, 10 CFR 50.59 SAFETY EVALUATIONS, UNIT 1 STARTUP FROM REFUELING, COMPLIANCE WITH ATWS RULE, GENERIC LETTER 83-28, AND ACTION ON PREVIOUS INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES FOR STORAGE OF COMPRESSED GAS CYLINDERS; FAILURE TO PROVIDE ADEQUATE OPERABILITY INSPECTIONS OF UNIT 1 POST ACCIDENT CONTAINMENT VENTILATION FILTER UNIT; AND, FAILURE TO PROVIDE ADEQUATE 10 CFR 50.59 EVALUATION FOR EMERGENCY LIGHTING SYSTEM IN UNIT 1 CONTAINMENT.

INSPECTION JUNE 13-17 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF: VITAL AREA BARRIERS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; AND DETECTION AIDS - VITAL AREAS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 11 - JULY 10 (88-23): THIS ROUTINE ON-SITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY SYSTEM INSPECTION, RADIOLOGICAL PROTECTION PROGRAM AND PHYSICAL SECURITY PROGRAM, LICENSEE EVENT REPORTS, AND FOLLOWUP OF EVENTS. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATION WAS IDENTIFIED: FAILURE TO REMOVE CHARCOAL FILTER UNITS FROM UNIT 2 PENETRATION ROOM VENTILATION EQUIPMENT ROOM.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.12.1 AND TS 6.12.2: (1) ON DECEMBER 28, 1987, TWO DECONTAMINATION WORKERS ENTERED ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING, A HIGH RADIATION AREA, IN WHICH THE INTENSITY OF RADIATION WAS IN EXCESS OF 100 MILLIREM PER HOUR, WITHOUT HAVING IN THEIR POSSESSION ONE OF THE REQUIRED RADIATION MONITORING DEVICES AND WITHOUT BEING ACCOMPANIED BY A HEALTH PHYSICS QUALIFIED INDIVIDUAL WHO MAINTAINED POSITIVE CONTROL OVER THE WORKERS' ACTIVITIES. (2) AS OF DECEMBER 28, 1987, A RADIOLOGICAL EXCLUSION AREA LOCATED IN ROOM 450/449, WHICH WAS ACCESSIBLE TO PERSONNEL AND WHICH HAD RADIATION LEVELS SUCH THAT A MAJOR PORTION OF THE BODY COULD RECEIVE IN ONE HOUR A DOSE GREATER THAN 1,000 MILLIREM, WAS NOT PROVIDED WITH LOCKED DOORS,BUT WAS PROVIDED WITH THREE YELLOW AND MAGENTA ROPES, RADIOLOGICAL WARNING SIGNS, AND A FLASHING RED LIGHT, WHICH WERE NOT ADEQUATE TO PREVENT UNAUTHORIZED ENTRY. CONTRARY TO TS 6.8.1, REGULATORY GUIDE 1.33, APPENDIX A, SECTION 7.E(1), PLANT PROCEDURE FNP-O-RCP-2, PLANT PROCEDURE FNP-O-RP-001, HEALTH PHYSICS MANUAL, SECTION 6.3.6, AND SECTION 4.1.1.1.7, AND RWP 87-0010: (1) ON DECEMBER 28, 1987, A DECONTAMINATION WORKER ENTERED A HIGH RADIATION/EXCLUSION AREA WITH DOSE RATES UP TO APPROXIMATELY 150 REM PER HOUR AT 18 INCHES FROM THE SPENT FUEL POOL DEMINERALIZER WITHOUT HAVING A SPECIAL RWP PRIOR TO ENTRY. (2) ON DECEMBER 28, 1987, TWO INDIVIDUALS ENTERED A HIGH RADIATION AREA (ROOM 450) ON ROUTINE RWP 87-0010 TO PERFORM ROUTINE DECONTAMINATION OF ARTICLES AND EQUIPMENT WITHOUT HIGH RANGE DOSIMETERS AS REQUIRED BY THE RWP. CONTRARY TO 10 CFR 19.12, THREE CONTRACT DECONTAMINATION EMPLOYEES WORKING IN ROOLM 450/449 IN THE UNIT 1 AUXILIARY BUILDING (A RESTRICTED AREA) ON DECEMBER 28, 1987, WERE NOT ADEQUATELY INSTRUCTED IN THE PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE FOR ENTRY INTO EXCLUSION AREAS.
(8800 3)

CONTRARY TO 10 CFR 20.201(A) AND (B), THE REQUIREMENT TO PERFORM EVALUATIONS NECESSARY TO DEMONSTRATE COMPLIANCE WITH 10 CFR 20.201(B) AND 20.201(A) WAS NOT MET IN THAT THE LICENSEE FAILED TO MAKE ATTENUATION CORRECTIONS FOR CALIBRATING DETECTORS WITH SOLID GEOMETRIES WHICH RESULTED IN INACCURATE GAMMA SPECTROSCOPY MEASUREMENTS OF GASEOUS RADIOACTIVE MATERIAL RELEASED TO THE ENVIRONMENT. THESE MEASUREMENTS WERE USED TO DETERMINE COMPLIANCE WITH 10 CFR 20 106, TS AND THE OFFSITE DOSE CALCULATIONS MANUAL REQUIREMENTS.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 10, 1988

INSPECTION REPORT NO: 50-348/88-23

REPORTS FROM LICENSEE

FARLEY 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-017	06/15/88	07/13/88	TECHNICAL SPECIFICATION ACTION STATEMENT REQUIREMENT NOT MET FOR AN INOPERABLE FIRE HOSE STATION

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1. Docket: 50-364 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. HOODARD (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 860
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 864
8. Maximum Dependable Capacity (Net MWe): 823
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

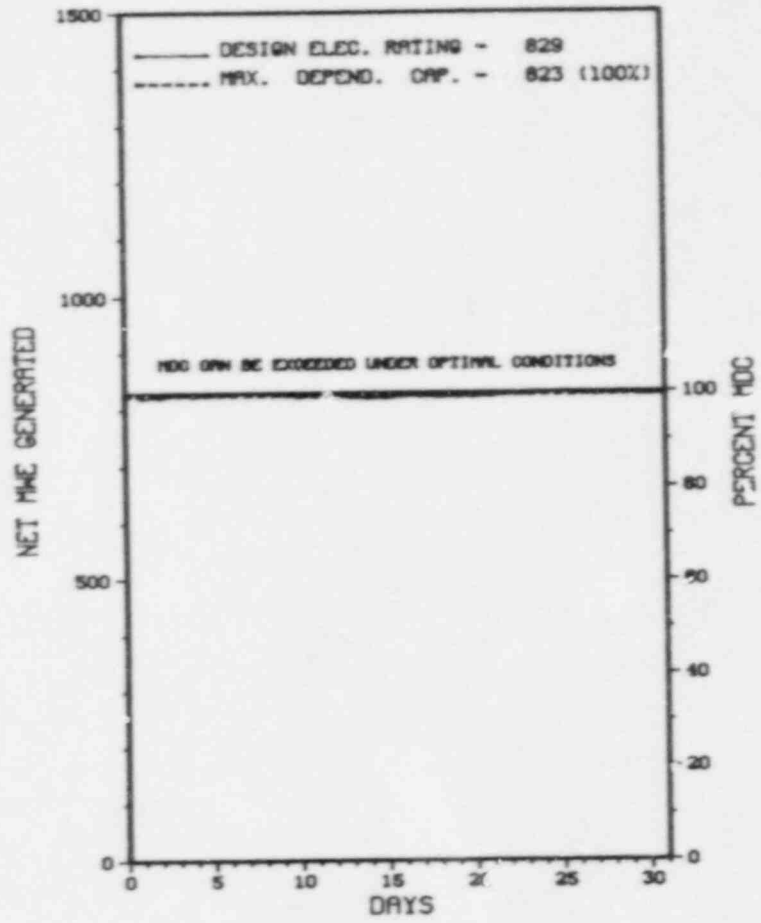
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	61,416.0
13. Hours Reactor Critical	744.0	5,111.0	52,999.0
14. Rx Reserve Shtdwn Hrs	.0	.0	138.4
15. Hrs Generator On-Line	744.0	5,111.0	52,359.5
16. Unit Reserve Shtdwn Hrs	.0	.2	.0
17. Gross Therm Ener (MWH)	1,973,019	13,508,939	134,461,050
18. Gross Elec Ener (MWH)	643,100	4,463,586	43,665,680
19. Net Elec Ener (MWH)	612,476	4,255,130	41,406,868
20. Unit Service Factor	100.0	100.0	85.3
21. Unit Avail Factor	100.0	100.0	85.3
22. Unit Cap Factor (MDC Net)	100.0	101.2	81.9
23. Unit Cap Factor (DER Net)	99.3	100.4	81.3
24. Unit Forced Outage Rate	.0	.0	4.9
25. Forced Outage Hours	.0	.0	2,690.4

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

FARLEY 2

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

NONE

SUMMARY

FARLEY 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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-Marual 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.....HOUSTON/LOVE MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36302

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 11 - JUNE 10 (88-19): THIS ROUTINE ON-SITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, RADIOLOGICAL PROTECTION PROGRAM, PHYSICAL SECURITY PROGRAM, LICENSEE EVENT REPORTS, DESIGN, DESIGN CHANGES AND MODIFICATIONS, 10 CFR 50.59 SAFETY EVALUATIONS, UNIT 1 STARTUP FROM REFUELING, COMPLIANCE WITH ATWS RULE, GENERIC LETTER 83-28, AND ACTION ON PREVIOUS INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES FOR STORAGE OF COMPRESSED GAS CYLINDERS; FAILURE TO PROVIDE ADEQUATE OPERABILITY INSPECTIONS OF UNIT 1 POST ACCIDENT CONTAINMENT VENTILATION FILTER UNIT; AND, FAILURE TO PROVIDE ADEQUATE 10 CFR 50.59 EVALJATION FOR EMERGENCY LIGHTING SYSTEM IN UNIT 1 CONTAINMENT.

INSPECTION JUNE 13-17 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF: VITAL AREA BARRIERS; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL OF PERSONNEL, PACKAGES, AND VEHICLES; COMMUNICATIONS; AND DETECTION AIDS VITAL AREAS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 11 - JULY 10 (88-23): THIS ROUTINE ON-SITE INSPECTION INVOLVED A REVIEW OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, ENGINEERED SAFETY SYSTEM INSPECTION, RADIOLOGICAL PROTECTION PROGRAM AND PHYSICAL SECURITY PROGRAM, LICENSEE EVENT REPORTS, AND FOLLOWUP OF EVENTS. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATION WAS IDENTIFIED: FAILURE TO REMOVE CHARCOAL FILTER UNITS FROM UNIT 2 PENETRATION ROOM VENTILATION EQUIPMENT ROOM.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.12.1 AND TS 6.12.2.: (1) ON DECEMBER 28, 1987, TWO DECONTAMINATION WORKERS ENTERED ROOM 450/449 IN THE UNIT 1 AUXILIARY BUILDING, A HIGH RADIATION AREA, IN WHICH THE INTENSITY OF RADIATION WAS IN EXCESS OF 100 MILLIREM PER HOUR, WITHOUT HAVING IN THEIR POSSESSION ONE OF THE REQUIRED RADIATION MONITORING DEVICES AND WITHOUT BEING ACCOMPANIED BY A HEALTH PHYSICS QUALIFIED INDIVIDUAL WHO MAINTAINED POSITIVE CONTROL OVER THE WORKERS' ACTIVITIES. (2) AS OF DECEMBER 28, 1987, A RADIOLOGICAL EXCLUSION AREA LOCATED IN ROOM 450/449, WHICH WAS ACCESSIBLE TO PERSONNEL AND WHICH HAD RADIATION LEVELS SUCH THAT A MAJOR PORTION OF THE BODY COULD RECEIVE IN ONE HOUR A DOSE GREATER THAN 1,000 MILLIREM, WAS NOT PROVIDED WITH LOCKED DOORS,BUT WAS PROVIDED WITH THREE YELLOW AND MAGENTA ROPES, RADIOLOGICAL WARNING SIGNS, AND A FLASHING RED LIGHT, WHICH WERE NOT ADEQUATE TO PREVENT UNAUTHORIZED ENTRY. CONTRARY TO TS 6.8.1, REGULATORY GUIDE 1.33, APPENDIX A, SECTION 7.E(1), PLANT PROCEDURE FNP-O-RCP-2, PLANT PROCEDURE FNP-O-M-001, HEALTH PHYSICS MANUAL, SECTION 6.3.6, AND SECTION 4.1.1.1.7, AND RWP 87-0010: (1) ON DECEMBER 28, 1987, A DECONTAMINATION WORKER ENTERED A HIGH RADIATION/EXCLUSION AREA WITH DOSE RATES UP TO APPROXIMATELY 150 REM PER HOUR AT 18 INCHES FROM THE SPENT FUEL POOL DEMINERALIZER WITHOUT HAVING A SPECIAL RWP PRIOR TO ENTRY. (2) ON DECEMBER 28, 1987, TWO INDIVIDUALS ENTERED A GH RADIATION AREA (ROOM 450) ON ROUTINE RWP 87-0010 TO PERFORM ROUTINE DECONTAMINATION OF ARTICLES AND EQUIPMENT WITHOUT HIGH RANGE DOSIMETERS AS REQUIRED BY THE RWP. CONTRARY TO 10 CFR 19.12, THREE CONTRACT DECONTAMINATION EMPLOYEES WORKING IN ROOLM 450/449 IN THE UNIT 1 AUXILIARY BUILDING (A RESTRICTED AREA) ON DECEMBER 28, 1987, WERE NOT ADEQUATELY INSTRUCTED IN THE PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE FOR ENTRY INTO EXCLUSION AREAS.
(8800 3)

CONTRARY TO 10 CFR 20.201(A) AND (B), THE REQUIREMENT TO PERFORM EVALUATIONS NECESSARY TO DEMONSTRATE COMPLIANCE WITH 10 CFR 20.201(B) AND 20.201(A) WAS NOT MET IN THAT THE LICENSEE FAILED TO MAKE ATTENUATION CORRECTIONS FOR CALIBRATING DETECTORS WITH SOLID GEOMETRIES WHICH RESULTED IN INACCURATE GAMMA SPECTROSCOPY MEASUREMENTS OF GASEOUS RADIOACTIVE MATERIAL RELEASED TO THE ENVIRONMENT. THESE MEASUREMENTS WERE USED TO DETERMINE COMPLIANCE WITH 10 CFR 20.106, TS AND THE OFFSITE DOSE CALCULATIONS MANUAL REQUIREMENTS.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE CONTINUES TENDON FIELD ANCHORS INSPECTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 10, 1988

INSPECTION REPORT NO: 50-364/88-23

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-341 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: P. M. ANTHONY (313) 586-1617
4. Licensed Thermal Power (MWt): 3292
5. Nameplate Rating (Gross MWe): 1215
6. Design Electrical Rating (Net MWe): 1093
7. Maximum Dependable Capacity (Gross MWe): 1093
8. Maximum Dependable Capacity (Net MWe): 1093
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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	4,573.0	4,573.0
13. Hours Reactor Critical	543.2	2,621.1	2,621.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	537.5	2,517.8	2,517.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,669,848	6,515,540	6,515,540
18. Gross Elec Ener (MWH)	557,802	2,118,955	2,118,955
19. Net Elec Ener (MWH)	527,608	2,006,532	2,006,532
20. Unit Service Factor	72.2	55.1	55.1
21. Unit Avail Factor	72.2	55.1	55.1
22. Unit Cap Factor (MDC Net)	64.9	40.1	40.1
23. Unit Cap Factor (DER Net)	64.9	40.1	40.1
24. Unit Forced Outage Rate	27.8	9.9	9.9
25. Forced Outage Hours	206.5	278.2	278.2

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

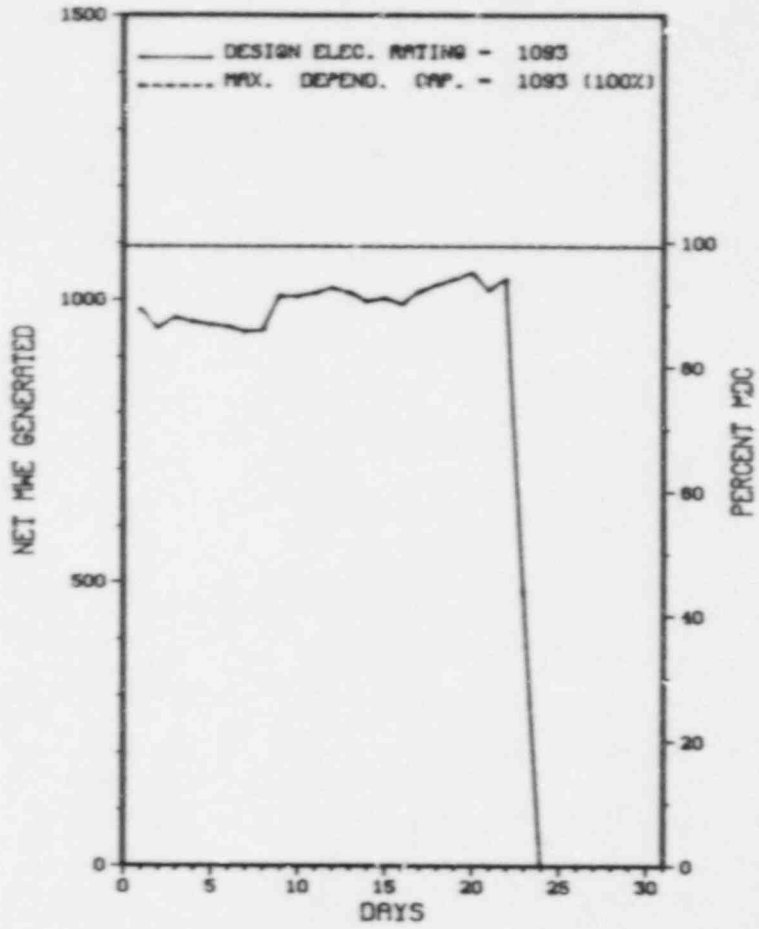
NONE

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

****
* FERMI 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FERMI 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* FERMI 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-002	07/23/88	F	206.5	A	1	88-026	BJ	V	UNIDENTIFIED LEAKAGE INCREASED UNTIL SHUTDOWN OF THE PLANT IN ACCORDANCE WITH TECHNICAL SPECIFICATION WAS NECESSARY. THREE VALVES WHICH WERE LEAKING WERE REPAIRED AND ITEMS ON THE FORCED OUTAGE SCHEDULE ARE BEING WORKED.

****
* SUMMARY *
****

FERMI 2 INCURRED ONE FORCED OUTAGE IN JULY FOR REASONS STATED ABOVE AND REMAINED SHUTDOWN AT END OF MONTH.

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

****
* FERMI 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....MONROE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...LAGUNA BEACH, MICH

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 21, 1985

DATE ELEC ENER 1ST GENER...SEPTEMBER 21, 1986

DATE COMMERCIAL OPERATE....JANUARY 23, 1988

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DETROIT EDISON

CORPORATE ADDRESS.....2000 SECOND AVENUE
DETRIOT, MICHIGAN 48226

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. ROGERS

LICENSING PROJ MANAGER.....T. QUAY
DOCKET NUMBER.....50-341

LICENSE & DATE ISSUANCE....NPF-43, JULY 15, 1985

PUBLIC DOCUMENT ROOM.....MONROE COUNTY LIBRARY SYSTEM
3700 SOUTH CUSTER ROAD
MONROE, MI. 48161

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 16-20 AND JUNE 6-10 (88018): SPECIAL, UNANNOUNCED SAFETY INSPECTION OF LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS, MSIV OPEN/CLOSE MANUAL RELAY LOGIC, SURVEILLANCE PROGRAM REVIEW, APPENDIX R-HIGH IMPEDANCE FAULT, DER REVIEW, USE-HISTORY RECORDS, AND ENGINEERING. THE INSPECTION WAS PERFORMED IN ACCORDANCE WITH IE PROCEDURES 92702, 92701, AND 41400. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO CONTROL THE REVIEW AND APPROVAL OF MAINTENANCE INSTRUCTIONS AS REQUIRED BY TS 6.8.1 AND FAILURE TO CONTROL USE-HISTORY DOCUMENTS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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

LAST IE SITE INSPECTION DATE: 06/23/88

INSPECTION REPORT NO: 88020

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-22	061588	071388	AUTOMATIC START OF DIVISION II EMERGENCY DIESEL GENERATORS AND CORE SPRAY PUMPS
88-24	070588	080488	ISOLATION OF HIGH PRESSURE COOLING INJECTION DUE TO PERSONNEL ERROR WHILE PERFORMING A SURVEILLANCE

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. COOK (315) 349-6569

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 816

7. Maximum Dependable Capacity (Gross MWe): 805

8. Maximum Dependable Capacity (Net MWe): 778

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

ITEM 7 & 8 RECALCULATED USING PREVIOUS YEARS DATA.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	114,072.0
13. Hours Reactor Critical	744.0	4,729.3	84,382.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,689.9	82,043.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,720,584	11,173,488	178,399,804
18. Gross Elec Ener (MWH)	571,550	3,804,950	60,412,350
19. Net Elec Ener (MWH)	552,115	3,672,240	58,450,710
20. Unit Service Factor	100.0	91.8	71.9
21. Unit Avail Factor	100.0	91.8	71.9
22. Unit Cap Factor (MDC Net)	95.4	91.8	65.9*
23. Unit Cap Factor (DER Net)	90.9	88.1	62.8
24. Unit Forced Outage Rate	.0	.0	11.1
25. Forced Outage Hours	.0	.0	10,337.5

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

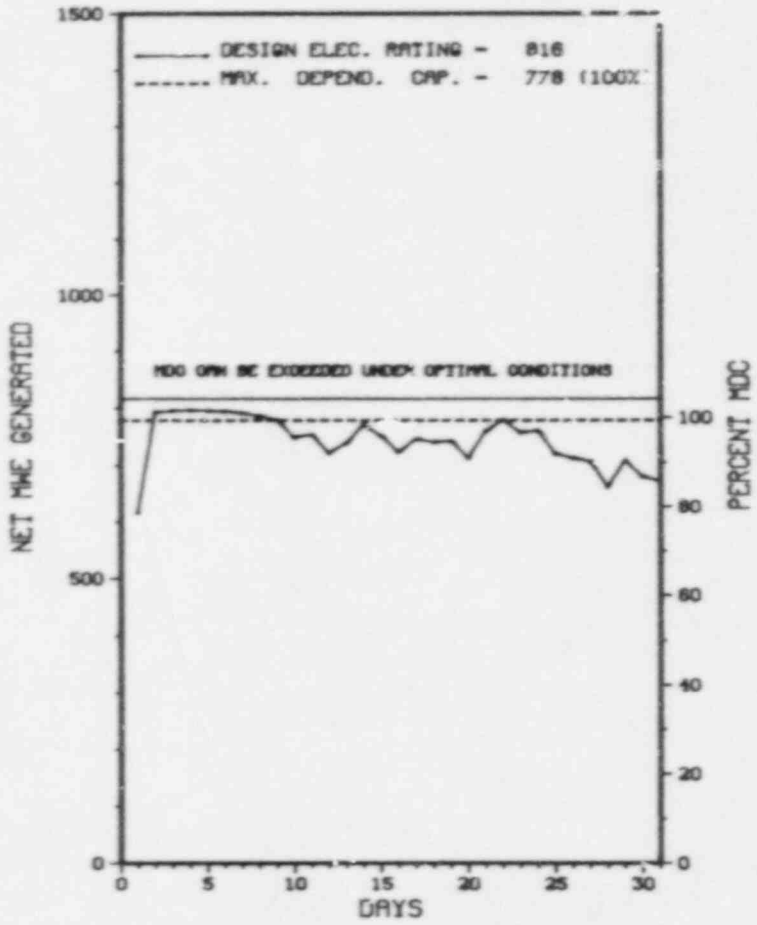
REFUEL - 08/26/88 - 75 DAY DURATION.

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

FITZPATRICK

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/01/88	F	0.0	H	5		SG	COND	REDUCED POWER TO CLEAN ALL CONDENSER WATER BOXES THEN RETURNED TO FULL POWER OPERATION.
4	07/16/88	S	0.0	C	5				COMMENCED COAST DOWN TO REFUELING.

SUMMARY

FITZPATRICK INCURRED ONE LOAD REDUCTION IN JULY FOR REASONS STATED ABOVE AND COMMENCED COAST DOWN TO REFUELING ON 7/16/88.

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

****
* 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.....NEW YORK POWER AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....A. LUPTAK

LICENSING PROJ MANAGER.....H. ABELSON
DOCKET NUMBER.....50-333

LICENSE & DATE ISSUANCE....DPR-59, OCTOBER 17, 1974

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-285 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1500

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

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 502

8. Maximum Dependable Capacity (Net MWe): 478

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	130,176.0
13. Hours Reactor Critical	744.0	5,111.0	102,670.8
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	744.0	5,111.0	100,979.9
16. Unit Reserve Shtdwn Hrs	.0	.?	.0
17. Gross Therm Ener (MWH)	1,009,228	6,909,37?	131,438,989
18. Gross Elec Ener (MWH)	325,930	2,312,034	43,596,810
19. Net Elec Ener (MWH)	309,051	2,197,648	41,341,716
20. Unit Service Factor	100.0	100.0	77.6
21. Unit Avail Factor	100.0	100.0	77.6
22. Unit Cap Factor (MDC Net)	86.9	90.0	68.9*
23. Unit Cap Factor (DER Net)	86.9	90.0	66.4
24. Unit Forced Outage Rate	.0	.0	2.9
25. Forced Outage Hours	.0	.0	1,857.6

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

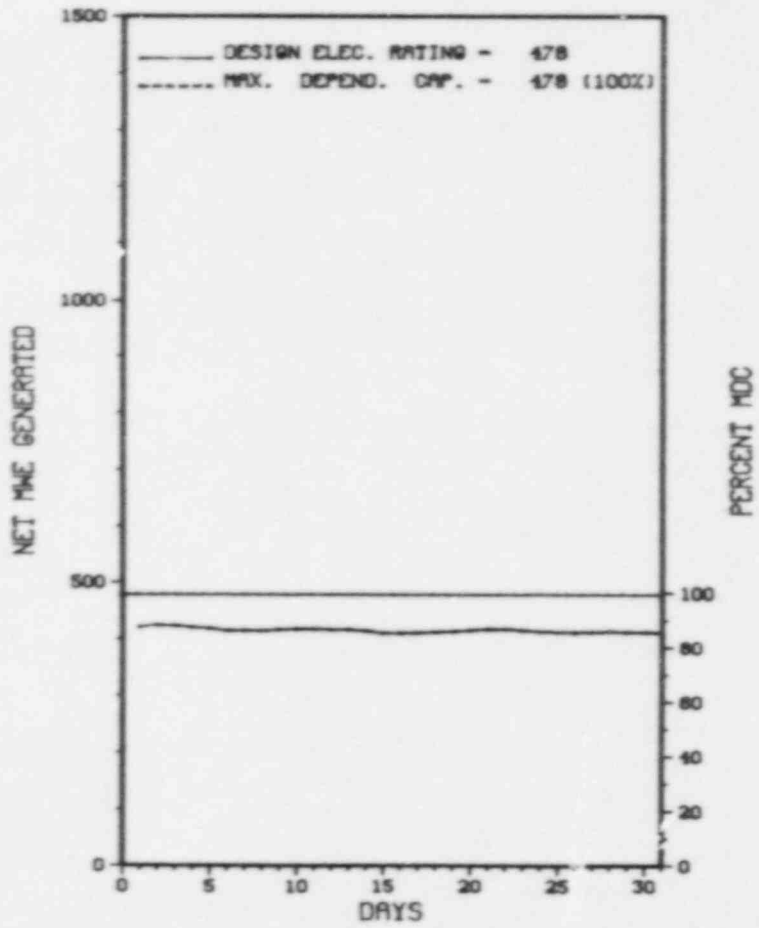
REFUELING - SEPTEMBER 2, 1988 - 76 DAY DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

FORT CALHOUN 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	06/18/88	S	0.0	H	5		SD	COND	ON JUNE 18, 1988, POWER WAS REDUCED TO 90% BECAUSE OF A POOR PERFORMING CONDENSER COUPLED WITH HIGH RIVER WATER TEMPERATURE CAUSED HIGH CONDENSER BACK PRESSURE. THE INCREASE IN CONDENSER BACK PRESSURE, ELEVATED THE CONDENSER HOT WELL TEMPERATURE AND CAUSED A REDUCTION IN HYDROGEN COOLING CAPABILITIES. THIS REDUCTION IN COOLING CAPABILITIES IS LIMITING THE ELECTRICAL OUTPUT OF THE GENERATOR. THE UNIT IS REMAINING AT 90%.

SUMMARY

FORT CALHOUN STATION INCURRED ONE POWER REDUCTION IN JULY FOR REASONS STATED 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 (LER) File (NUREG-0161)
			9-Other	

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

FACILITY DATA

Report Period JUL 1988

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.....P. HARRELL

LICENSING PROJ MANAGER.....P. MILANO
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 MAY 1-31, 1988 (88-16) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, PLANT TOURS, SAFETY-RELATED SYSTEM WALKDOWN, MONTHLY MAINTENANCE OBSERVA-TIONS, MONTHLY SURVEILLANCE OBSERVATIONS, SECURITY OBSERVATIONS, RADIO-LOGICAL PROTECTION OBSERVATIONS, AND IN-OFFICE REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DE-VIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 23-27, 1988 (88-17) ROUTINE, UNANNOUNCED INSPECTION INCLUDING FOLLOW-UP ON PREVIOUSLY IDENTIFIED ITEMS, LICENSEE EVENT REPORT FOLLOW-UP, SECURITY PLAN AND IMPLEMENTING PRO-CEDURES, MANAGEMENT EFFECTIVENESS, SECURITY ORGANIZATION, RECORDS AND AND REPORTS, LIGHTING, COMPENSATORY MEASURES, AND PERSONNEL TRAINING AND QUALIFICATION. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED JUNE 6-10, 1988 (88-18) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S WATER CHEMISTRY AND RADIOCHEMISTRY PROGRAMS, POSTACCIDENT SAMPLING SYSTEM (PASS), AND WATER CHEMISTRY CONFIRMATORY MEASUREMENTS. WITHIN THE AREAS INSPECTED, NO VIOLATION OR DEVIATIONS WERE IDENTIFIED. ONE PREVIOUSLY IDENTIFIED OPEN WAS CLOSED.

INSPECTION CONDUCTED JUNE 21-23, 1988 (88-20) ROUTINE, ANNOUNCED INSPECTION OF THE LICESEE'S PERFORMANCE AND CAPABILIT-IES DURING AN ANNUAL EXERCISE OF THE EMERGENCY PLAN AND PROCEDURES. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. FIFTEEN DEFICIENCIES WERE IDENTIFIED.

INSPECTION CONDUCTED JUNE 27-JULY 1, 1988 (88-21) ROUTINE, UNANNOUNCED INSPECTION OF THE CORRECTIVE ACTION PROGRAM. WITHIN THE

****
* FORT CALHOUN 1 *
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INSPECTION SUMMARY

AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED JUNE 29-JULY 18, 1988 (88-22) SPECIAL, UNANNOUNCED INSPECTION OF THE THERMAL MARGIN/LOW PRESSURE.REACTOR PROTECTION SYSTEM TRIP SETPOINT AND THE LIMITING CONDITION FOR OPERATION FOR EXCORE MONITORING OF LINEAR HEAT RATE. TWO POTENTIAL VIOLATIONS (INOPERABILITY OF THE THERMAL MARGIN/LOW PRESSURE TRIP FUNCTION OF THE REACTOR PROTECTION SYSTEM; PARA 3; AND REPORTING OF INACCURATE INFORMATION, PARA 7) WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TI TECH SPEC 5.2.2.E, THE LICENSEE FAILED TO PROVIDE PROPER MANNING ON EACH SHIFT FOR STAFFING OF THE ONSITE FIRE BRIGADE. CONTRARY TO ANSI 18.7-1972 AND PROCEDURE SO-G-7, THREE EXAMPLES OF FAILURE TO FOLLOW PROCEDURE WERE IDENTIFIED. FAILURE TO IMPLEMENT AND FOLLOW PROCEDURES. SAFEGUARDS INFO. FAILURE TO FOLLOW APPROVED PROCEDURES - CROSSTRAIN ISOLATION VALVES IN EMERGENCY DIESEL GENERATOR AIR START SYSTEM WERE OPEN. AREDUNDANT VAYLE IN EACH LINE WAS CLOSED. DEFICIENT PROCEDURE - PROCEDURE SOP 45 AND IVL 45-01 FAILED TO ADDRESS ALL OF THESE ISOLATION VALVES IN THE COOLING WATER LINE FROM THE DIESEL DRIVEN FIREWATER PUMP DISCHARGE TO THE DIESEL. FAILURE TO FOLLOW PROCEDURE - FUEL HANDLERS WORKING TO SSR86509136 DISPOSITIONING NCR86-218 HANDLE NEW CONTROL ELEMENTS WITH BARE HANDS IN DIRECT CONFLICT WITH THE STATED GUIDELINES IN THE DISPOSITION TO NCR 86-218. (8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

90% POWER OPERATION

LAST IE SITE INSPECTION DATE: JULY 18, 1988

INSPECTION REPORT NO: 50-285/88-21

REPORTS FROM LICENSEE

FORT CALHOUN 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 07/01/88 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): 271

11. Reasons for Restrictions, If Any:

REANALYSIS OF SAFE SHUTDOWN COOLING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	79,656.0
13. Hours Reactor Critical	119.4	3,798.1	37,199.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	113.2	3,487.3	25,068.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	74,262	1,954,374	12,735,787
18. Gross Elec Ener (MWH)	28,121	718,184	4,260,698
19. Net Elec Ener (MWH)	24,804	672,993	3,801,968
20. Unit Service Factor	15.2	68.2	31.5
21. Unit Avail Factor	15.2	68.2	31.5
22. Unit Cap Factor (MDC Net)	10.1	39.9	14.5
23. Unit Cap Factor (DER Net)	10.1	39.9	14.5
24. Unit Forced Outage Rate	.0	22.2	61.3
25. Forced Outage Hours	.0	992.9	39,669.5

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

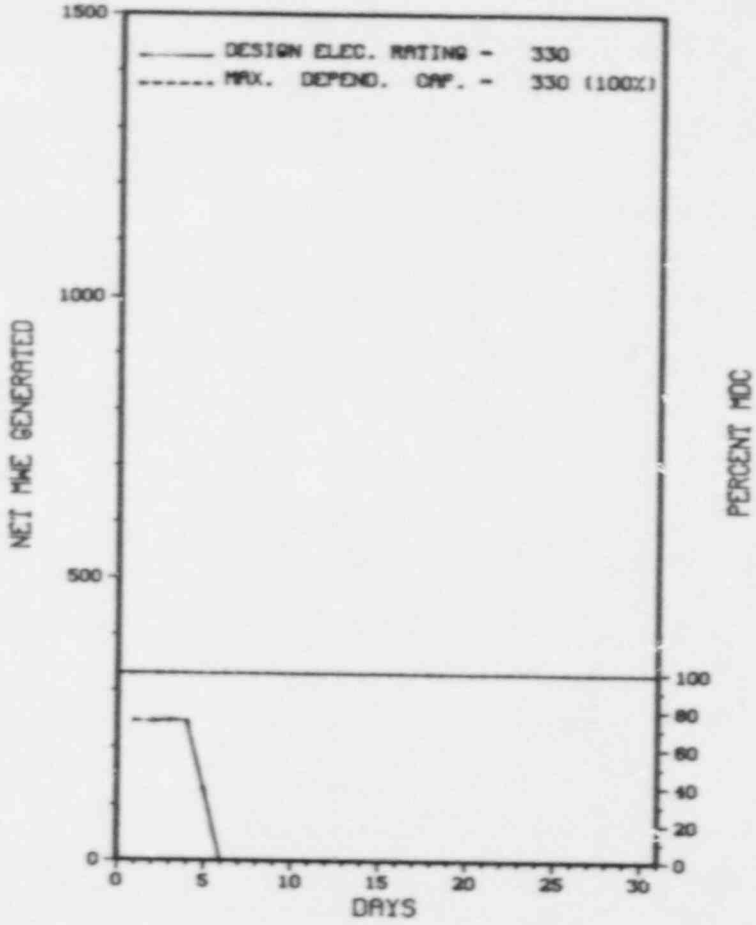
HELIUM CIRC. REPAIRS, 08/01/88.

27. If Currently Shutdown Estimated Startup Date: 10/11/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

FORT ST VRAIN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-12	07/05/88	S	630.8	H	1		AB	CMP	REACTOR MANUALLY SHUTDOWN FOR SCHEDULED REPLACEMENT OF HELIUM CIRCULATOR BOLTS. REFER TO LER 87-019.

SUMMARY

FORT ST. VRAIN WAS MANUALLY SHUTDOWN IN JULY FOR SCHEDULED REPLACEMENT OF HELIUM CIRCULATOR BOLTS.

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 JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

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

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

DATE ELEC ENER ^T GENER...DECEMBER 11, 1976

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....S. PLATTE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO

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

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

NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....R. FARRELL

LICENSING PROJ MANAGER.....K. HEITNER
DOCKET NUMBER.....50-267

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 1-31, 1988 (88-12) ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, LICENSEE EVENT REPORT REVIEW, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, RADIOLOGICAL PROTECTION, AND MONTHLY SECURITY OBSERVAION. WITHIN THE SIX AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. ONE DEVIA-TION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH. SPEC. AC 7.4, APPLICABLE PROCEDURES RECOMMENDED IN APP. A OF REG. GUIDE 1.33, 11/72, THE NRC INSPECTORS DETERMINED ON 4/13/88, THAT THE WATER CHEMISTRY INSTRUMENT QUALITY CONTROL CHARTS FOR ANALYSES FOR CHORIDE BY ION CHROMATOGRAPHY, SILICA BY SPECTROSCOPY, AND IRON AND COPPER BY GRAPHITE FURNACE ATOMIC ABSORPTION HAD NOT BEEN PROPERLY EVALUATED AND SEVERAL EXAMPLES OF OUT-OF-CONTROL SITUATIONS EXISTED FOR EACH OF THE ABOVE ANALYSES DURING THE TIME PERIOD 11/11/87, - 4/13/88, WITH NO DOCUMENTED EVALUATION OR CORRECTIVE ACTION TAKEN AS DIRECTED BY PROCEDURE.
(8800 5)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

80% AT END OF MONTH

LAST IE SITE INSPECTION DATE: MAY 31, 1988

INSPECTION REPORT NO: 50-267/88-12

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-244 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	163,751.0
13. Hours Reactor Critical	728.9	4,006.2	128,024.0
14. Rx Reserve Shtdwn Hrs	.0	.0	1,687.7
15. Hrs Generator On-Line	714.3	3,920.5	125,568.2
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	1,044,756	5,543,108	176,470,441
18. Gross Elec Ener (MWH)	345,922	1,868,470	57,996,056
19. Net Elec Ener (MWH)	328,741	1,771,396	54,985,681
20. Unit Service Factor	96.0	76.7	76.7
21. Unit Avail Factor	96.0	76.7	76.7
22. Unit Cap Factor (MDC Net)	94.0	73.9	72.9*
23. Unit Cap Factor (DER Net)	94.0	73.9	72.9*
24. Unit Forced Outage Rate	4.0	7.9	6.4
25. Forced Outage Hours	29.7	337.5	4,661.9

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

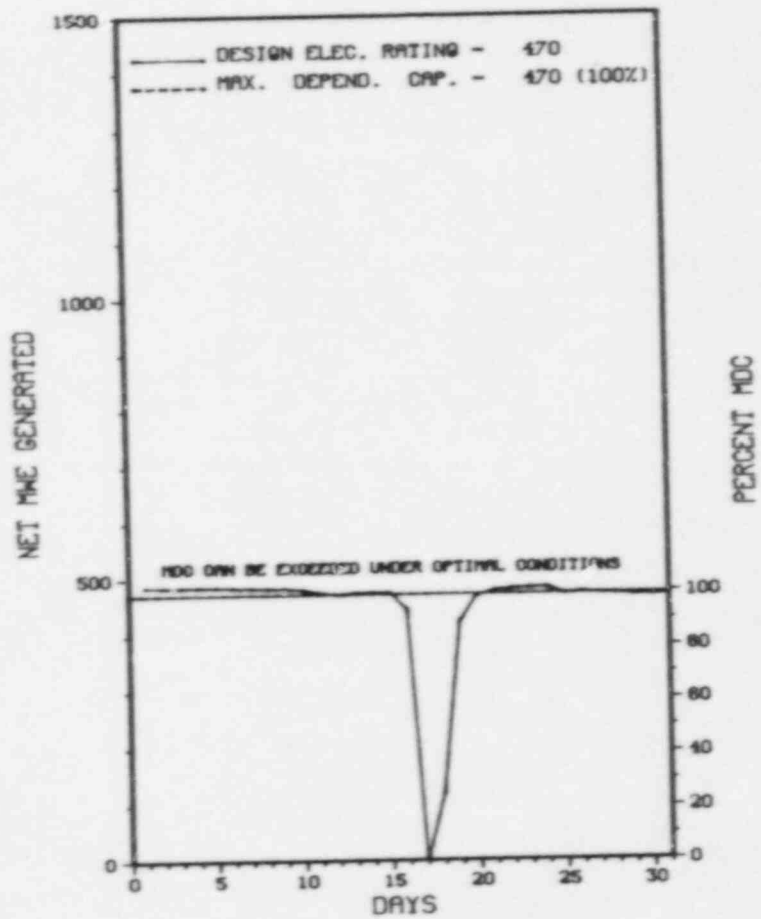
NONE

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

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

GINNA

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-5	07/16/88	F	29.7	A	1	88-006	EA	RELAYX	MANUAL CONTROLLED SHUTDOWN DUE TO A FAULT IN CIRCUIT BREAKER IN OFFSITE POWER TRANSMISSION SYSTEM.

SUMMARY

GINNA INCURRED ONE FORCED OUTAGE IN JULY DUE TO A FAULT IN CIRCUIT BREAKER.

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

****
* GINNA *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WAYNE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 8, 1969

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

DATE COMMERCIAL OPERATE....JULY 1, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC

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

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. MARSCHALL

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

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

PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14610

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.13 "HIGH RADIATION AREA" ON FEBR UARY 15, 1988, AT APPROXIMATELY 1830, A GROUP OF FOUR INDIVIDUALS WAS NOTED WORKING ON THE PRESSUR IZER INTERMEDIATE PLATFORM, A POSTED HIGH RADIATI ON AREA IN THE CONTAINMENT. THE GROUP DID NOT HAV E A RADIATION SURVEY METER OR ALARMING DOSIMETER IN THEIR POSSESSION. ADDITIONALLY, NO HEALTH PHYSICS PERIODIC SURVEILLANCE FREQUENCY WAS SPECIFIED ON THE CONTROLLING WORK PERMIT. CONTRARY TO TS 6.8 "PROCEDURES" NO DESCRIPTION OF RADIATION HAZARDS WHICH MAY BE ENCOUNTERED (I.E. , RADIATION OR CONTAMINATION LEVELS) WAS INCLUDED ON SWP S20290, S20475 AND S20947. THESE PERMITS WERE VERIFIED TO HAVE BEEN USED BY WORKERS. ALSO, NO DOCUMENTATION OF HP COVERAGE WAS MADE EITHER BY USE OF ATTACHMENT V OR BY HP SIGN-IN ON THE W ORK SWP, FOR SWP NOS 20342, 20387 OR 20337. EACH OF THESE SWPS REQUIRED HP SURVEY EVERY 60 MINUT ES. CONTRARY TO PROCEDURE HP-2.2.1 "WHOLE BODY C OUNTER SOURCE CHECK" ON JANUARY 19, JANUARY 25, AND FEBRUARY 15, 1988 THE DAILY SOURCE CHECK RES ULT FELL ABE THE (3 SIGMA CONTROL LIMIT AND THE WHOLE BODY COUNTER CONTINUED TO BE UTILIZED TO C OUNT PERSONNEL.
(8800 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: 50-416 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: S. M. HOBBS (601) 969-2458
4. Licensed Thermal Power (MWt): 3833
5. Nameplate Rating (Gross MWe): 1373
6. Design Electrical Rating (Net MWe): 1250
7. Maximum Dependable Capacity (Gross MWe): 1190
8. Maximum Dependable Capacity (Net MWe): 1142
9. If Changes Occur Above Since Last Report, Give Reasons:

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	27,048.0
13. Hours Reactor Critical	744.0	4,896.9	20,608.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,766.5	19,889.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,766,968	17,663,247	66,858,919
18. Gross Elec Ener (MWH)	890,810	5,800,320	20,991,730
19. Net Elec Ener (MWH)	855,219	5,574,445	20,053,639
20. Unit Service Factor	100.0	93.3	73.5
21. Unit Avail Factor	100.0	93.3	73.5
22. Unit Cap Factor (MDC Net)	100.7	95.5	64.9
23. Unit Cap Factor (DER Net)	92.0	87.3	59.3
24. Unit Forced Outage Rate	.0	4.4	6.3
25. Forced Outage Hours	.0	221.2	1,329.4

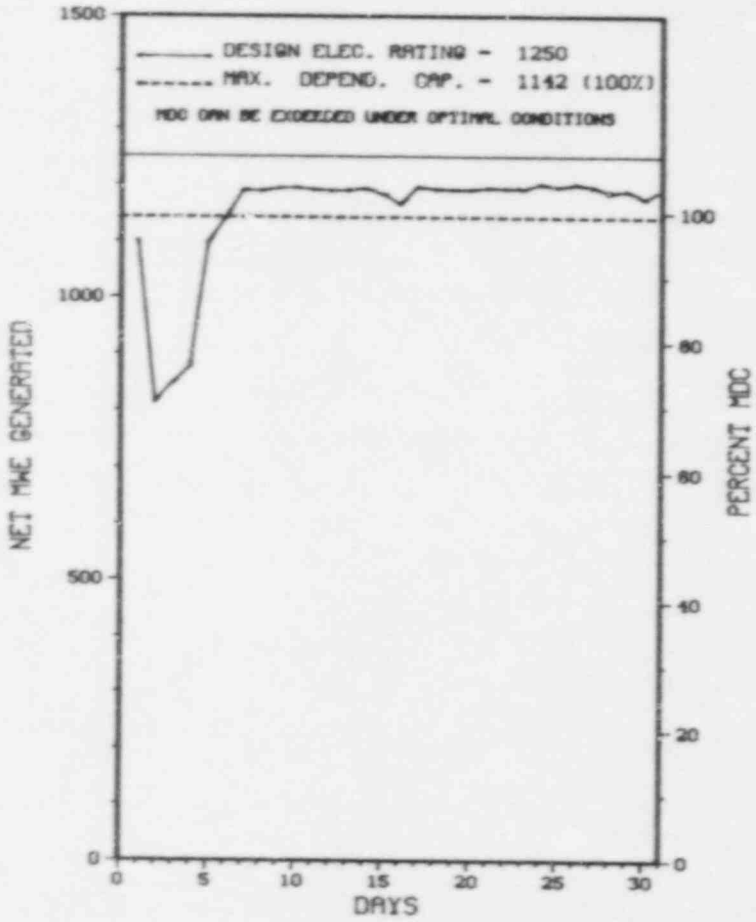
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

****
* GRAND GULF 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* GRAND GULF 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-5	07/01/88	S	0.0	B	5				ROD SEQUENCE EXCHANGE AND SCRAM TIME TESTING.

****
* SUMMARY *
****

GRAND GULF 1 INCURRED ONE LOAD REDUCTION DURING JULY FOR ROD SEQUENCE EXCHANGE AND SCRAM TIME 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)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MISSISSIPPI

COUNTY.....CLAIBORNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
VICKSBURG, MISS

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 18, 1982

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

DATE COMMERCIAL OPERATE....JULY 1, 1985

CONDENSER COOLING METHOD...CCHNDCT

CONDENSER COOLING WATER....MISSISSIPPI RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MISSISSIPPI POWER & LIGHT COMPANY

CORPORATE ADDRESS.....P.O. BOX 1640
JACKSON, MISSISSIPPI 39205

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. BUTCHER

LICENSING PROJ MANAGER.....L. KINTNER
DOCKET NUMBER.....50-416

LICENSE & DATE ISSUANCE....NPF-29, NOVEMBER 1, 1984

PUBLIC DOCUMENT ROOM.....HINDS JUNIOR COLLEGE
MC LENDON LIBRARY
RAYMOND, MISSISSIPPI 39154

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 16 - MAY 20 (88-08): THIS ROUTINE INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS, AND INFORMATION MEETING WITH LOCAL OFFICIALS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MAY 23-27 (88-10): THIS SPECIAL ANNOUNCED INSPECTION WAS PERFORMED TO ASSESS THE LICENSEE'S RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ANTICIPATED TRANSIENT WITHOUT SCRAM (ATWS) EVENTS. AREAS INSPECTED INCLUDED POST-TRIP REVIEW, EQUIPMENT CLASSIFICATION AND VENDOR INTERFACE, POST-MAINTENANCE TESTING, REACTOR TRIP SYSTEM (RTS) RELIABILITY, LICENSEE'S ACTION ON IEB'S, IEN'S, AND PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6-10 (88-11): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF ENGINEERING DESIGN, PLANT MODIFICATIONS, AND CALIBRATION FOR INSTRUMENTATION SYSTEMS TO COMPLY WITH REGULATORY GUIDE 1.97. FOLLOWUP OF OPEN ITEMS FROM PREVIOUS INSPECTIONS INVOLVED ENGINEERING, OPERATIONS AND MAINTENANCE OF ELECTRICAL EQUIPMENT. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. HOWEVER, AN UNRESOLVED MATTER WAS IDENTIFIED INVOLVING INSTRUMENTATION FOR THE DRYWELL PRESSURE. IN GENERAL, THE LICENSEE'S ORGANIZATION PERFORMED QUITE EFFECTIVELY IN CARRYING OUT ANALYSIS AND IMPLEMENTING MODIFICATIONS TO COMPLY WITH THE COMPREHENSIVE SET OF REQUIREMENTS CONTAINED IN REGULATORY GUIDE 1.97.

INSPECTION MAY 21 - JUNE 24 (88-12): THIS ROUTINE INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS AT THE SITE IN THE AREAS OF

INSPECTION SUMMARY

LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, ESF SYSTEM WALKDOWN, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS, AND REVIEW OF QUALITY ASSURANCE FOR UNIT 2 EXTENDED CONSTRUCTION DELAY. ALL AREAS EXCEPT FOR UNIT 2 EXTENDED CONSTRUCTION DELAY APPLIES ONLY TO UNIT 1. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING INADVERTENT AUXILIARY LUBE OIL PUMP STARTS ON THE DIVISION 2 DIESEL GENERATOR.

INSPECTION JUNE 25 - JULY 15 (88-14): THIS ROUTINE INSPECTION WAS CONDUCTED BY THE RESIDENT INSPECTORS AT THE SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, ESF SYSTEM WALKDOWN, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, INSPECTOR FOLLOWUP AND UNRESOLVED ITEMS, AND DESIGN, DESIGN CHANGES AND MODIFICATIONS. IN 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:

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

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-416/88-16 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1825

5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe) 596

8. Maximum Dependable Capacity (Net MWe): 569

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	180,431.0
13. Hours Reactor Critical	744.0	2,504.0	148,693.2
14. Rx Reserve Shtdwn Hrs	.0	.0	1,221.2
15. Hrs Generator On-Line	744.0	2,367.8	142,567.9
16. Unit Reserve Shtdwn Hrs	.0	.0	398.0
17. Gross Therm Ener (MWH)	1,355,951	4,009,937	246,779,941
18. Gross Elec Ener (MWH)	432,974	1,296,572	81,076,880
19. Net Elec Ener (MWH)	411,695	1,213,742	76,774,356
20. Unit Service Factor	100.0	46.3	79.0
21. Unit Avail Factor	100.0	46.3	79.2
22. Unit Cap Factor (MDC Net)	97.3	41.7	77.7*
23. Unit Cap Factor (DER Net)	95.1	40.8	73.1*
24. Unit Forced Outage Rate	.0	.0	5.9
25. Forced Outage Hours	.0	.0	2,432.8

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

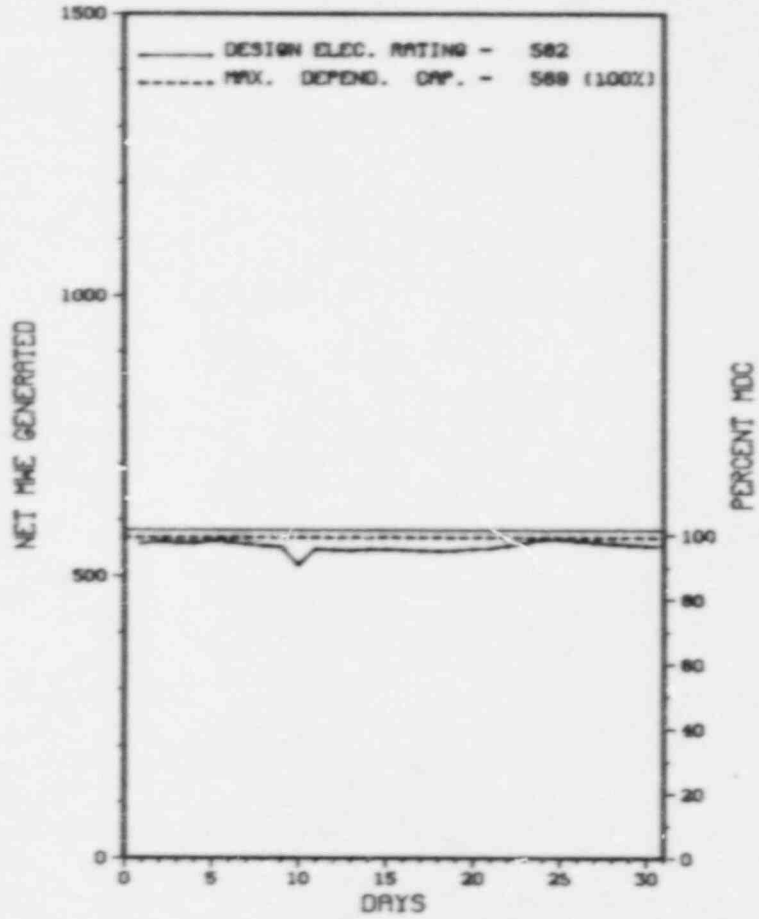
NONE

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

HADDAM NECK

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

HADDAM NECK OPERATED ROUTINELY IN JULY WITH NO SHUTDOWNS OR SIGNIFICANT LOAD REDUCTIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....MIDDLESEX

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 24, 1967

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

DATE COMMERCIAL OPERATE....JANUARY 1, 1968

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER ...CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. SCHEDLOSKY

LICENSING PROJ MANAGER.....A. WANG
DOCKET NUMBER.....50-213

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-400 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: MARK H. HALE (919) 362-2944
4. Licensed Thermal Power (MWt): 2775
5. Nameplate Rating (Gross MWe): 950
6. Design Electrical Rating (Net MWe): 900
7. Maximum Dependable Capacity (Gross MWe): 920
8. Maximum Dependable Capacity (Net MWe): 860
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

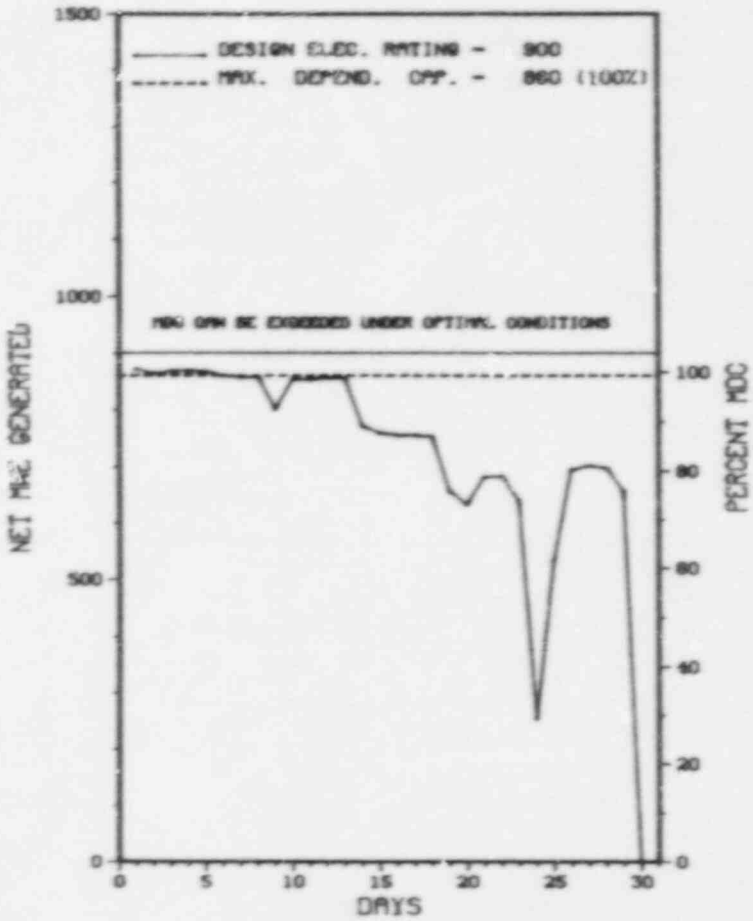
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	10,968.0
13. Hours Reactor Critical	700.4	4,877.6	9,327.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	699.6	4,865.0	9,188.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,709,582	13,106,386	24,256,527
18. Gross Elec Ener (MWH)	561,497	4,396,889	8,062,107
19. Net Elec Ener (MWH)	521,056	4,114,828	7,493,657
20. Unit Service Factor	94.0	95.2	83.8
21. Unit Avail Factor	94.0	95.2	83.8
22. Unit Cap Factor (MDC Net)	81.4	93.6	79.4
23. Unit Cap Factor (DER Net)	77.8	89.5	75.9
24. Unit Forced Outage Rate	.0	4.0	7.1
25. Forced Outage Hours	.0	201.6	704.9

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 09/23/88

****
* HARRIS 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HARRIS 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

HARRIS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-013	07/09/88	F	0.0	A	5		HH	VALVOP	TURBINE RUNBACK TO 90% DUE TO THE TRIP OF 1A HEATER DRAIN PUMP.
88-014	07/13/88	S	0.0	F	5		ZZ	ZZZZZZ	LOAD REDUCED TO 90% FOR FUEL CONSERVATION. THE LOAD WAS REDUCED TO 80% ON 7/20/88 AND INCREASED TO 83% ON 7/25/88.
88-015	07/20/88	S	0.0	B	5		HA	VALVEX	LOAD REDUCED TO 70% TO PERFORM TURBINE VALVE TESTING. THE REQUIRED TESTS WERE COMPLETED AND UNIT WAS RETURNED TO 80% FOR FUEL CONSERVATION.
88-016	07/23/88	F	0.0	A	5		HC	HTEXCH	LOAD REDUCED TO 30% DUE TO SECONDARY CHEMISTRY PARAMETERS INDICATION OF A CONDENSER TUBE LEAK.
88-017	07/30/88	S	44.4	C	1	88-021	ZZ	ZZZZZZ	UNIT RAMPED DOWN TO OFF LINE FOR REFUELING OUTAGE. DURING THE RAMP DOWN THE RUNNING MAINFEED PUMP (1B) TRIPPED ON LOW FLOW DUE TO A RECIRC VALVE FAILING TO OPEN ON LOAD DECREASE. AS A RESULT, BOTH MOTOR DRIVEN AFW PUMPS STARTED AS REQUIRED.

*** SUMMARY ***

HARRIS 1 INCURRED FOUR LOAD REDUCTIONS DURING JULY AND, SUBSEQUENTLY, RAMPED DOWN TO OFF LINE FOR SCHEDULED REFUELING OUTAGE.

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

****
* HARRIS 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....WAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI SW OF
RALEIGH, NC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 3, 1987

DATE ELEC ENER 1ST GENER...JANUARY 19, 1987

DATE COMMERCIAL OPERATE....MAY 2, 1987

CONDENSER COOLING METHOD...NDCT

CONDENSER COOLING WATER....MAKEUP RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....336 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....G. MAXWELL

LICENSING PROJ MANAGER.....B. BUCKLEY
DOCKET NUMBER.....50-400

LICENSE & DATE ISSUANCE....NPF-63, JANUARY 12, 1987

PUBLIC DOCUMENT ROOM.....RICHARD B. HARRISON LIBRARY
1313 NEW BERN AVE.
RALEIGH, N. C., 27610

INSPECTION STATUS

INSPECTION SUMMARY

4 INSPECTION MAY 16-19 (88-12): THIS SPECIAL, ANNOUNCED INSPECTION WAS AN EMERGENCY RESPONSE FACILITIES (ERF) APPRAISAL. AREAS EXAMINED DURING THE APPRAISAL INCLUDED A REVIEW OF SELECTED PROCEDURES AND REPRESENTATIVE RECORDS. THE ERFS, AND RELATED EQUIPMENT, AND INTERVIEWS WITH LICENSEE PERSONNEL. SELECTED ACTIVITIES WERE OBSERVED DURING THE 1988 ANNUAL EXERCISE TO ASCERTAIN THE ADEQUACY OF THE ERFS AND RELATED EQUIPMENT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 21-22 (88-18): THIS SPECIAL, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF NRC BULLETIN 88-05. THE INSPECTION INCLUDED INTERVIEWS WITH RESPONSIBLE LICENSEE PERSONNEL, OBSERVATION OF INVOLVED MATERIALS AND REVIEW OF TEST RECORDS. THE INSPECTION WAS CONDUCTED TO AIDE IN AN NRC INVESTIGATION RELATED TO THIS BULLETIN. IN THE AREA INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. THE LICENSEE APPEARED TO HAVE A WELL-PLANNED AND CONTROLLED PROGRAM FOR ADDRESSING THE CONCERNS DESCRIBED IN THE BULLETIN. THE TECHNICAL ASPECTS WERE ADEQUATELY ADDRESSED. MANAGEMENT HAD RECOGNIZED THE IMPORTANCE AND WAS CLEARLY INVOLVED IN ASSURING PROPER RESOLUTION OF THE MATTER.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

HARRIS HAS NOTIFIED NRC OF WJM MATERIAL (FLANGES) ONSITE. OI HAS TAKEN CUSTODY OF THREE FLANGES KNOWN TO BE FROM A HEAT NOT MEETING SPECIFICATIONS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ UNIT SHUTDOWN ON 7/30/88 IN SUPPORT OF SCHEDULED 5& REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-400/88-23 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-013	06/03/88	07/05/88	EMERGENCY DIESEL START DUE TO UNDERVOLTAGE ON 1A-SA EMERGENCY BUS
88-015	06/14/88	07/14/88	TECHNICAL SPECIFICATION NON-COMPLIANCE: FAILURE TO OBTAIN VENT STACK SAMPLE WHILE RADIATION MONITOR INOPERABLE
88-016	06/20/88	07/20/88	TECHNICAL SPECIFICATION VIOLATION DUE TO RCS LEAKAGE DETECTION SYSTEMS INOPERABLE

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 776

7. Maximum Dependable Capacity (Gross MWe): 789

8. Maximum Dependable Capacity (Net MWe): 756

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	110,303.0
13. Hours Reactor Critical	744.0	4,097.9	78,862.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,082.3	74,779.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,758,528	9,469,604	162,224,984
18. Gross Elec Ener (MWH)	563,250	3,036,330	52,415,710
19. Net Elec Ener (MWH)	538,660	2,889,693	49,820,912
20. Unit Service Factor	100.0	78.3	67.8
21. Unit Avail Factor	100.0	78.3	67.8
22. Unit Cap Factor (MDC Net)	95.8	74.8	59.7
23. Unit Cap Factor (DER Net)	93.3	72.9	58.2
24. Unit Forced Outage Rate	.0	19.0	13.8
25. Forced Outage Hours	.0	938.1	11,501.2

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

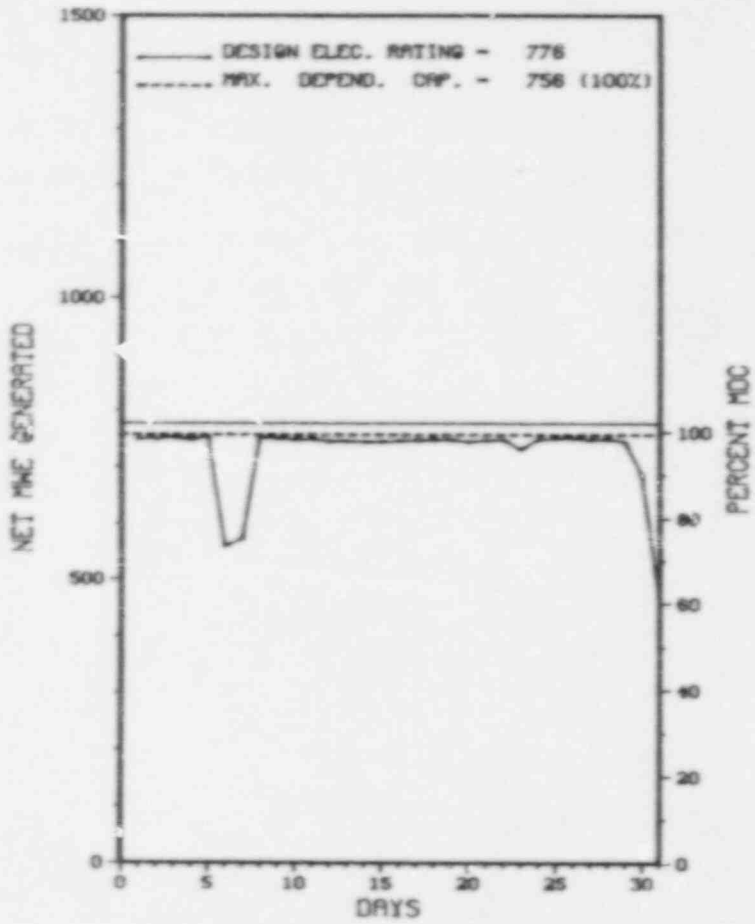
REFUELING - SEPTEMBER 28, 1988; 75 DAY DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



JULY 1988

Report Period JUL 1988

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

HATCH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-008	07/06/88	S	0.0	B	5		HC	HTEXCH	REDUCED LOAD FOR CONDENSER TUBE LEAK INSPECTION.
88-009	07/31/88	S	0.0	B	5		HC	HTEXCH	REDUCED LOAD FOR CONDENSER TUBE LEAK INSPECTION. WHILE AT REDUCED POWER PERFORMED A ROD PATTERN ADJUSTMENT AND THE REQUIRED WEEKLY TURBINE TESTING.

SUMMARY

HATCH 1 INCURRED TWO SCHEDULED LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974

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

DATE COMMERCIAL OPERATE....DECEMBER 31, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

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

LICENSING PROJ MANAGER.....L. CROCKER
DOCKET NUMBER.....50-321

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

PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31513

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 2-10 (88-12): SPECIAL ANNOUNCED TEAM INSPECTION OF THE EMERGENCY OPERATING PROCEDURES (EOPS) TO INCLUDE A COMPARISON OF THE EOPS WITH THE BWR OWNERS GROUP EMERGENCY PROCEDURE GUIDELINES AND THE PLANT SPECIFIC TECHNICAL GUIDELINES FOR TECHNICAL ADEQUACY, REVIEWS OF THE EOPS THROUGH CONTROL ROOM AND PLANT WALKDOWNS, EVALUATION OF THE EOPS ON THE PLANT SIMULATOR, HUMAN FACTOR ANALYSIS OF THE EOPS, EOP TRAINING, ON-GOING EVALUATION PROGRAM FOR EOPS, QA MEASURES, QUALITY OF THE CONTROL ROOM DRAWINGS AND AN EVALUATION OF THE CONTAINMENT VENTING PROVISIONS.

INSPECTION MAY 21 - JUNE 24 (88-17): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATIONS, SURVEILLANCE TESTING OBSERVATIONS, ESF SYSTEM WALKDOWNS, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, AND LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS. TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. ONE VIOLATION WAS FOR FAILURE TO ADEQUATELY ESTABLISH AND IMPLEMENT DIESEL GENERATOR BUILDING VENTILATION SYSTEM PROCEDURES. THE SECOND VIOLATION WAS FOR DEFICIENT OPERATING PROCEDURES. THE DEVIATIONS WAS FOR FAILURE TO PERIODICALLY TEST DIESEL GENERATOR BUILDING VENTILATION SYSTEM THERMOSTATS AND DAMPERS.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS RADWASTE MANAGEMENT, LIQUID AND GASEOUS EFFLUENT MONITORING, REACTOR COOLANT CHEMISTRY AND ENVIRONMENTAL MONITORING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

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 22, 1988

INSPECTION REPORT NO: 50-321/88-22

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-007	05/31/88	06/29/88	LACK OF ADMINISTRATIVE CONTROL CAUSES POTENTIAL EMERGENCY DIESEL GENERATOR INOPERABILITY

1. Docket: 50-366 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

5. Nameplate Rating (Gross MWe): 850

6. Design Electrical Rating (Net MWe): 784

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 768

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	78,072.0
13. Hours Reactor Critical	744.0	2,830.6	55,522.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,449.2	53,023.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,772,400	5,431,502	114,169,825
18. Gross Elec Ener (MWH)	578,830	1,771,000	37,526,100
19. Net Elec Ener (MWH)	553,939	1,673,162	35,717,674
20. Unit Service Factor	100.0	47.9	67.9
21. Unit Avail Factor	100.0	47.9	67.9
22. Unit Cap Factor (MDC Net)	96.9	42.6	59.6
23. Unit Cap Factor (DER Net)	95.0	41.8	58.4
24. Unit Forced Outage Rate	.0	29.4	9.6
25. Forced Outage Hours	.0	1,021.9	5,605.7

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

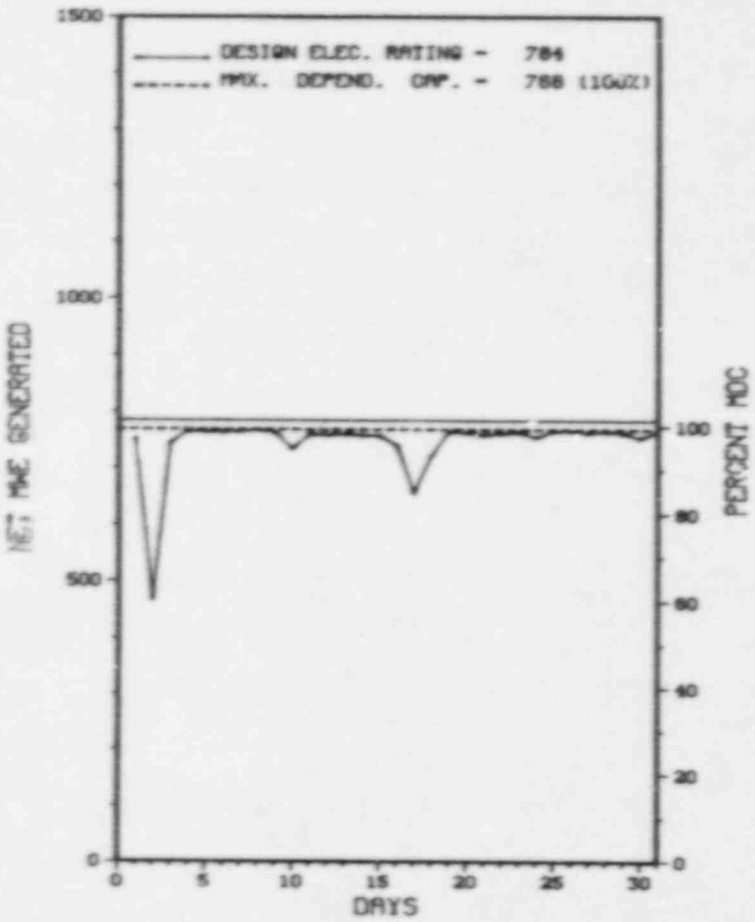
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

HATCH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-010	07/02/88	F	8.0	B	5		CD	VALVOP	THE MOTOR FOR OUTBOARD MSIV LEAKAGE CONTROL SYSTEM VALVE NO. 2E32-F001P FAILED TO OPERATE PROPERLY DURING A NORMAL SYSTEM SURVEILLANCE AND WAS SUBSEQUENTLY REPAIRED.

SUMMARY

HATCH 2 INCURRED ONE FORCED LOAD REDUCTION DURING JULY DUE TO EQUIPMENT FAILURE.

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

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

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

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 4, 1978

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

DATE COMMERCIAL OPERATE....SEPTEMBER 5, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

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

LICENSING PROJ MANAGER.....L. CROCKER
DOCKET NUMBER.....50-366

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

PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31513

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

INSPECTION SUMMARY

+ INSPECTION MAY 2-10 (88-12): SPECIAL ANNOUNCED TEAM INSPECTION OF THE EMERGENCY OPERATING PROCEDURES (EOPS) TO INCLUDE A COMPARISON OF THE EOPS WITH THE BWR OWNERS GROUP EMERGENCY PROCEDURE GUIDELINES AND THE PLANT SPECIFIC TECHNICAL GUIDELINES FOR TECHNICAL ADEQUACY, REVIEWS OF THE EOPS THROUGH CONTROL ROOM AND PLANT WALKDOWNS, EVALUATION OF THE EOPS ON THE PLANT SIMULATOR, HUMAN FACTOR ANALYSIS OF THE EOPS, EOP TRAINING, ON-GOING EVALUATION PROGRAM FOR EOPS, QA MEASURES, QUALITY OF THE CONTROL ROOM DRAWINGS AND AN EVALUATION OF THE CONTAINMENT VENTING PROVISIONS.

INSPECTION MAY 21 - JUNE 24 (88-17): THIS ROUTINE INSPECTION WAS CONDUCTED AT THE SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATIONS, SURVEILLANCE TESTING OBSERVATIONS, ESF SYSTEM WALKDOWNS, RADIOLOGICAL PROTECTION, PHYSICAL SECURITY, REPORTABLE OCCURRENCES, OPERATING REACTOR EVENTS, AND LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS. TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. ONE VIOLATION WAS FOR FAILURE TO ADEQUATELY ESTABLISH AND IMPLEMENT DIESEL GENERATOR BUILDING VENTILATION SYSTEM PROCEDURES. THE SECOND VIOLATION WAS FOR DEFICIENT OPERATING PROCEDURES. THE DEVIATIONS WAS FOR FAILURE TO PERIODICALLY TEST DIESEL GENERATOR BUILDING VENTILATION SYSTEM THERMOSTATS AND DAMPERS.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF LIQUID AND GASEOUS RADWASTE MANAGEMENT, LIQUID AND GASEOUS EFFLUENT MONITORING, REACTOR COOLANT CHEMISTRY AND ENVIRONMENTAL MONITORING. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 22, 1988

INSPECTION REPORT NO: 50-366/88-22

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-019	06/04/88	07/05/88	PERSONNEL ERROR RESULTS IN MISSED REACTOR PROTECTION SYSTEM FUNCTIONAL TEST

1. Docket: 50-354 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN H. GORMAN (609) 339-3400

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1118

6. Design Electrical Rating (Net MWe): 1067

7. Maximum Dependable Capacity (Gross MWe): 1118

8. Maximum Dependable Capacity (Net MWe): 1067

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	14,159.0
13. Hours Reactor Critical	744.0	3,680.1	11,538.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,524.0	11,269.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,465,594	11,444,256	35,252,823
18. Gross Elec Ener (MWH)	791,843	3,772,394	11,684,091
19. Net Elec Ener (MWH)	759,077	3,607,192	11,172,230
20. Unit Service Factor	100.0	68.9	79.6
21. Unit Avail Factor	100.0	68.9	79.6
22. Unit Cap Factor (MDC Net)	95.6	66.1	74.0
23. Unit Cap Factor (DER Net)	95.6	66.1	74.0
24. Unit Forced Outage R	.0	2.6	7.0
25. Forced Outage Hours	.0	92.3	852.9

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

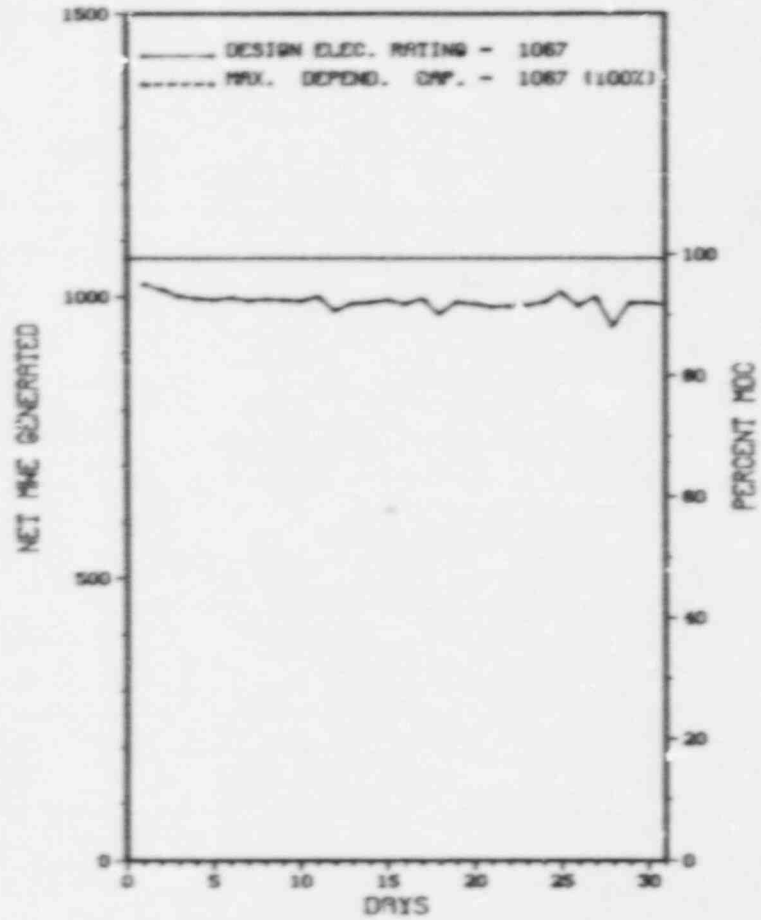
MID-CYCLE - 1/14/89, 21 DAY DURATION.

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

****
* HOPE CREEK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HOPE CREEK 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

HOPE CREEK 1

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

SUMMARY

HOPE CREEK OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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)

****
* HOPE CREEK 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
WILMINGTON, DEL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 28, 1986

DATE ELEC ENER 1ST GENER...AUGUST 1, 1986

DATE COMMERCIAL OPERATE....DECEMBER 20, 1986

CONDENSER COOLING METHOD...NDCT

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR..... .

LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-354

LICENSE & DATE ISSUANCE....NPF-57, JULY 25, 1986

PUBLIC DOCUMENT ROOM.....PENNSVILLE PUBLIC LIBRARY
190 SOUTH BROADWAY
PENNSVILLE, N. J. 08070

INSPECTION STATUS

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

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

HOPE CREEK 1

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

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

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K. KRIEGER (914) 526-5155

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 885

8. Maximum Dependable Capacity (Net MWe): 849

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	123,480.0
13. Hours Reactor Critical	336.4	3,973.0	84,592.1
14. Rx Reserve Shtdwn Hrs	.0	.0	2,867.6
15. Hrs Generator On-Line	318.9	3,785.7	82,182.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Thrm Ener (MWH)	854,192	10,099,100	214,941,970
18. Gross Elec Ener (MWH)	267,196	3,292,382	66,905,938
19. Net Elec Ener (MWH)	252,206	3,153,570	63,289,358
20. Unit Service Factor	42.9	74.1	66.6
21. Unit Avail Factor	42.9	74.1	66.6
22. Unit Cap Factor (MDC Net)	39.9	72.1	60.3*
23. Unit Cap Factor (DER Net)	38.8	70.7	58.7
24. Unit Forced Outage Rate	57.1	11.4	8.9
25. Forced Outage Hours	425.1	488.0	7,746.0

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

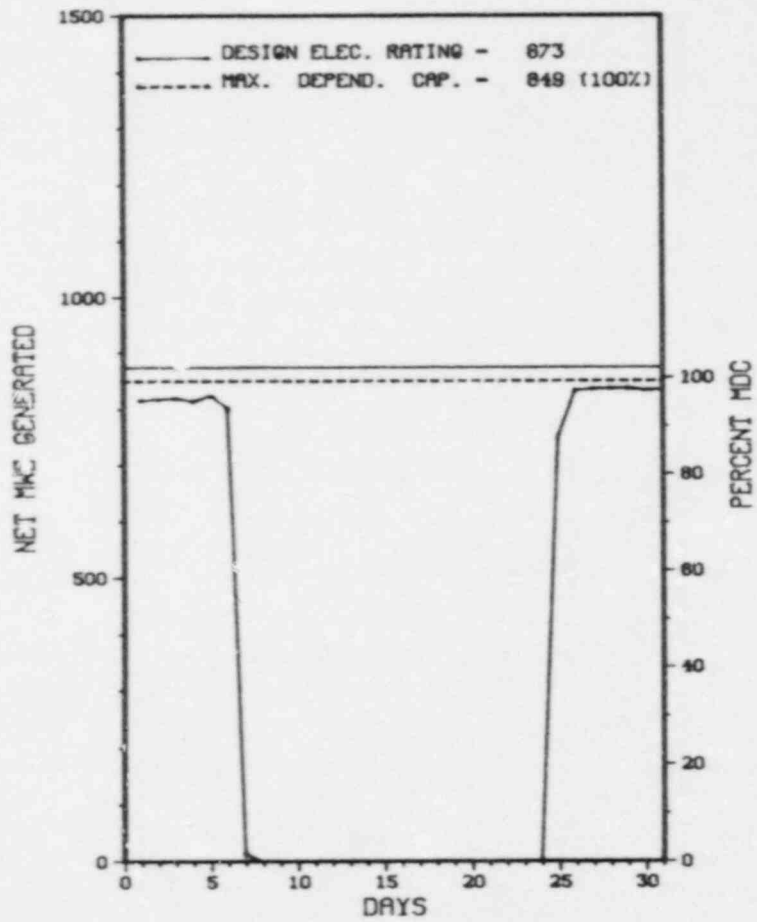
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/07/88	F	425.1	A	2		CH	HTEXCH	22 STEAM GENERATOR TUBE LEAK.

****
* SUMMARY *
****

INDIAN POINT 2 INCURRED ONE FORCED OUTAGE IN JULY DUE TO 22 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)

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM NEAREST POPULATION CTR...25 MI N OF NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1973
DATE ELEC ENER 1ST GENER...JUNE 26, 1973
DATE COMMERCIAL OPERATE....AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....HUDSON RIVER
ELECTRIC RELIABILITY COUNCIL.....NORTHEAST POWER COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSOLIDATED EDISON
CORPORATE ADDRESS.....4 IRVING PLACE NEW YORK, NEW YORK 10003

CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

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

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	104,496.0
13. Hours Reactor Critical	744.0	4,571.6	63,916.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,513.6	61,979.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,249,006	13,333,803	165,345,946
18. Gross Elec Ener (MWH)	721,760	4,371,360	52,749,416
19. Net Elec Ener (MWH)	694,684	4,216,950	50,607,508
20. Unit Service Factor	100.0	88.3	59.3
21. Unit Avail Factor	100.0	88.3	59.3
22. Unit Cap Factor (MDC Net)	96.8	85.5	50.2
23. Unit Cap Factor (DER Net)	96.8	85.5	50.2
24. Unit Forced Outage Rate	.0	3.3	17.6
25. Forced Outage Hours	.0	156.0	13,245.4

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

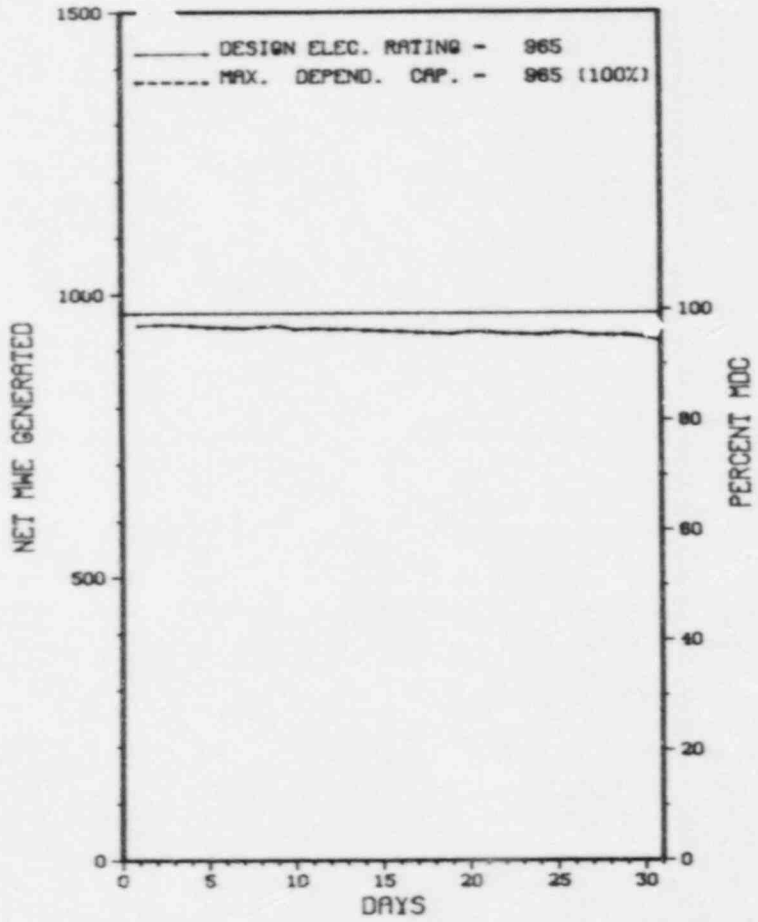
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 3

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

SUMMARY

INDIAN POINT 3 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976

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

DATE COMMERCIAL OPERATE....AUGUST 30, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEW YORK POWER AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. KOLTAY

LICENSING PROJ MANAGER.....J. NE[illegible]ORS
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.

INDIAN POINT 3

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-305 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: G. RUITER (414) 388-2560 X225
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 622 X 0.9 = 560
6. Design Electrical Rating (Net MWe): 535
7. Maximum Dependable Capacity (Gross MWe): 529
8. Maximum Dependable Capacity (Net MWe): 503
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	123,840.0
13. Hours Reactor Critical	744.0	4,153.6	105,615.9
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	744.0	4,090.0	103,971.8
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MWH)	1,196,631	6,462,951	163,881,925
18. Gross Elec Ener (MWH)	401,400	2,166,500	54,452,600
19. Net Elec Ener (MWH)	382,106	2,064,942	51,569,452
20. Unit Service Factor	100.0	80.0	84.0
21. Unit Avail Factor	100.0	80.0	84.0
22. Unit Cap Factor (MDC Net)	102.1	80.3	80.8*
23. Unit Cap Factor (DER Net)	96.0	75.5	77.8
24. Unit Forced Outage Rate	.0	1.2	2.8
25. Forced Outage Hours	.6	50.1	2,888.9

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

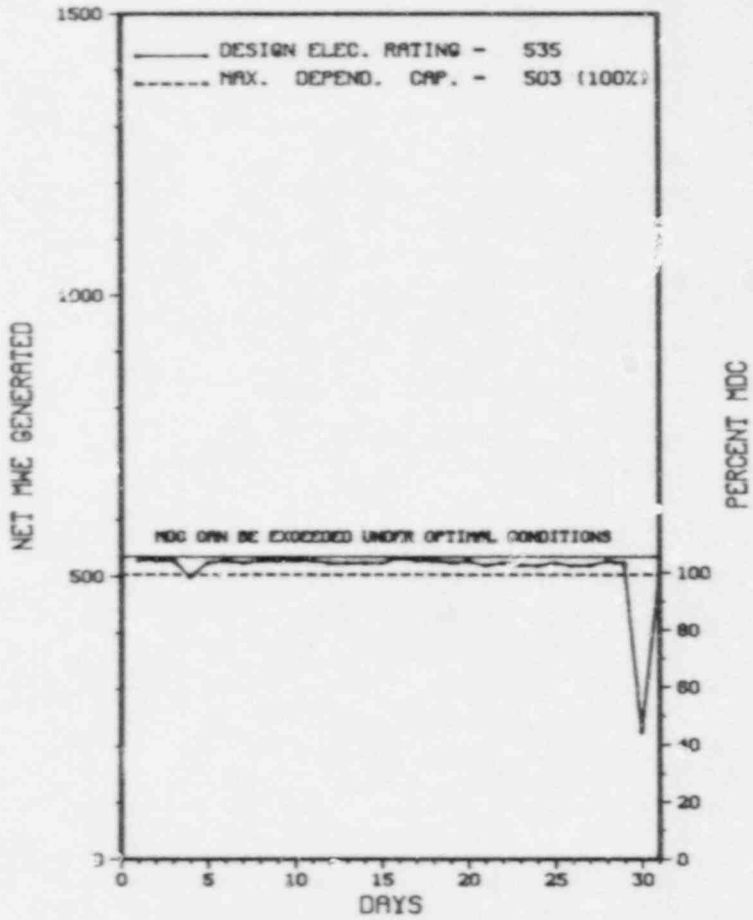
NONE

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

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

KEWAUNEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/30/88	S	0.0	B	5		HC	HTEXCH	UNIT LOAD WAS REDUCED TO 225 MWE GROSS TO PERMIT CLEANING OF THE MAIN CONDENSER TUBES TO REMOVE BIOLOGICAL FOULING. THE UNIT WAS RETURNED TO FULL POWER ON 7/31/88.

*** SUMMARY ***

KEWAUNEE INCURRED ONE LOAD REDUCTION IN JULY FOR REASONS STATED 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)

****
* 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.....J. GIITTER
DOCKET NUMBER.....50-305

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM MAY 15 THROUGH JUNE 30 (88014): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; GENERIC LETTER FOLLOWUP; ONSITE FOLLOWUP OF EVENTS; VERIFICATION OF QUALITY ASSURANCE FOR DIESEL GENERATOR FUEL OIL; AND PERSONNEL ACCESS. ONE VIOLATION OF REGULATORY REQUIREMENTS WAS IDENTIFIED IN THE AREA OF PERSONNEL ACCESS TO CONTROLLED AREAS. TWO OPEN ITEMS FROM A PREVIOUS INSPECTION WERE CLOSED (REPORT NO. 305/87013(DRS)). IN GENERAL, THE INSPECTION RESULTS INDICATE A CONTINUING GOOD PERFORMANCE. THE INSPECTORS NOTED THAT THE LICENSEE HAS INITIATED A COMPREHENSIVE INVESTIGATION AND EVALUATION TO DETERMINE THE ROOT CAUSE OF THREE ASCO SOLENOID VALVE FAILURES.

INSPECTION ON JUNE 20-24 (88015): ROUTINE, ANNOUNCED INSPECTION OF THE CHEMISTRY PROGRAM, INCLUDING (1) PROCEDURES, ORGANIZATION, AND TRAINING (IP 83722, 83723); (2) REACTOR SYSTEMS WATER QUALITY CONTROL PROGRAMS (IP 79701); (3) QUALITY ASSURANCE/QUALITY CONTROL PROGRAM IN THE LABORATORY (IP 79701); AND (4) NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS (IP 79701). THE LICENSEE HAS AN EXTENSIVE WATER QUALITY CONTROL PROGRAM, INCLUDING THE USE OF BORON ADDITION TO THE SECONDARY SYSTEM. HOWEVER, THE ACTION LEVELS IN THE PROGRAM DO NOT PROVIDE SPECIFIC RESPONSES THAT CONFORM TO THOSE OF THE EPRI STEAM GENERATOR OWNERS GUIDELINES. THE NONRADIOLOGICAL CONFIRMATORY MEASUREMENTS RESULTS DEMONSTRATED SOME WEAKNESSES IN THE CHEMICAL MEASUREMENTS QA/QC PROGRAM. LICENSEE REPRESENTATIVES AGREED TO CORRECT THESE PROBLEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

K.W. EVERS WAS ASSIGNED AS MANAGER OF THE KEWAUNEE PLANT EFFECTIVE JUNE 1, 1988. C.R. STEINHARDT WAS ASSIGNED AS MANAGER OF NUCLEAR POWER EFFECTIVE JUNE 1, 1988.

PLANT STATUS:

SHUT DOWN FOR REFUELING; OPERATING AT POWER

LAST IE SITE INSPECTION DATE: 06/24/88

INSPECTION REPORT NO: 88015

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-08	061688	071888	FAILURE TO INSTALL ELECTRICAL JUMPERS DURING RADIATION MONITOR CALIBRATION RESULTS IN INADVERTANT ESF ACTUATION

1. Docket: 50-373 O P E R A T I N G S T A T U S
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: G. J. KIRCHNER (815) 357-6761 X 705
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1078
6. Design Electrical Rating (Net MWe): 1078
7. Maximum Dependable Capacity (Gross MWe): 1078
8. Maximum Dependable Capacity (Net MWe): 1036
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	40,175.3
13. Hours Reactor Critical	528.3	2,258.1	22,301.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,640.9
15. Hrs Generator On-Line	416.5	2,146.3	21,574.9
16. Unit Reserve Shtdwn Hrs	.0	.0	1.0
17. Gross Therm Ener (MWH)	777,504	6,029,592	63,999,908
18. Gross Elec Ener (MWH)	237,635	2,015,266	18,982,525
19. Net Elec Ener (MWH)	221,668	1,923,401	18,033,189
20. Unit Service Factor	56.0	42.0	53.7
21. Unit Avail Factor	56.0	42.0	53.7
22. Unit Cap Factor (MDC Net)	28.8	36.3	43.3
23. Unit Cap Factor (DER Net)	27.6	34.9	41.6
24. Unit Forced Outage Rate	26.0	6.4	13.7
25. Forced Outage Hours	146.3	146.3	3,419.9

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

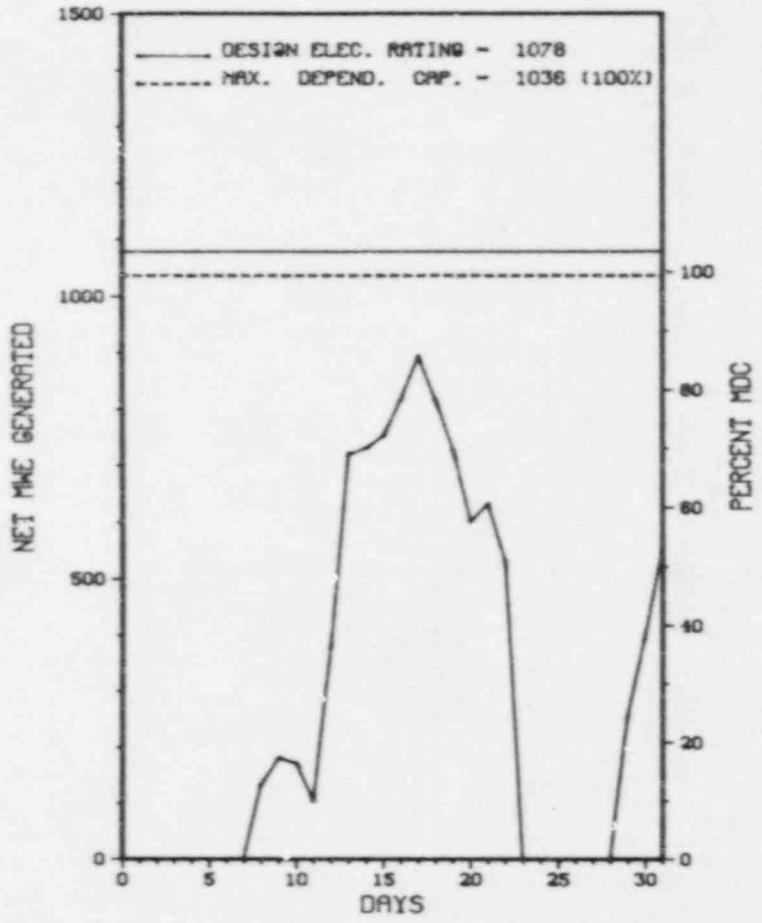
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	07/01/88	S	172.4	C	4				CONTINUATION OF SECOND REFUEL OUTAGE.
5	07/11/88	S	8.8	B	1				TURBINE OFF-LINE FOR OVERSPEED TESTING.
6	07/23/88	F	146.3	B	2				REPAIR STEAM LEAKS IN HEATER BAY AND OTHER MAINTENANCE. REPLACE G S/RV.

SUMMARY

LA SALLE 1 ENTERED JULY SHUTDOWN FOR SCHEDULED REFUELING. SUBSEQUENTLY INCURRED TWO OUTAGES WHILE RETURNING TO 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)

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LA SALLE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 21, 1982

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

DATE COMMERCIAL OPERATE....JANUARY 1, 1984

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

LICENSING PROJ MANAGER.....P. SHEMANSKI
DOCKET NUMBER.....50-373

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

PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 61348

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 4-6 AND MAY 3 (88012; 88011): ROUTINE, ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; AND DRYWELL TEMPERATURE MONITORING PROGRAM REVIEW (92700, 92701, 92702, 41400). OF THE TWO AREAS INSPECTED, NO VIOLATION OR DEVIATION WAS IDENTIFIED IN ONE AREA; ONE VIOLATION WITH TWO EXAMPLES: (1) FAILURE TO PROMPTLY CORRECT A POTENTIAL SIGNIFICANT DEFICIENCY FOR MORE THAN FIVE MONTHS; AND (2) FAILURE TO OBTAIN AND TRANSMIT TEMPERATURE DATA TO BWRED FOR EVALUATION ON A DAILY BASIS WHEN TRIGGER SET POINTS WERE EXCEEDED; AND ONE VIOLATION FOR FAILURE TO SUBMIT A SPECIAL REPORT WITHIN THE TIME FRAME REQUIRED BY TECHNICAL SPECIFICATION 3.7.7.A WERE IDENTIFIED IN THE REMAINING AREA.

INSPECTION ON MAY 10 THROUGH JUNE 20 (88015; 88014): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; TRAINING; LICENSEE EVENT REPORTS; OUTAGES; SECURITY; ESF SYSTEM WALKDOWNS; EMERGENCY PREPAREDNESS; REGIONAL REQUESTS; SPENT FUEL POOL ACTIVITIES; TEMPORARY INSTRUCTIONS; CONFIRMATORY ACTION LETTER FOLLOWUP; AND ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS. OF THE FIFTEEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. THE LICENSEE IS ROUGHLY 87 PERCENT COMPLETE WITH THEIR SECOND REFUELING/MAINTENANCE OUTAGE ON UNIT 1. ALL MAJOR WORK ACTIVITIES ARE BEING COMPLETED. THE REACTOR VESSEL REASSEMBLY IS ALMOST COMPLETE, DRYWELL CLEANUP AND CLOSE OUT IS IN PROGRESS, AND FINAL PAPER WORK REVIEW IS UNDERWAY. THE REACTOR VESSEL HYDRO IS COMPLETE WITH SATISFACTORY RESULTS. DURING THE INSPECTION PERIOD, THE LICENSEE HELD THEIR 1988 GENERAL SITE EMERGENCY PREPAREDNESS DRILL. THE EXERCISE WENT WELL. ONE UNRESOLVED ITEM WAS IDENTIFIED DURING THE INSPECTION PERIOD DEALING WITH THE LICENSEE'S REPORTING OF THE MARCH 9, 1988, POWER OSCILLATION EVENT. THE TRANSMITTAL LETTER OF THIS INSPECTION REPORT CONTAINS A REQUEST FOR THE LICENSEE'S CORRECTIVE ACTIONS TO ENSURE THAT FUTURE COMMUNICATIONS ARE PROMPT, ACCURATE AND COMPLETE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT 1 RESTATED FROM ITS REFUELING OUTAGE ON JULY 4, 1988 AND IS NOW OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88017

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-14	040388	072288	MECHANICAL SNUBBER FUNCTIONAL TEST FAILURES DURING UNIT 1 SECOND REFUEL SURVEILLANCE

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. J. KIRCHNER (815) 357-6761 X 704

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 810

11. Reasons for Restrictions, If Any:

FUEL DEPLETION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	33,167.0
13. Hours Reactor Critical	744.0	4,909.5	21,694.2
14. Rx Reserve Shtdwn Hrs	.0	.0	1,716.7
15. Hrs Generator On-Line	744.0	4,892.9	21,364.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,977,576	14,273,616	62,068,671
18. Gross Elec Ener (MWH)	610,648	4,714,651	20,522,862
19. Net Elec Ener (MWH)	582,563	4,532,179	19,614,702
20. Unit Service Factor	100.0	95.7	64.4
21. Unit Avail Factor	100.0	95.7	64.4
22. Unit Cap Factor (MDC Net)	75.6	85.6	57.1
23. Unit Cap Factor (DER Net)	72.6	82.3	54.9
24. Unit Forced Outage Rate	.0	4.3	16.8
25. Forced Outage Hours	.0	218.1	4,317.9

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

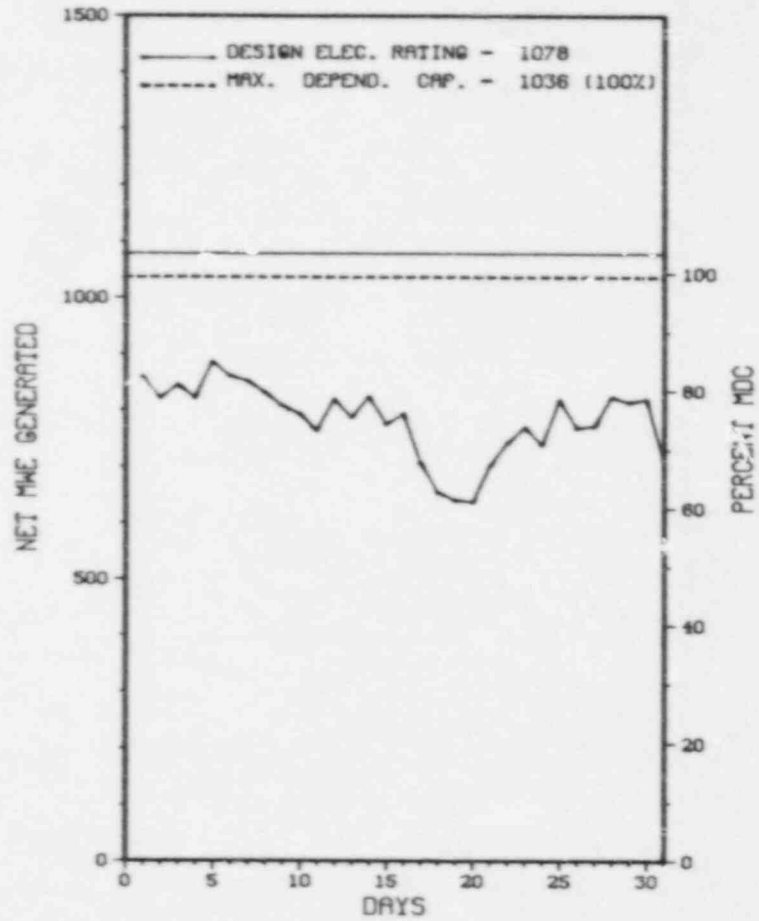
REFUEL - OCTOBER 15, 1988 - 15 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

LA SALLE 2 OPERATED ROUTINELY IN JULY WITH NO SIGNIFICANT LOAD REDUCTIONS OR POWER OUTAGES.

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 JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LA SALLE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 10, 1984

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

DATE COMMERCIAL OPERATE....OCTOBER 19, 1984

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. JORDAN

LICENSING PROJ MANAGER.....P. SHEMANSKI
DOCKET NUMBER.....50-374

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

PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 61348

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON APRIL 4-6 AND MAY 3 (88012; 88011): ROUTINE, ANNOUNCED SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; AND DRYWELL TEMPERATURE MONITORING PROGRAM REVIEW (92700, 92701, 92702, 41400). OF THE TWO AREAS INSPECTED, NO VIOLATION OR DEVIATION WAS IDENTIFIED IN ONE AREA; ONE VIOLATION WITH TWO EXAMPLES: (1) FAILURE TO PROMPTLY CORRECT A POTENTIAL SIGNIFICANT DEFICIENCY FOR MORE THAN FIVE MONTHS; AND (2) FAILURE TO OBTAIN AND TRANSMIT TEMPERATURE DATA TO BWRED FOR EVALUATION ON A DAILY BASIS WHEN TRIGGER SET POINTS WERE EXCEEDED; AND ONE VIOLATION FOR FAILURE TO SUBMIT A SPECIAL REPORT WITHIN THE TIME FRAME REQUIRED BY TECHNICAL SPECIFICATION 3.7.7.A WERE IDENTIFIED IN THE REMAINING AREA.

INSPECTION ON MAY 10 THROUGH JUNE 20 (88015; 88014): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; TRAINING; LICENSEE EVENT REPORTS; OUTAGES; SECURITY; ESF SYSTEM WALKDOWNS; EMERGENCY PREPAREDNESS; REGIONAL REQUESTS; SPENT FUEL POOL ACTIVITIES; TEMPORARY INSTRUCTIONS; CONFIRMATORY ACTION LETTER FOLLOWUP; AND ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS. OF THE FIFTEEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. THE LICENSEE IS ROUGHLY 87 PERCENT COMPLETE WITH THEIR SECOND REFUELING/MAINTENANCE OUTAGE ON UNIT 1. ALL MAJOR WORK ACTIVITIES ARE BEING COMPLETED. THE REACTOR VESSEL REASSEMBLY IS ALMOST COMPLETE, DRYWELL CLEANUP AND CLOSE OUT IS IN PROGRESS, AND FINAL PAPER WORK REVIEW IS UNDERWAY. THE REACTOR VESSEL HYDRO IS COMPLETE WITH SATISFACTORY RESULTS. DURING THE INSPECTION PERIOD, THE LICENSEE HELD THEIR 1988 GENERAL SITE EMERGENCY PREPAREDNESS DRILL. THE EXERCISE WENT WELL. ONE UNRESOLVED ITEM WAS IDENTIFIED DURING THE INSPECTION PERIOD DEALING WITH THE LICENSEE'S REPORTING OF THE MARCH 9, 1988, POWER OSCILLATION EVENT. THE TRANSMITTAL LETTER OF THIS INSPECTION REPORT CONTAINS A REQUEST FOR THE LICENSEE'S CORRECTIVE ACTIONS TO ENSURE THAT FUTURE COMMUNICATIONS ARE PROMPT, ACCURATE AND COMPLETE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING AT POWER COASTING DOWN TO FALL REFUELING (SHORT SHUTDOWN PLANNED FOR 8/12 TO REPAIR LEAKING GAMMA PLUG ON MAIN STEAM LINE)

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88016

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-08	061788	071188	TWO EMERGENCY CORE COOLING SYSTEMS INOPERABLE CAUSED BY LOOSE CONNECTIONS ON FEED BREAKER

1. Docket: 50-352 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: R. W. GROPP (215) 841-5058
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1138
6. Design Electrical Rating (Net MWe): 1055
7. Maximum Dependable Capacity (Gross MWe): 1092
8. Maximum Dependable Capacity (Net MWe): 1055
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe): 915
11. Reasons for Restrictions, If Any:
ADMIN. POWER RESTRICTION - FUEL LEAK.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	21,887.0
13. Hours Reactor Critical	744.0	4,803.3	17,647.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,797.0	17,359.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,095,891	14,404,951	53,301,332
18. Gross Elec Ener (MWH)	668,260	4,644,660	17,344,070
19. Net Elec Ener (MWH)	638,938	4,464,019	16,631,856
20. Unit Service Factor	100.0	93.9	79.3
21. Unit Avail Factor	100.0	93.9	79.3
22. Unit Cap Factor (MDC Net)	81.4	82.8	72.0
23. Unit Cap Factor (DER Net)	81.4	82.8	72.0
24. Unit Forced Outage Rate	.0	6.1	4.4
25. Forced Outage Hours	.0	314.9	805.9

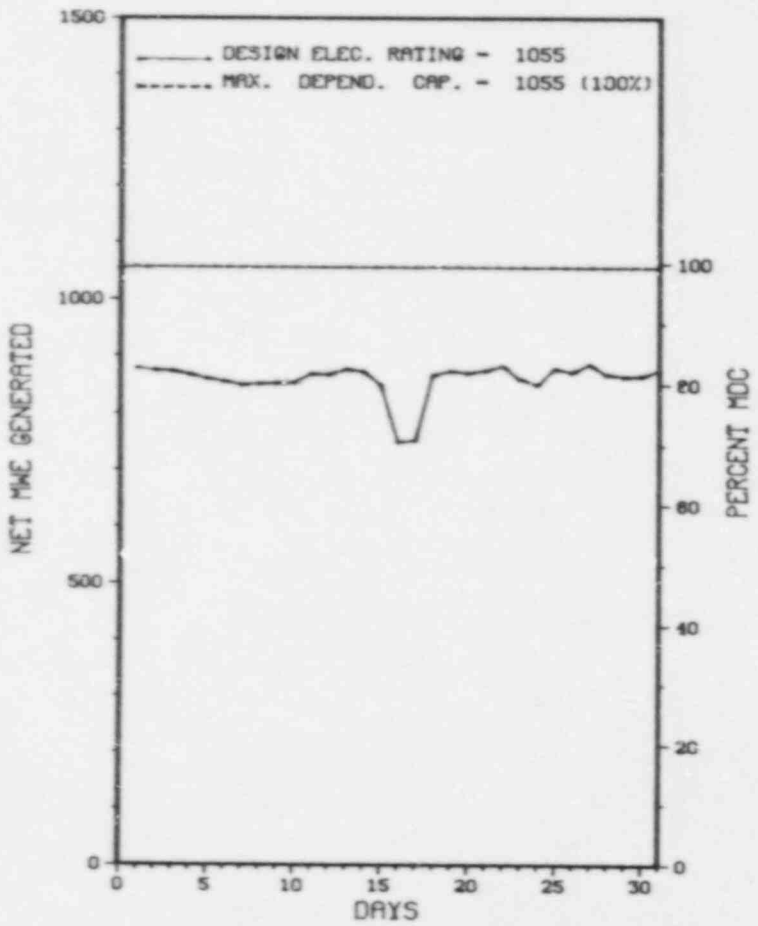
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

****
* LIMERICK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

LIMERICK 1

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

SUMMARY

LIMERICK 1 OPERATED AT AN ADMINISTRATIVELY RESTRICTED POWER LEVEL IN JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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)

****
* LIMERICK 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....MONTGOMERY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI NW OF
PHILADELPHIA,PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 22, 1984

DATE ELEC ENER 1ST GENER...APRIL 13, 1985

DATE COMMERCIAL OPERATE....FEBRUARY 1, 1986

CONDENSER COOLING METHOD...CC HNDCT

CONDENSER COOLING WATER....SCHUYLKILL RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....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.....G. KELLY

LICENSING PROJ MANAGER.....D. CLARK
DOCKET NUMBER.....50-352

LICENSE & DATE ISSUANCE....NPF-39, AUGUST 8, 1985

PUBLIC DOCUMENT ROOM.....POTTSTOWN PUBLIC LIBRARY
500 HIGH STREET
POTTSTOWN, PENNSYLVANIA 19464

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.

LIMERICK 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: 50-309 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. M. TAYLOR (207) 882-6321

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 864

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	137,867.6
13. Hours Reactor Critical	744.0	5,094.9	110,947.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,081.8	107,740.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,949,589	13,279,028	247,639,362
18. Gross Elec Ener (MWH)	601,300	4,152,260	81,040,990
19. Net Elec Ener (MWH)	581,439	4,015,946	77,490,895
20. Unit Service Factor	100.0	99.4	78.1
21. Unit Avail Factor	100.0	99.4	78.1
22. Unit Cap Factor (MDC Net)	96.5	97.0	70.9*
23. Unit Cap Factor (DER Net)	94.7	95.2	69.2*
24. Unit Forced Outage Rate	.0	.6	7.4
25. Forced Outage Hours	.0	29.2	7,739.8

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

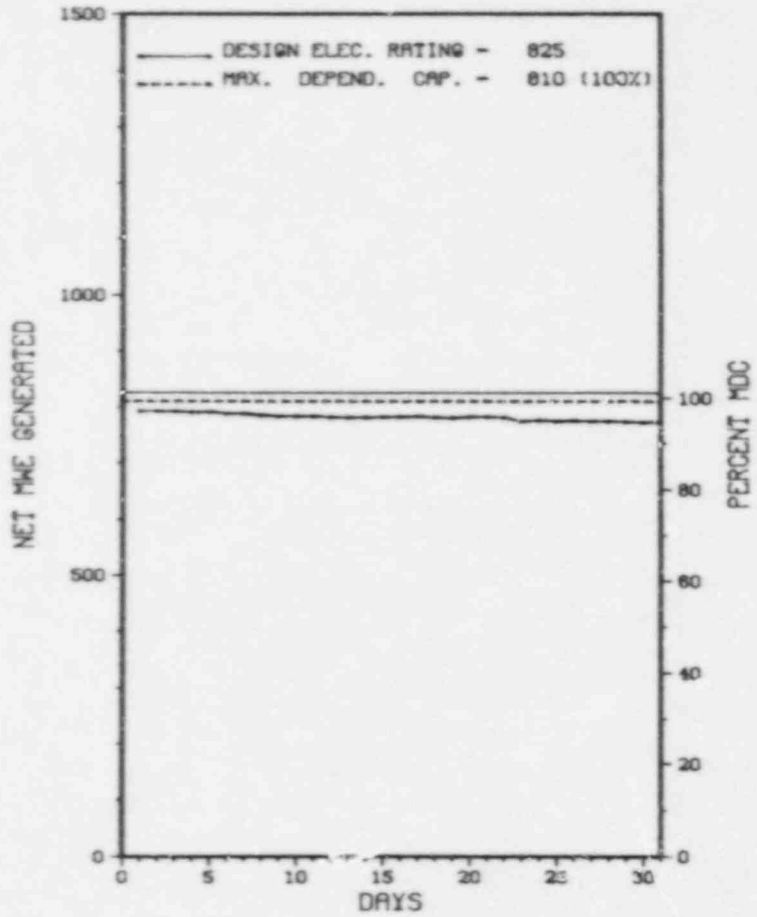
REFUELING - 10/15/88 - 8 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

MAINE YANKEE OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE

COUNTY.....LINCOLN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 23, 1972

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

DATE COMMERCIAL OPERAT. ...DECEMBER 28, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BACK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER

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

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. HOLDEN

LICENSING PROJ MANAGER.....P. SEARS
DOCKET NUMBER.....50-309

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-369 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1129

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	58,439.0
13. Hours Reactor Critical	744.0	5,030.4	41,894.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,018.2	41,361.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,485,619	16,685,939	121,754,356
18. Gross Elec Ener (MWH)	831,719	5,730,977	42,126,554
19. Net Elec Ener (MWH)	798,508	5,519,350	40,184,848
20. Unit Service Factor	100.0	98.2	70.8
21. Unit Avail Factor	100.0	98.2	70.8
22. Unit Cap Factor (MDC Net)	95.1	95.7	60.9
23. Unit Cap Factor (DER Net)	91.0	91.5	58.3
24. Unit Forced Outage Rate	.0	1.8	12.9
25. Forced Outage Hours	.0	92.8	6,115.5

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

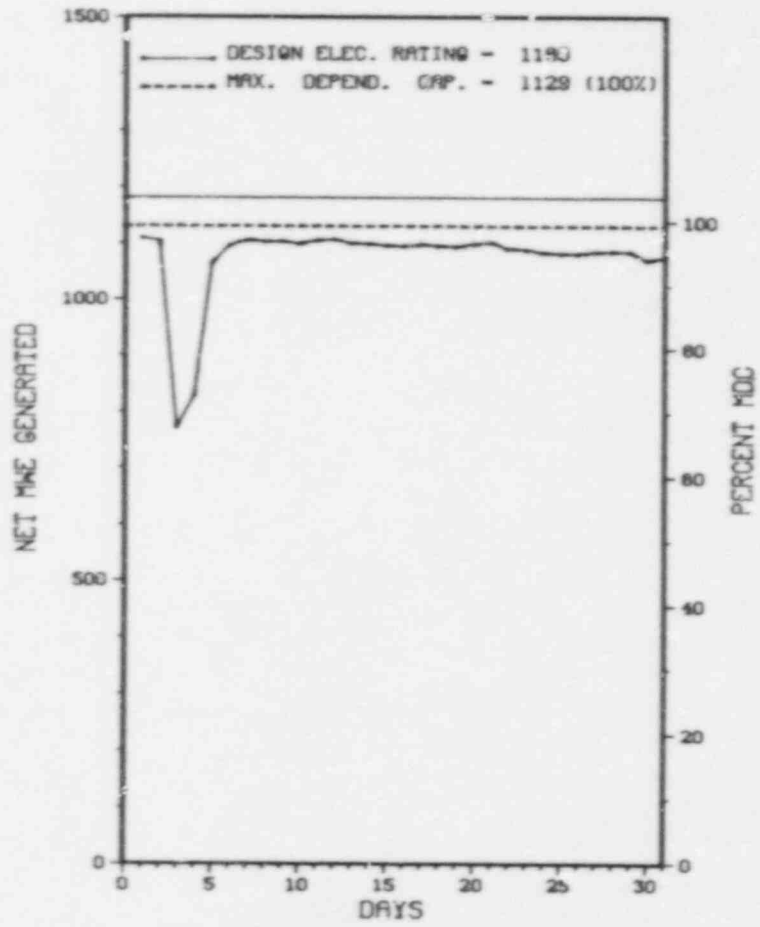
REFUELING - OCTOBER 14, 1988 - 10 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

MCGUIRE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
26-P	07/02/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST.
27-P	07/05/88	F	0.0	B	5		HB	XXXXXX	FEEDWATER VENTURI FOULING COEFFICIENT VERIFICATION.
28-P	07/06/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST.
29-P	07/30/88	S	0.0	B	5		RC	XXXXXX	MODERATOR TEMPERATURE COEFFICIENT EOC TEST.

SUMMARY

MCGUIRE 1 INCURRED FOUR LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1981

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1981

CONDENSER COOLING 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.....D. HOOD
DOCKET NUMBER.....50-369

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 21 - JUNE 24 (88-14): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, REFUELING OUTAGE ACTIVITIES, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED. ONE OF THESE VIOLATIONS WAS CLASSIFIED AS A LICENSEE IDENTIFIED VIOLATION (LIV). THE INSPECTION FINDINGS INDICATE A CONTINUED WEAKNESS IN THE PROCEDURAL COMPLIANCE AREA. A STRENGTH WAS NOTED IN THE ESTABLISHMENT AND USE OF AN ONSITE DESIGN ENGINEERING STAFF. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING THE FAILURE OF THE MCGUIRE SAFETY REVIEW GROUP (MSRG) TO PERFORM THE ACTIVITIES INTENDED BY TECHNICAL SPECIFICATIONS 6.2.3.3 AND 6.2.3.4. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: INADEQUATE PROCEDURE/FAILURE TO FOLLOW PROCEDURE WITH RESPECT TO SAFETY INJECTION CHECK VALVE TESTING. THIS VIOLATION IS CLASSIFIED AS AN LIV; AND FAILURE TO FOLLOW PROCEDURE AND FAILURE TO USE A PROCEDURE TO PERFORM SAFETY RELATED WORK WHEN ADJUSTING DIESEL GENERATOR POWER OUTPUT WITHOUT A WORK REQUEST OR A PROCEDURE.

INSPECTION JUNE 13-17 (88-15): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) UNIT 2, INCLUDING REVIEW OF INSPECTION PLAN FOR THIS OUTAGE, NONDESTRUCTIVE EXAMINATION (NDE) PROCEDURES REVIEW UNITS 1 AND 2, OBSERVATION AND REVIEW OF INPROCESS NDE EXAMINATIONS, AND REVIEW OF ISI EXAMINATION DATA. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 20-24 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. IN THE AREAS INSPECTED, THERE WERE NO VIOLATIONS OR DEVIATIONS IDENTIFIED. CONTINUED IMPROVEMENT IN THE

INSPECTION SUMMARY

LICENSEE'S ALARA PROGRAM IS NEEDED TO REDUCE THE FACILITIES PERSON-REM TOTALS TO THOSE COMPARABLE WITH THE NATIONAL AVERAGES.

INSPECTION JUNE 20-24 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF LIQUID AND GASEOUS EFFLUENTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 20-24 (88-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - VEHICLES, AND PERSONNEL TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS. IN THE AREAS INSPECTED NO INSPECTOR IDENTIFIED VIOLATIONS OR DEVIATIONS WERE NOTED. HOWEVER, ONE LICENSEE IDENTIFIED VIOLATION, PREVIOUSLY REPORTED AS A PHYSICAL SECURITY EVENT, AS DISCUSSED IN SECTION 4 OF THIS REPORT WAS CONFIRMED.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF UNIT 2 NONDESTRUCTIVE EXAMINATION (NDE) ACTIVITIES ASSOCIATED WITH THE RESISTANCE TEMPERATURE DETECTOR (RTD) SYSTEM MODIFICATIONS, INDEPENDENT REVIEW OF RADIOGRAPHS ASSOCIATED WITH THE UPPER HEAD SAFETY INJECTION SYSTEM (UHSIS) PIPING DELETION, AND INSERVICE INSPECTION (ISI) AND PRESERVICE INSPECTION (PSI) BEING ACCOMPLISHED DURING THIS OUTAGE. ALSO, INQUIRIES AND DISCUSSIONS WITH REGARD TO BULLETINS 88-02 AND 88-05. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO MAINTAIN COMPENSATORY MEASURES IN FORCE.

FAILURE TO COMPLY WITH BADGING/ACCESS CONTROL REQUIREMENTS.

CONTRARY TO: TS 6.8.1; APPENDIX A OF RG 1.33, REV. 2, FEBRUARY 1978; TS 4.0.5; ASME BOILER AND PRESSURE VESSEL CODE, 1980 EDITION, SECTION XI; 10 CFR 50, APPENDIX B, CRITERION V; STATION DIRECTIVES 2.B.2, OPERABILITY DETERMINATION, AND 3.1.19, SAFETY TAGS: (1) PROCEDURE PT/1/A/4252/01, AUXILIARY FEEDWATER PUMP NUMBER 1 PERFORMANCE TEST, WAS INADEQUATE IN THAT HORIZONTAL VIBRATION RANGES SPECIFIED DID NOT CORRESPOND TO THOSE REQUIRED BY ASME SECTION XI AND PUMP BASELINE DATA. (2) STATION DIRECTIVE 2.8.2 WAS NOT PROPERLY IMPLEMENTED IN THAT NO TECHNICAL DISCUSSION OF OPERABILITY WAS DOCUMENTED IN THE OPERABILITY DETERMINATION ASSOCIATED WITH PROBLEM INVESTIGATION REPORT (PIR) 0-M88-0089. THIS PIR CONCERNED THE OPERABILITY OF THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMPS WITH QUESTIONABLE CONTACT AREA BETWEEN THE EMERGENCY HEAD LEVER AND THE TAPPET NUT. (3) STATION DIRECTIVE 3.1.19 WAS NOT PROPERLY IMPLEMENTED IN THAT THE RESTORATION AND TAG REMOVAL PERFORMED ON MAY 12, 1988, FOR WORK REQUESTS 500184 AND 083807 WAS NOT DONE IN THE SEQUENCE DESIGNATED ON THE REMOVAL AND RESTORATION RECORD SHEET. THIS LED TO AN ESF ACTUATION INVOLVING SWAP OVER OF CA B PUMP SUCTION SUPPLY TO NUCLEAR SERVICE WATER. (4) PROCEDURE PT/1/A/4350-04B, D/G 1B LOAD SEQUENCE TEST, WAS NOT PROPERLY IMPLEMENTED ON MAY 16, 1988 DURING A TEST ON UNIT 1 IN THAT THE REQUIREMENTS OF STEP 12.9 WERE NOT PERFORMED. THIS LED TO AN INADVERTENT ACTUATION OF ESF EQUIPMENT.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, THE TEST PROGRAM ESTABLISHED TO DEMONSTRATE THAT THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMPS WILL PERFORM SATISFACTORY IN SERVICE WAS INADEQUATE. THE PROCEDURE USED TO TEST THE PUMPS DOES NOT PERFORM THE TEST IN THE AS FOUND CONDITION IN THAT THE STEAM LINES TO THE PUMP TURBINE ARE DRAINED OF CONDENSATE PRIOR TO TESTING. (8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-369/88-21 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-011	06/01/88	07/01/88	UNIT 1 ENTERED TECH SPEC 3.0.3 WHEN TWO VITAL BATTERY CHARGERS WERE DEENERGIZED WHEN DIESEL GENERATOR 2A TRIPPED DUE TO OIL LEAK FROM DIESEL GOVERNOR VALVE
88-012	02/05/88	07/14/88	INVESTIGATION OF POSSIBLE VALVE ACTUATOR PROBLEMS
88-013	06/20/88	07/20/88	REACTOR TRIP DUE TO FAILURE OF PRIMARY POWER SUPPLY TO THE CONTROL RODS
88-014	06/24/88	07/25/88	ESF ACTUATION AND BLACKOUT OCCURRED AS A RESULT OF PERSONNEL TAKING WRONG ACTION, COINCIDENT WITH VALID FAILURE OF DIESEL GENERATOR 2A

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1. Docket: 50-370 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS EXT (704) 373-7567

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1129

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	38,735.0
13. Hours Reactor Critical	132.3	3,647.3	28,093.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	95.6	3,605.3	27,432.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	182,814	11,870,637	90,116,241
18. Gross Elec Ener (MWH)	56,434	4,138,384	31,213,612
19. Net Elec Ener (MWH)	41,909	3,968,686	29,904,682
20. Unit Service Factor	12.8	70.5	70.8
21. Unit Avail Factor	12.8	70.5	70.8
22. Unit Cap Factor (MDC Net)	5.0	68.8	68.4
23. Unit Cap Factor (DER Net)	4.8	65.8	65.4
24. Unit Forced Outage Rate	4.6	.8	11.1
25. Forced Outage Hours	4.6	27.4	3,421.9

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

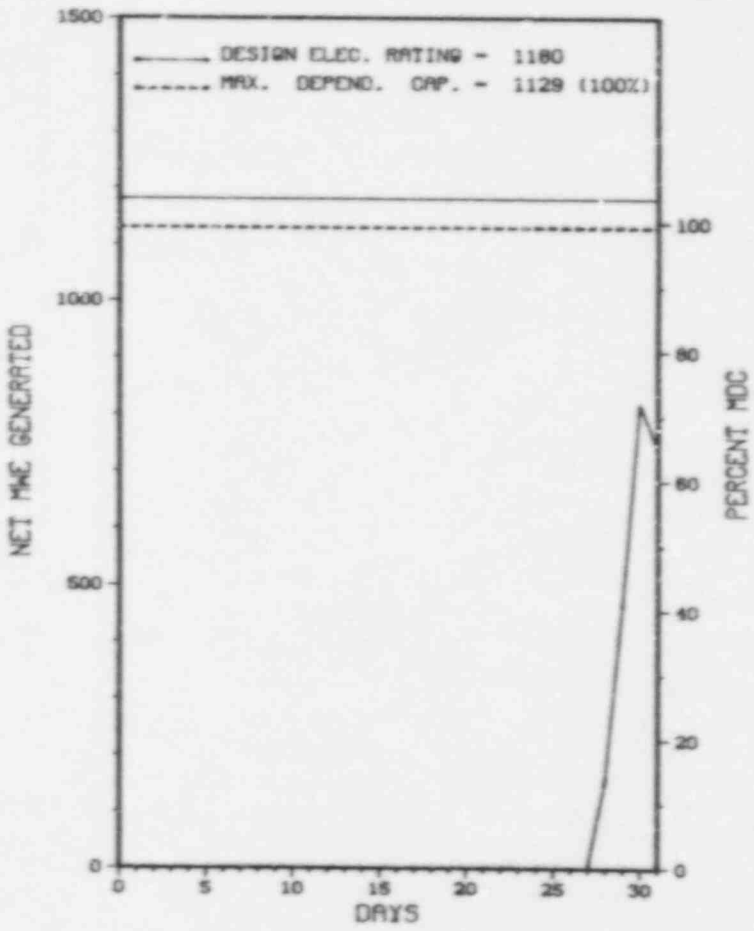
NONE

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

MCGUIRE 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

MCGUIRE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	05/27/88	S	643.4	C	4		RC	FUELXX	END OF CYCLE 4 REFUELING OUTAGE.
13-P	07/27/88	S	0.0	H	5		HA	TURBI	TURBINE SOAK PERIOD
4	07/28/88	S	0.4	B	1		HA	TURBIN	TURBINE OVERSPEED TRIP TEST.
14-P	07/28/88	F	0.0	H	5		HB	TRANSF	FEEDWATER TRANSIENT.
15-P	07/28/88	S	0.0	B	5		IE	XXXXXX	FLUX MAPPING.
16-P	07/29/88	S	0.0	B	5		IE	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.
17-P	07/30/88	S	0.0	F	5		ZZ	ZZZZZZ	ECONOMIC DISPATCH.
18-P	07/31/88	S	0.0	A	5		HJ	PUMPXX	REPAIR SEAL LEAK ON HEATER DRAIN PUMP.
5	07/31/88	F	4.6	A	2		HH	VALVEX	MANUAL TRIP - FAN FELL ON THE SOLENOID VALVE OF THE MAIN FEEDWATER REG VALVE (CF-32).

SUMMARY

MCGUIRE 2 ENTERED JULY IN A SCHEDULED OUTAGE FOR REFUELING. SUBSEQUENTLY, DURING RETURN TO POWER IT INCURRED TWO OUTAGES AND SEVERAL LOAD REDUCTIONS.

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 JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 8, 1983

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

DATE COMMERCIAL OPERATE....MARCH 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-370

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 21 - JUNE 24 (88-14): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, REFUELING OUTAGE ACTIVITIES, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED. ONE OF THESE VIOLATIONS WAS CLASSIFIED AS A LICENSEE IDENTIFIED VIOLATION (LIV). THE INSPECTION FINDINGS INDICATE A CONTINUED WEAKNESS IN THE PROCEDURAL COMPLIANCE AREA. A STRENGTH WAS NOTED IN THE ESTABLISHMENT AND USE OF AN ONSITE DESIGN ENGINEERING STAFF. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING THE FAILURE OF THE MCGUIRE SAFETY REVIEW GROUP (MSRG) TO PERFORM THE ACTIVITIES INTENDED BY TECHNICAL SPECIFICATIONS 6.2.3.3 AND 6.2.3.4. WITHIN THE AREAS INSPECTED, THE FOLLOWING VIOLATIONS WERE IDENTIFIED: INADEQUATE PROCEDURE/FAILURE TO FOLLOW PROCEDURE WITH RESPECT TO SAFETY INJECTION CHECK VALVE TESTING. THIS VIOLATION IS CLASSIFIED AS AN LIV; AND FAILURE TO FOLLOW PROCEDURE AND FAILURE TO USE A PROCEDURE TO PERFORM SAFETY RELATED WORK WHEN ADJUSTING DIESEL GENERATOR POWER OUTPUT WITHOUT A WORK REQUEST OR A PROCEDURE.

INSPECTION JUNE 13-17 (88-15): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) UNIT 2, INCLUDING REVIEW OF INSPECTION PLAN FOR THIS OUTAGE, NONDESTRUCTIVE EXAMINATION (NDE) PROCEDURES REVIEW UNITS 1 AND 2, OBSERVATION AND REVIEW OF INPROCESS NDE EXAMINATIONS, AND REVIEW OF ISI EXAMINATION DATA. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 20-24 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OCCUPATIONAL EXPOSURE DURING EXTENDED OUTAGES. IN THE AREAS INSPECTED, THERE WERE NO VIOLATIONS OR DEVIATIONS IDENTIFIED. CONTINUED IMPROVEMENT IN THE

INSPECTION SUMMARY

LICENSEE'S ALARA PROGRAM IS NEEDED TO REDUCE THE FACILITIES PERSON-REM TOTALS TO THOSE COMPARABLE WITH THE NATIONAL AVERAGES.

INSPECTION JUNE 24-24 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF LIQUID AND GASEOUS EFFLUENTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 20-24 (88-18): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; SECURITY SYSTEM POWER SUPPLY; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - VEHICLES, AND PERSONNEL TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS. IN THE AREAS INSPECTED NO INSPECTOR IDENTIFIED VIOLATIONS OR DEVIATIONS WERE NOTED. HOWEVER, ONE LICENSEE IDENTIFIED VIOLATION, PREVIOUSLY REPORTED AS A PHYSICAL SECURITY EVENT, AS DISCUSSED IN SECTION 4 OF THIS REPORT WAS CONFIRMED.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF UNIT 2 NONDESTRUCTIVE EXAMINATION (NDE) ACTIVITIES ASSOCIATED WITH THE RESISTANCE TEMPERATURE DETECTOR (RTD) SYSTEM MODIFICATIONS, INDEPENDENT REVIEW OF RADIOGRAPHS ASSOCIATED WITH THE UPPER HEAD SAFETY INJECTION SYSTEM (UHSIS) PIPING DELETION, AND INSERVICE INSPECTION (ISI) AND PRESERVICE INSPECTION (PSI) BEING ACCOMPLISHED DURING THIS OUTAGE. ALSO, INQUIRIES AND DISCUSSIONS WITH REGARD TO BULLETINS 88-02 AND 88-05. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT 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: JULY 31, 1988 +

INSPECTION REPORT NO: 50-370/88-21 +

MCGUIRE 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-003	06/03/88	07/15/88	TECH SPEC LIMIT FOR CRANE LOAD OVER THE SPENT FUEL STORAGE POOL WAS EXCEEDED DUE TO MANAGEMENT DEFICIENCY - INADEQUATE POLICY
88-004	05/12/88	07/13/88	TWO INADVERTENT ACTUATIONS OF UNIT 2 ENGINEERED SAFETY FEATURES COMPONENTS OCCURRED DUE TO PERSONNEL ERROR - PROCEDURE NONCOMPLIANCE

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

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	15:,919.0
13. Hours Reactor Critical	744.0	5,081.8	12?,408.1
14. Rx Reserve Shtdwn Hrs	.0	.0	3,283.3
15. Hrs Generator On-Line	744.0	5,072.6	118,265.1
16. Unit Reserve Shtdwn Hrs	.0	.0	277.4
17 Gross Therm Ener (MWH)	1,485,660	10,041,118	220,247,213
18. Gross Elec Ener (MWH)	503,300	3,429,900	74,206,496
19. Net Elec Ener (MWH)	481,369	3,282,781	70,800,242
20. Unit Service Factor	100.0	99.2	76.3
21. Unit Avail Factor	100.0	99.2	76.5
22. Unit Cap Factor (MDC Net)	98.9	98.2	69.9
23. Unit Cap Factor (DER Net)	98.0	97.3	69.2
24. Unit Forced Outage Rate	.0	.8	10.8
25. Forced Outage Hours	.0	38.4	6,344.9

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

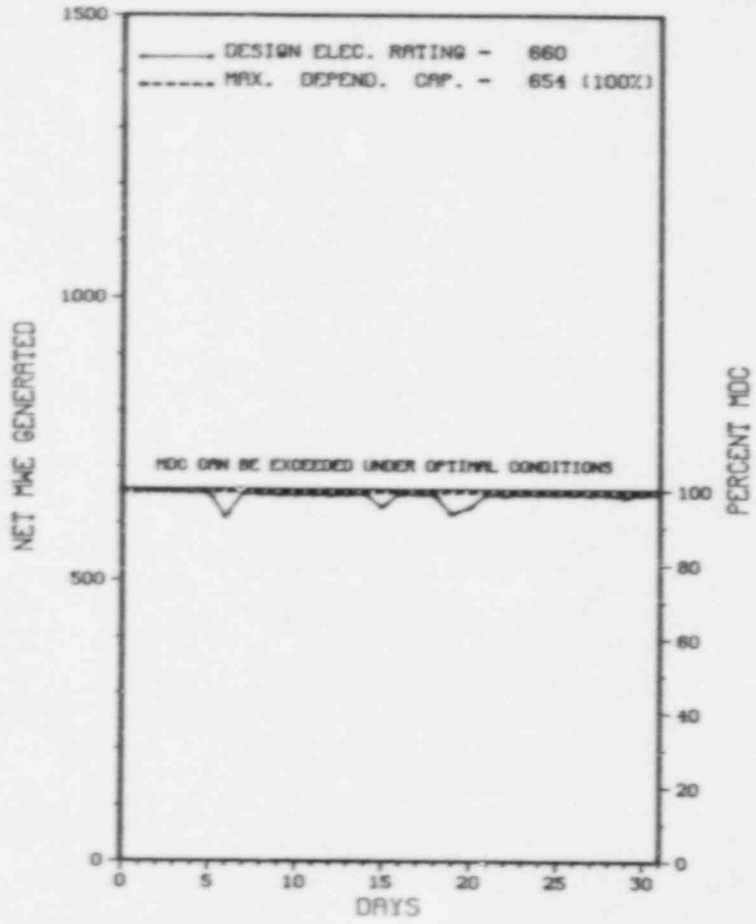
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

MILLSTONE 1

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

SUMMARY

MILLSTONE 1 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....NEW LONDON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 26, 1970

DATE ELEC ENER 1ST GENER...NOVEMBER 29, 1970

DATE COMMERCIAL OPERATE....MARCH 1, 1971

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LONG ISLAND SOUND

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY

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

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....M. BOYLE
DOCKET NUMBER.....50-245

LICENSE & DATE ISSUANCE....DPR-21, OCTOBER 26, 1970

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WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* MILLSTONE 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: 50-336 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: G. NERON (203) 447-1791 X4417

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 894

8. Maximum Dependable Capacity (Net MWe): 863

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

CH IN 687 RESULT OF SECONDARY SIDE EFFICIENCY WK.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	110,447.0
13. Rx Reactor Critical	744.0	3,306.0	79,570.0
14. Rx Reserve Shtdwn Hrs	.0	.0	2,166.9
15. Hrs Generator On-Line	744.0	3,174.5	76,426.2
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	2,008,427	8,306,372	195,626,363
18. Gross Elec Ener (MWH)	666,447	2,742,908	63,605,481
19. Net Elec Ener (MWH)	643,491	2,629,107	61,005,304
20. Unit Service Factor	100.0	62.1	69.2
21. Unit Avail Factor	100.0	62.1	69.6
22. Unit Cap Factor (MDC Net)	100.2	59.9	65.2*
23. Unit Cap Factor (DER Net)	99.4	59.1	64.1*
24. Unit Forced Outage Rate	.0	5.7	14.8
25. Forced Outage Hours	.0	193.0	11,978.4

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

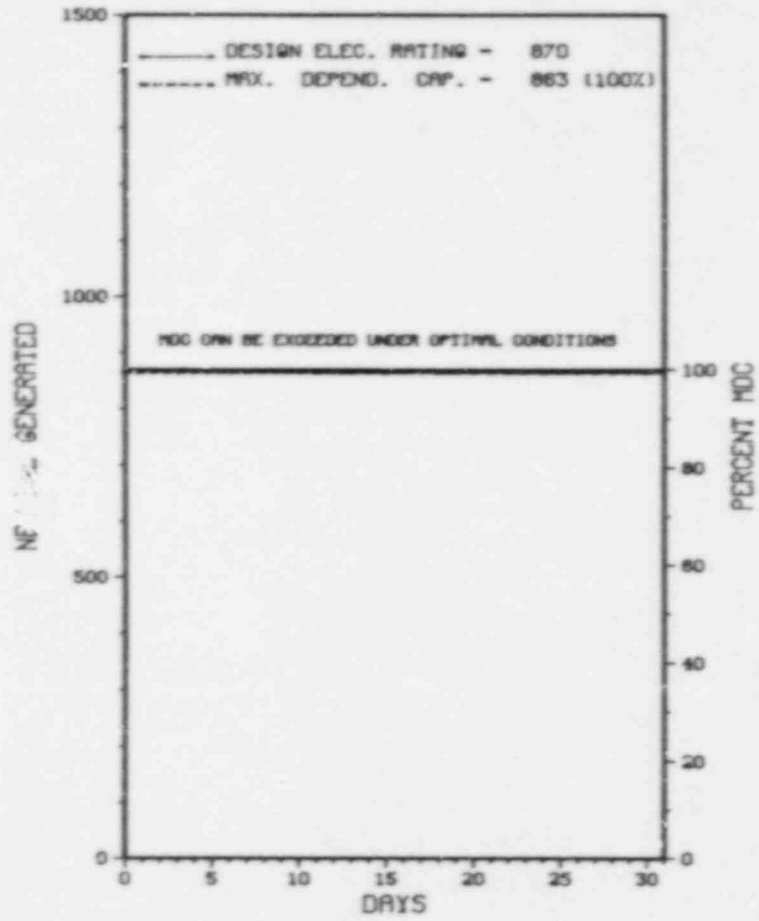
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

MILLSTONE 2

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

SUMMARY

MILLSTONE 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

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.....W. RAYMOND

LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-336

LICENSE & DATE ISSUANCE....DPR-65, SEPTEMBER 30, 1975

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WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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: 50-423 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: A. ELMS (203) 444-5388

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1253

6. Design Electrical Rating (Net MWe): 1154

7. Maximum Dependable Capacity (Gross MWe): 1197

8. Maximum Dependable Capacity (Net MWe): 1142

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	19,943.0
13. Hours Reactor Critical	744.0	3,972.0	15,735.5
14. Rx Reserve Shtdwn Hrs	.0	20.2	246.2
15. Hrs Generator On-Line	744.0	3,780.9	15,371.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,535,537	12,569,587	54,839,018
18. Gross Elec Ener (MWH)	875,613	4,376,017	17,585,287
19. Net Elec Ener (MWH)	848,090	4,167,290	16,771,367
20. Unit Service Factor	100.0	74.0	77.1
21. Unit Avail Factor	100.0	74.0	77.1
22. Unit Cap Factor (MDC Net)	98.9	71.4	73.6
23. Unit Cap Factor (DER Net)	97.8	70.7	72.9
24. Unit Forced Outage Rate	.0	9.0	8.6
25. Forced Outage Hours	.0	375.7	1,450.2

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

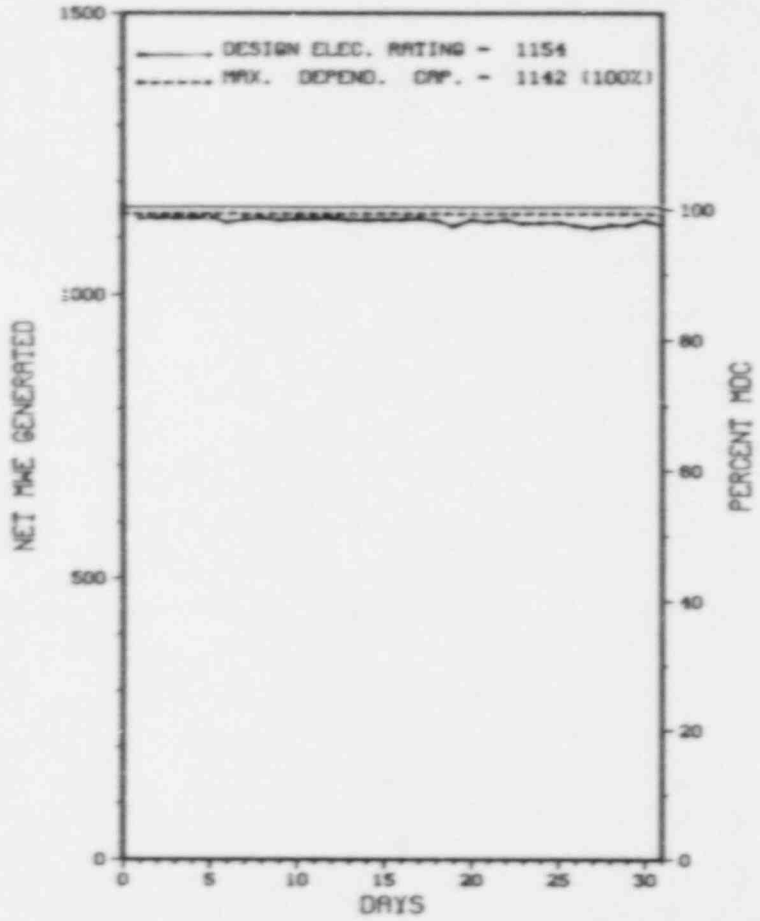
NONE

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

****
* MILLSTONE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

****
* MILLSTONE 3 *
****

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

****
* SUMMARY *
****

MILLSTONE 3 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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 3 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....NEW LONDON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.2 MI WSW OF
NEW LONDON CT.

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 23, 1986

DATE ELEC ENER 1ST GENER...FEBRUARY 12, 1986

DATE COMMERCIAL OPERATE....APRIL 23, 1986

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....NIANTIC BAY

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.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. BARBER

LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-423

LICENSE & DATE ISSUANCE....NPF-49, JANUARY 31, 1986

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WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

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

****
* MILLSTONE 3 *
****

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

1. Docket: 50-263 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: A. L. Myrabo (612) 295-5151
4. Licensed Thermal Power (MWt): 1670
5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569
6. Design Electrical Rating (Net MWe): 545
7. Maximum Dependable Capacity (Gross MWe): 564
8. Maximum Dependable Capacity (Net MWe): 536
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	149,784.0
13. Hours Reactor Critical	744.0	5,111.0	117,348.0
14. Rx Reserve Shtdwn Hrs	.0	.0	940.7
15. Hrs Generator On-Line	744.0	5,111.0	115,124.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,167,794	8,411,124	184,089,198
18. Gross Elec Ener (MWH)	380,091	2,822,417	59,702,473
19. Net Elec Ener (MWH)	362,372	2,709,740	57,082,858
20. Unit Service Factor	100.0	100.0	76.9
21. Unit Avail Factor	100.0	100.0	77.9
22. Unit Cap Factor (MDC Net)	90.9	98.9	71.1
23. Unit Cap Factor (DER Net)	89.4	97.3	69.9
24. Unit Forced Outage Rate	.0	.0	4.3
25. Forced Outage Hours	.0	.0	1,498.3

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

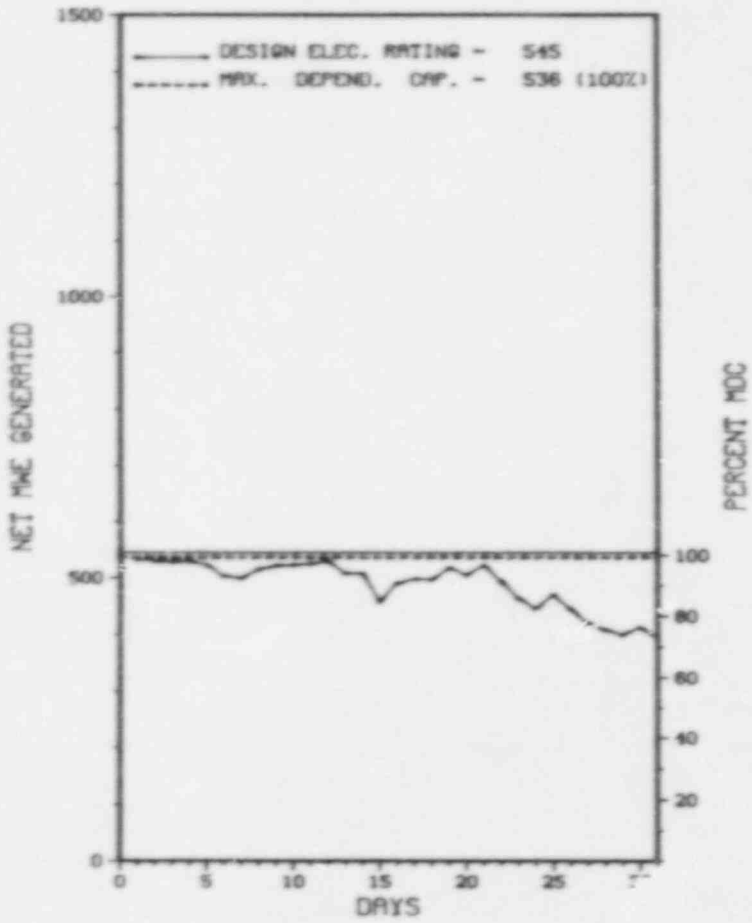
NONE

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

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* MONTICELLO *
****

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

NONE

****
* SUMMARY *
****

MONTICELLO OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM NEAREST POPULATION CTR...30 MI NW OF MINNEAPOLIS, MINN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

DATE ELEC ENER 1ST GENER...MARCH 5, 1971

DATE COMMERCIAL OPERATE....JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....P. HARTMAN

LICENSING PROJ MANAGER.....J. STEFANO
DOCKET NUMBER.....50-263

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

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MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON FEBRUARY 24 THROUGH APRIL 8 (88004): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MAINTENANCE; SURVEILLANCE; EMERGENCY DIESEL GENERATOR LOADING; INFORMATION NOTICE; LICENSEE EVENT REPORTS; BULLETINS, AND TEMPORARY INSTRUCTIONS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED RELATING TO INADEQUATE REVIEW OF A MODIFICATION PACKAGE FOR INSTALLATION OF THE EMERGENCY FILTRATION TRAIN SYSTEM.

INSPECTION ON APRIL 9 THROUGH MAY 27 (88006): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MAINTENANCE; SURVEILLANCE; REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM TURBINE TRIPS; CONDENSER TUBING INVESTIGATION; SMALL VALVE ISSUE; FIRE DOORS; INFORMATIONAL NOTICES; AND GENERIC LETTERS. DURING THIS INSPECTION PERIOD, THE UNIT CONTINUED 100 PECENT POWER OPERATIONS AND IN GENERAL THE PLANT CONTINUES TO OPERATE WELL. CONCERN STILL EXITS, HOWEVER WITH THE OPERATION OF THE RCIC TURBINE. AN UPDATED STATUS REPORT OF THE "SMALL VALVE" ISSUE IS DISCUSSED. OF THE TEN AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF CONTROL AND MAINTENANCE OF FIRE DOORS AND NO NEW UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION ON JUNE 13-17 (88010): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION AND RADWASTE ACTIVITIES DURING REACTOR OPERATION, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS (IP 83722); AUDITS (IP 83722); TRAINING AND QUALIFICATION OF PERSONNEL (IP 83723); EXPOSURE CONTROLS (IP 83724, 83725); ALARA (IP 83728); CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION (IP 83726); FACILITIES AND EQUIPMENT (IP 83727); SOLID RADWASTE (IP 83722); LIQUID RADWASTE (IP 84723); GASEOUS RADWASTE (IP 84724) AND

INSPECTION SUMMARY

TRANSPORTATION (IP 86721). IN ADDITION, THE INSPECTOR REVIEWED ACTIONS TAKEN ON NRC INFORMATION NOTICES AND PERFORMED INDEPENDENT CONTAMINATION SURVEYS. THE LICENSEE'S RADIATION PROTECTION PROGRAM CONTINUES TO BE EFFECTIVE IN PROTECTING THE HEALTH AND SAFETY OF WORKERS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT CONFERENCE ON JUNE 15 (88011): INCLUDED A REVIEW AND DISCUSSION OF THE ENFORCEMENT OPTIONS CIRCUMSTANCES SURROUNDING AND CORRECTIVE ACTIONS IN RESPONSE TO POTENTIAL VIOLATIONS OF THE LICENSEE'S SECURITY PLAN RELATING TO A DEGRADED VITAL AREA BARRIER AND REPORTING REQUIREMENTS ASSOCIATED WITH THE BARRIER DEGRADATION.

ENFORCEMENT SUMMARY

FAILURE TO CONTROL ACCESS TO A DEGRADED VITAL AREA BARRIER.
(8800 3)

FAILURE TO MAINTAIN AN ADEQUATE RESPONSE FORCE. FAILURE TO SUBMIT A REQUIRED REPORT IN A TIMELY MANNER.

FAILURE TO MAINTAIN AN ADEQUATE VITAL AREA BARRIER.

FAILURE TO IMPLEMENT COMPENSATORY MEASURES ON TWO OCCASIONS. A PORTION OF THE ALARM SYSTEM FAILED TO DETECT PROPERLY.

CONTRARY TO TS 3.6.3.1 AND TS 4.6.3.1.1.B, ON SEPTEMBER 15, 1986, UNIT 1 ENTERED MODE 4 WITH NINE CONTAINMENT ISOLATION VALVES, SPECIFIED IN TABLE 3.6-1, THAT WERE NOT STROKE TIME TESTED FOLLOWING MAINTENANCE. THE MAINTENANCE INVOLVED A MODIFICATION TO THE VENT PATHS OF THE SOLENOID VALVES ASSOCIATED WITH THE CONTAINMENT ISOLATION VALVES. THIS MODIFICATION INCREASED THE STROKE TIMES OF SEVERAL OF THE VALVES. THE VALVES WERE NOT STROKE TIME TESTED UNTIL JUNE OF 1987. CONTRARY TO TS 6.4.1, S.D.2.2.2 WAS NOT ADEQUATE TO ASSURE THE CORRECT COMPONENT WAS IDENTIFIED PRIOR TO PERFORMING WORK AS INDICATED BY TWO EXAMPLES - ONE ASSOCIATED WITH A SPILL OF CONTAMINATED WATER ON UNIT 1 WHEN WORK WAS PERFORMED ON AN INCORRECT VALVE, AND ONE ASSOCIATED WITH A UNIT 2 MAIN STEAM VALVE THAT WAS INCORRECTLY REMOVED FROM A SUPPLY LINE TO THE AUXILIARY FEEDWATER PUMP TURBINE. CONTRARY TO TS 6.4.1, S.D.2.2.2 WAS NOT ADEQUATE TO ASSURE THE CORRECT COMPONENT WAS IDENTIFIED PRIOR TO PERFORMING WORK AS INDICATED BY TWO EXAMPLES - ONE ASSOCIATED WITH A SPILL OF CONTAMINATED WATER ON UNIT 1 WHEN WORK WAS PERFORMED ON AN INCORRECT VALVE, AND ONE ASSOCIATED WITH A UNIT 2 MAIN STEAM VALVE THAT WAS INCORRECTLY REMOVED FROM A SUPPLY LINE TO THE AUXILIARY FEEDWATER PUMP TURBINE. CONTRARY TO TS 6.4.1, S.D.2.2.2 WAS NOT ADEQUATE TO ASSURE THE CORRECT COMPONENT WAS IDENTIFIED PRIOR TO PERFORMING WORK AS INDICATED BY TWO EXAMPLES - ONE ASSOCIATED WITH A SPILL OF CONTAMINATED WATER ON UNIT 1 WHEN WORK WAS PERFORMED ON AN INCORRECT VALVE, AND ONE ASSOCIATED WITH A UNIT 2 MAIN STEAM VALVE THAT WAS INCORRECTLY REMOVED FROM A SUPPLY LINE TO THE AUXILIARY FEEDWATER PUMP TURBINE.
(8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

****
* MONTICELLO *
****

OTHER ITEMS

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: 07/14/88

INSPECTION REPORT NO: 88012

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-04	063088	080188	FIRE BARRIER FOUND INOPERABLE IN TURBINE BUILDING DUE TO INADEQUATE PROCEDURES

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1. Docket: 50-220 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: THOMAS W. ROMAM (315) 349-2422
4. Licensed Thermal Power (MWt): 1850
5. Nameplate Rating (Gross MWe): 755 X 0.85 = 642
6. Design Electrical Rating (Net MWe): 620
7. Maximum Dependable Capacity (Gross MWe): 630
8. Maximum Dependable Capacity (Net MWe): 610
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	164,351.0
13. Hours Reactor Critical	.0	.0	115,235.2
14. Rx Reserve Shtdwn Hrs	.0	.0	1,294.2
15. Hrs Generator On-Line	.0	.0	112,102.6
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	0	0	168,473,049
18. Gross Elec Ener (MWH)	0	0	62,973,071
19. Net Elec Ener (MWH)	0	0	60,523,379
20. Unit Service Factor	.0	.0	68.2
21. Unit Avail Factor	.0	.0	68.2
22. Unit Cap Factor (MDC Net)	.0	0	60.4
23. Unit Cap Factor (DER Net)	.0	.0	59.4
24. Unit Forced Outage Rate	.0	100.0	14.9
25. Forced Outage Hours	.0	516.0	15,047.9

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

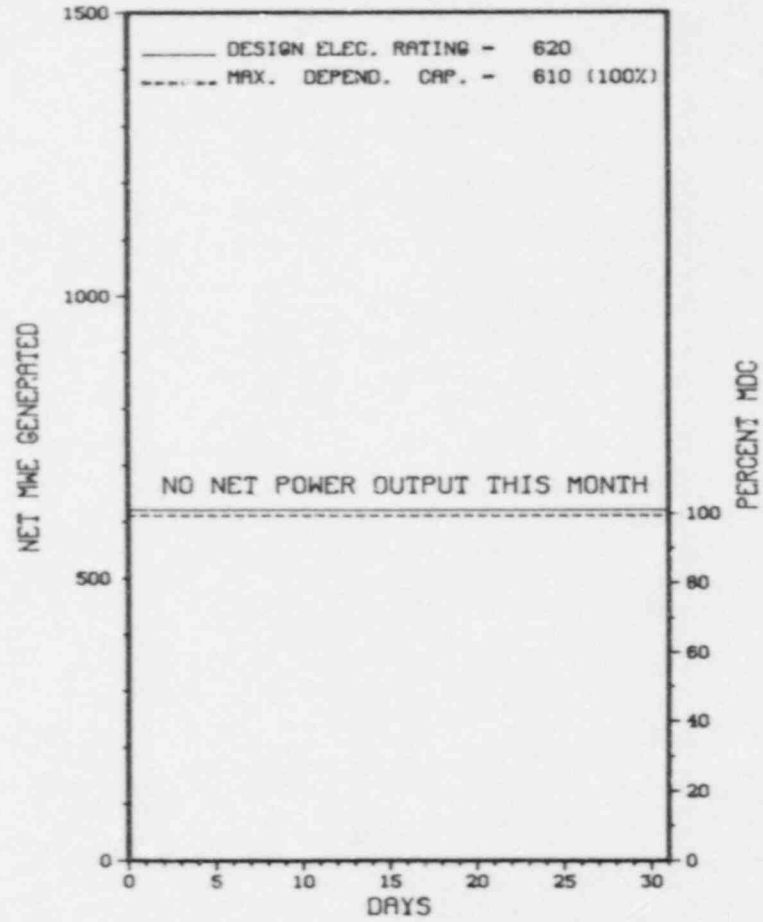
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

NINE MILE POINT 1 REMAINED SHUTDOWN IN JULY FOR REFUELING MAINTENANCE.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....OSWEGO
DIST AND DIRECTION FROM NEAREST POPULATION CTR...8 MI NE OF OSWEGO, NY
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1969
DATE COMMERCIAL OPERATE....DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE ONTARIO
ELECTRIC RELIABILITY COUNCIL.....NORTHEAST POWER COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER CORP.
CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202

CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER.....R. BENEDICT
DOCKET NUMBER.....50-220
LICENSE & DATE ISSUANCE....DPR-63, DECEMBER 26, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-410 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-Line Hrs: 744.0
3. Utility Contact: E. TOMLINSON (315) 349-2761
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1214
6. Design Electrical Rating (Net MWe): 1080
7. Maximum Dependable Capacity (Gross MWe): 1090
8. Maximum Dependable Capacity (Net MWe): 1080
9. If Changes Occur Above Since Last Report, Give Reasons:

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

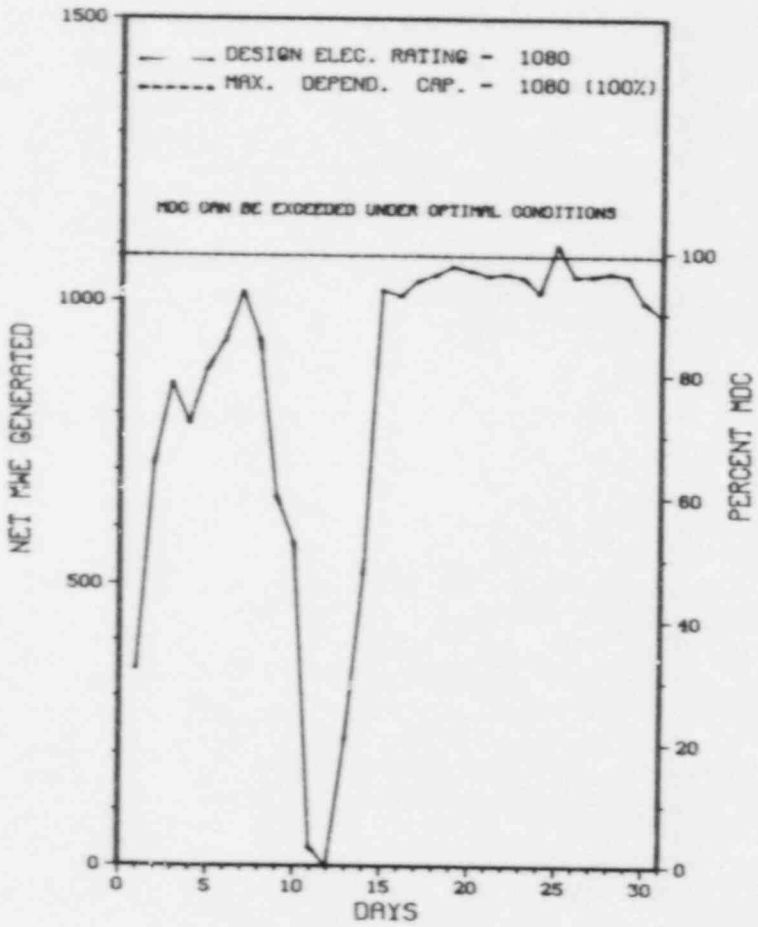
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	3,416.0	3,416.0
13. Hours Reactor Critical	705.7	2,287.1	2,287.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	638.1	2,143.9	2,143.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,039,081	6,595,279	6,595,279
18. Gross Elec Ener (MWH)	667,400	2,107,640	2,107,640
19. Net Elec Ener (MWH)	624,726	1,951,900	1,951,900
20. Unit Service Factor	92.3	62.8	62.8
21. Unit Avail Factor	92.5	62.8	62.8
22. Unit Cap Factor (MDC Net)	77.7	52.9	52.9
23. Unit Cap Factor (DER Net)	77.7	52.9	52.9
24. Unit Forced Outage Rate	7.5	19.7	19.7
25. Forced Outage Hours	55.9	525.6	525.6

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINT/SURV - 9/17/88 - 48 DAY DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* NINE MILE POINT 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* NINE MILE POINT 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-9	07/08/88	F	0.0	A	5				REDUCED POWER TO PERFORM REPAIRS ON AND TEST LV10C. POWER REDUCTION WAS IN EFFECT WHEN MANUAL SCRAM OCCURRED ON 7/11/88.
88-10	07/11/88	F	55.9	A	2	88-28			TURBINE CONTROL VALVE NO.3 DEVELOPED A LEAK OF CONTROL OIL FROM A LOOSENED PIPE FITTING THAT COULD NOT BE REPAIRED DURING OPERATION. AN ORDERLY PLANT SHUTDOWN WAS IN PROGRESS WHEN THE OIL RESERVOIR REACHED THE LOW LEVEL MARK. THE REACTOR WAS MANUALLY SCRAMMED FROM APPROXIMATELY 45% POWER TO ENSURE ADEQUATE PRESSURE CONTROL. CORRECTIVE MAINTENANCE WAS PERFORMED ON THE PIPE FITTING.

****
* SUMMARY *
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NINE MILE POINT 2 INCURRED ONE FORCED LOAD REDUCTION AND ONE FORCED OUTAGE IN JULY FOR REASONS STATED 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 (LER) File (NUREG-0161)
			9-Other	

****
* NINE MILE POINT 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 23, 1987

DATE ELEC ENER 1ST GENER...AUGUST 2, 1987

DATE COMMERCIAL OPERATE....MARCH 11, 1988

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. COOK

LICENSING PROJ MANAGER.....M. HAUGHEY
DOCKET NUMBER.....50-410

LICENSE & DATE ISSUANCE....NPF-69, JULY 2, 1987

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

INSPECTION STATUS

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

****
* NINE MILE POINT 2 *
****

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

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

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2893

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 963

8. Maximum Dependable Capacity (Net MWe): 915

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	39,016.0
13. Hours Reactor Critical	744.0	4,385.8	61,817.0
14. Rx Reserve Shtdwn Hrs	.0	148.6	5,796.6
15. Hrs Generator On-Line	744.0	4,225.5	59,994.0
16. Unit Reserve Shtdwn Hrs	.0	.0	0
17. Gross Therm Ener (MWH)	2,127,839	11,928,135	158,104,909
18. Gross Elec Ener (MWH)	698,225	3,949,023	51,852,911
19. Net Elec Ener (MWH)	661,806	3,745,805	49,040,399
20. Unit Service Factor	100.0	82.7	67.4
21. Unit Avail Factor	100.0	82.7	67.4
22. Unit Cap Factor (MDC Net)	97.2	80.1	60.2
23. Unit Cap Factor (DER Net)	98.1	80.8	60.7
24. Unit Forced Outage Rate	.0	15.4	15.1
25. Forced Outage Hours	.0	771.7	10,593.2

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

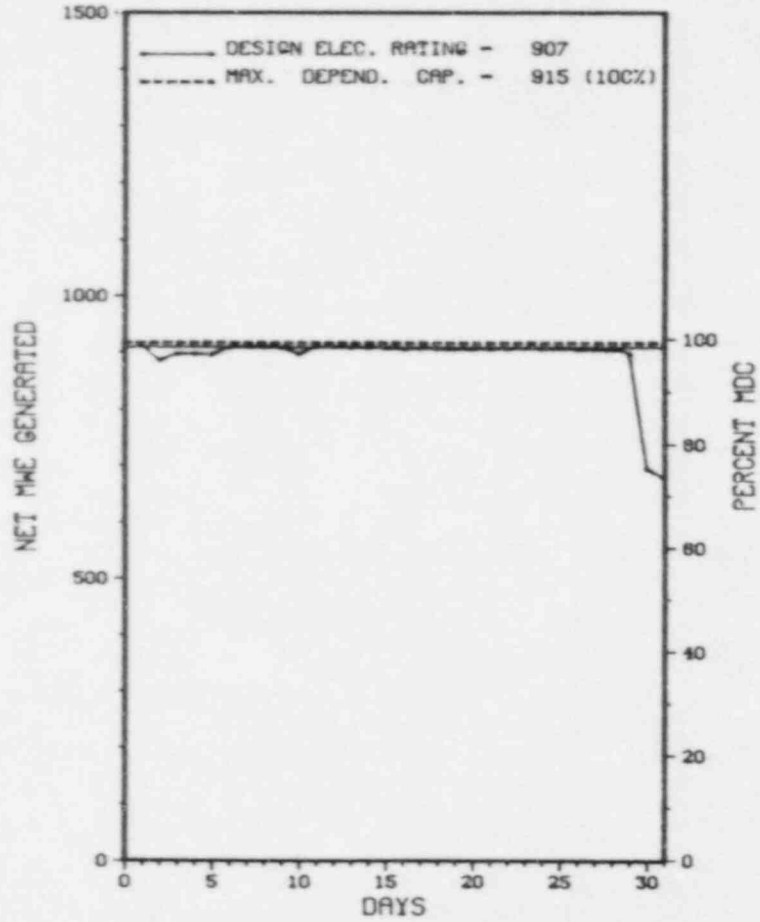
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



JULY 1988

Report Period JUL 1988

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

NORTH ANNA 1

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

NONE

SUMMARY

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

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

Rep[illegible] iod JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR..... PWR

DATE INITIAL CRITICALITY...APRIL 5, 1978

DATE ELEC ENER 1ST GENER...APRIL 17, 1978

DATE COMMERCIAL OPERATE....JUNE 6, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....M. BRANCH

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

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

PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 28 - APRIL 1 AND 11-15 (88-06): THIS WAS A SPECIAL ANNOUNCED OPERATIONAL PERFORMANCE ASSESSMENT (OPA). THE OPA EVALUATED THE LICENSEE'S CURRENT LEVEL OF PERFORMANCE IN THE AREA OF PLANT OPERATIONS. THE INSPECTION INCLUDED AN EVALUATION OF THE EFFECTIVENESS OF VARIOUS PLANT GROUPS INCLUDING OPERATIONS, MAINTENANCE, QUALITY ASSURANCE, ENGINEERING AND TRAINING, IN SUPPORTING SAFE PLANT OPERATIONS. PLANT MANAGEMENT AWARENESS OF, INVOLVEMENT IN, AND SUPPORT OF SAFE PLANT OPERATION WAS ALSO EVALUATED. THE INSPECTION WAS DIVIDED INTO THREE MAJOR AREAS INCLUDING OPERATIONS, MAINTENANCE SUPPORT OF OPERATIONS, AND MANAGEMENT CONTROLS. EMPHASIS WAS PLACED ON NUMEROUS INTERVIEWS OF PERSONNEL AT ALL LEVELS, OBSERVATION OF PLANT ACTIVITIES AND MEETINGS, EXTENDED CONTROL ROOM OBSERVATIONS, PLANT AND SYSTEM WALKDOWNS. THE INSPECTORS ALSO REVIEWED PLANT DEVIATION REPORTS AND LICENSEE EVENT REPORTS (LERS) FOR THE CURRENT SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) EVALUATION PERIOD, AND EVALUATED THE EFFECTIVENESS OF THE LICENSEE'S ROOT CAUSE IDENTIFICATION; SHORT TERM AND PROGRAMMATIC CORRECTIVE ACTIONS; AND, REPETITIVE FAILURE TRENDING AND RELATED CORRECTIVE ACTIONS.

INSPECTION APRIL 20-22 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SNUBBER SURVEILLANCE PROGRAM AND FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS WERE IDENTIFIED: ONE CONCERNING THE EVALUATION OF VISUAL SNUBBER INSPECTION RESULTS; SECONDLY, CORRECTIVE ACTIONS ON SNUBBERS WITH FLUID LEAKS.

INSPECTION JUNE 6-10 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF REVIEW AND EVALUATION OF INSERVICE INSPECTION (ISI) DATA FROM UNIT 2, 1987 REFUELING OUTAGE. ALSO MAINTENANCE RECORDS REVIEW OF REACTOR COOLANT PUMP (RCP), 1-A O-RING LEAK REPAIR; ELECTRO HYDRAULIC CONTROL (EHC), SYSTEM MALFUNCTION REPAIR; LICENSEE EVENT REPORTS (LERS). INSPECTOR IDENTIFIED OPEN ITEMS WERE REVIEWED AND CLOSED AS APPROPRIATE. THE MAIN ACTIVITIES INSPECTED INCLUDED A REVIEW OF ISI

INSPECTION SUMMARY

NONDESTRUCTIVE EXAMINATION RECORDS, COMPLETED PROCEDURES OF MAINTENANCE WORK ON RC PUMP 1-A, O-RING AND ON EHC SYSTEM VALVES. IN BOTH AREAS, THE LICENSEE'S WORK PROCEDURES WERE ADEQUATE, PROBLEMS WHICH LEAD TO THE FAILURE WERE ADEQUATELY INVESTIGATED AND TECHNICAL ISSUES ADDRESSED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD SHUTDOWN FOR RESIN CLEANUP.

LAST IE SITE INSPECTION DATE: JULY 15, 1988

INSPECTION REPORT NO: 50-338/88-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-339 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: B. GARNER (703) 894-5151 X2527
4. Licensed Thermal Power (MWt): 2893
5. Nameplate Rating (Gross MWe): 947
6. Design Electrical Rating (Net MWe): 907
7. Maximum Dependable Capacity (Gross MWe): 963
8. Maximum Dependable Capacity (Net MWe): 915
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	66,887.0
13. Hours Reactor Critical	744.0	5,061.9	53,522.7
14. Rx Reserve Shtdwn Hrs	.0	49.1	4,093.1
15. Hrs Generator On-Line	744.0	5,035.2	52,463.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,151,975	14,527,069	138,849,823
18. Gross Elec Ener (MWH)	709,470	4,830,996	46,058,177
19. Net Elec Ener (MWH)	673,648	4,590,267	43,648,625
20. Unit Service Factor	100.0	98.5	78.4
21. Unit Avail Factor	100.0	98.5	78.4
22. Unit Cap Factor (MDC Net)	98.9	98.2	71.3
23. Unit Cap Factor (DER Net)	99.8	99.0	71.9
24. Unit Forced Outage Rate	.0	.0	8.3
25. Forced Outage Hours	.0	.0	4,768.9

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

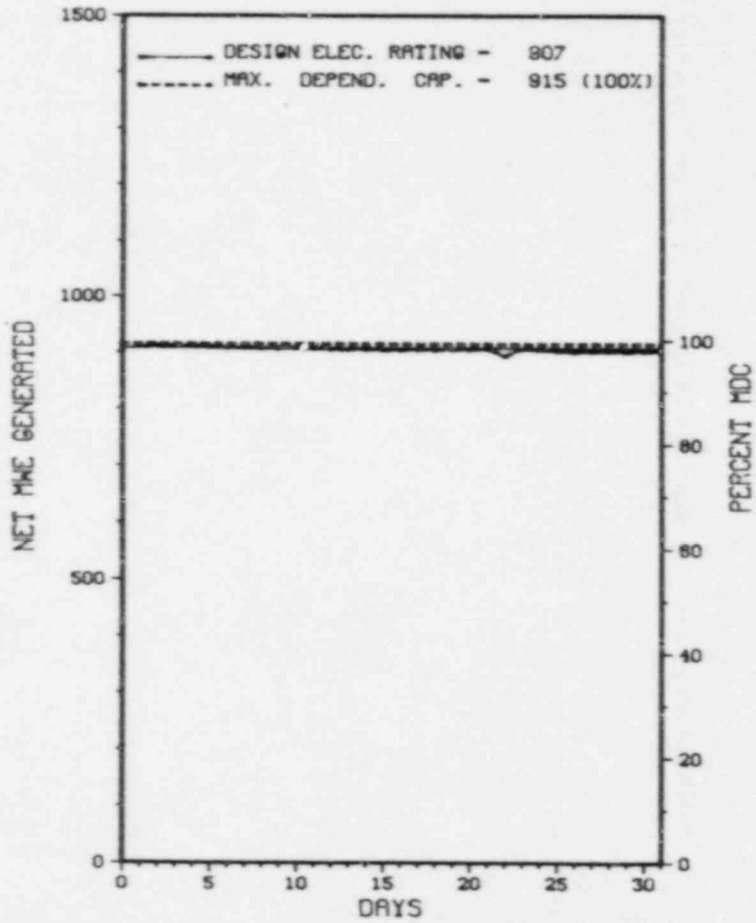
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

NORTH ANNA 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 12, 1980

DATE ELEC ENER 1ST GENER...AUGUST 25, 1980

DATE COMMERCIAL OPERATE....DECEMBER 14, 1980

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....M. BRANCH

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339

LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980

PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MARCH 28 - APRIL 1 AND 11-15 (88-06): THIS WAS A SPECIAL ANNOUNCED OPERATIONAL PERFORMANCE ASSESSMENT (OPA). THE OPA EVALUATED THE LICENSEE'S CURRENT LEVEL OF PERFORMANCE IN THE AREA OF PLANT OPERATIONS. THE INSPECTION INCLUDED AN EVALUATION OF THE EFFECTIVENESS OF VARIOUS PLANT GROUPS INCLUDING OPERATIONS, MAINTENANCE, QUALITY ASSURANCE, ENGINEERING AND TRAINING, IN SUPPORTING SAFE PLANT OPERATIONS. PLANT MANAGEMENT AWARENESS OF, INVOLVEMENT IN, AND SUPPORT OF SAFE PLANT OPERATION WAS ALSO EVALUATED. THE INSPECTION WAS DIVIDED INTO THREE MAJOR AREAS INCLUDING OPERATIONS, MAINTENANCE SUPPORT OF OPERATIONS, AND MANAGEMENT CONTROLS. EMPHASIS WAS PLACED ON NUMEROUS INTERVIEWS OF PERSONNEL AT ALL LEVELS, OBSERVATION OF PLANT ACTIVITIES AND MEETINGS, EXTENDED CONTROL ROOM OBSERVATIONS, PLANT AND SYSTEM WALKDOWNS. THE INSPECTORS ALSO REVIEWED PLANT DEVIATION REPORTS AND LICENSEE EVENT REPORTS (LERS) FOR THE CURRENT SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) EVALUATION PERIOD, AND EVALUATED THE EFFECTIVENESS OF THE LICENSEE'S ROOT CAUSE IDENTIFICATION; SHORT TERM AND PROGRAMMATIC CORRECTIVE ACTIONS; AND, REPETITIVE FAILURE TRENDING AND RELATED CORRECTIVE ACTIONS.

INSPECTION APRIL 20-22 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF SNUBBER SURVEILLANCE PROGRAM AND FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS WERE IDENTIFIED: ONE CONCERNING THE EVALUATION OF VISUAL SNUBBER INSPECTION RESULTS; SECONDLY, CORRECTIVE ACTIONS ON SNUBBERS WITH FLUID LEAKS.

INSPECTION JUNE 6-10 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF REVIEW AND EVALUATION OF INSERVICE INSPECTION (ISI) DATA FROM UNIT 2, 1987 REFUELING OUTAGE. ALSO MAINTENANCE RECORDS REVIEW OF REACTOR COOLANT PUMP (RCP), 1-A O-RING LEAK REPAIR; ELECTRO HYDRAULIC CONTROL (EHC), SYSTEM MALFUNCTION REPAIR; LICENSEE EVENT REPORTS (LERS). INSPECTOR IDENTIFIED OPEN ITEMS WERE REVIEWED AND CLOSED AS APPROPRIATE. THE MAIN ACTIVITIES INSPECTED INCLUDED A REVIEW OF ISI

INSPECTION SUMMARY

NONDESTRUCTIVE EXAMINATION RECORDS, COMPLETED PROCEDURES OF MAINTENANCE WORK ON RC PUMP 1-A, O-RING AND ON EHC SYSTEM VALVES. IN BOTH AREAS, THE LICENSEE'S WORK PROCEDURES WERE ADEQUATE, PROBLEMS WHICH LEAD TO THE FAILURE WERE ADEQUATELY INVESTIGATED AND TECHNICAL ISSUES ADDRESSED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

RESIN IN SECONDARY PLANT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD SHUTDOWN FOR RESIN CLEANUP.

LAST IE SITE INSPECTION DATE: JULY 15, 1988

INSPECTION REPORT NO: 50-339/88-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-269 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-7567
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934
6. Design Electrical Rating (Net MWe): 887
7. Maximum Dependable Capacity (Gross MWe): 899
8. Maximum Dependable Capacity (Net MWe): 846
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

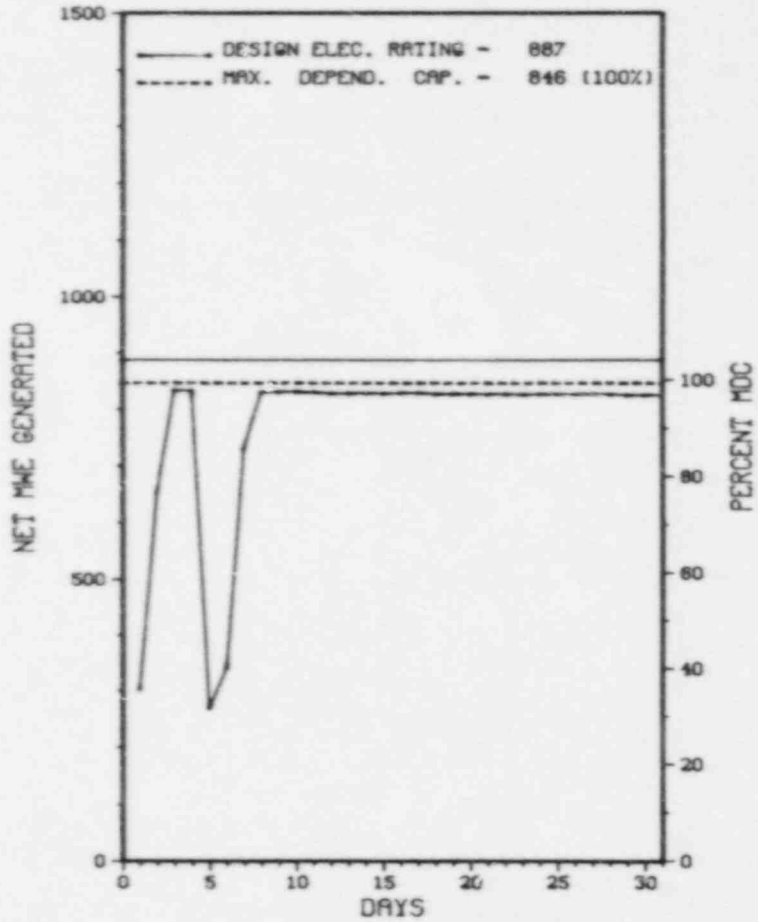
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	131,885.0
13. Hours Reactor Critical	729.0	5,096.0	98,405.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	725.0	5,092.0	94,789.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,770,696	12,799,704	229,284,769
18. Gross Elec Ener (MWH)	600,827	4,403,077	79,510,734
19. Net Elec Ener (MWH)	571,919	4,206,946	75,418,051
20. Unit Service Factor	97.4	99.6	71.9
21. Unit Avail Factor	97.4	99.6	71.9
22. Unit Cap Factor (MDC Net)	90.9	97.3	66.4*
23. Unit Cap Facter (DER Net)	86.7	92.8	64.5*
24. Unit Forced Outage Rate	2.6	.4	13.3
25. Forced Outage Hours	19.0	19.0	13,533.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - JANUARY 11, 1989, 7 WEEK DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9-P	07/01/88	F	0.0	A	5		CB	PUMPXX	REACTOR COOLANT PUMP '1B2' OIL ADDITION.
10-P	07/01/88	F	0.0	A	5		IF	INSTRU	INTEGRATED CONTROL SYSTEM PUT IN MANUAL TO RESET HI FLUX LIMITER.
11-P	07/01/88	F	0.0	B	5		RB	CRDRVE	CONTROL ROD DRIVE POWER SUPPLY CHECK.
12-P	07/01/88	S	0.0	F	5		ZZ	XXXXXX	DISPATCHER REQUEST.
13-P	07/02/88	F	0.0	H	5		HJ	PUMPXX	'1D2' HEATER DRAIN PUMP PUT IN SERVICE.
1	07/05/88	F	19.0	G	3		ZZ	INSTRU	REACTOR TRIP DUE TO AN INDICATED LOSS OF FEEDWATER.
14-P	07/06/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCHER REQUEST.
15-P	07/06/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCH REQUEST.
16-P	07/06/88	S	0.0	F	5		ZZ	ZZZZZZ	DISPATCH REQUEST.
17-P	07/07/88	F	0.0	A	5		HJ	PUMPXX	LIMITED BY CONDENSATE BOOSTER PUMP SUCTION PRESSURE.
18-P	07/07/88	F	0.0	H	5		RC	FUELXX	QUADRANT POWER TILT GREATER THAN STEADY STATE LIMIT.
19-P	07/07/88	F	0.0	B	5		IF	XXXXXX	RESET HIGH FLUX LIMITER.

SUMMARY

OCONEE 1 INCURRED ONE FORCED OUTAGE AND SEVERAL LOAD REDUCTIONS DURING JULY AS DISCUSSED ABOVE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 19, 1973

DATE ELEC ENER 1ST GENER...MAY 6, 1973

DATE COMMERCIAL OPERATE....JULY 15, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. PASTIS
DOCKET NUMBER.....50-269

LICENSE & DATE ISSUANCE....DPR-38, FEBRUARY 6, 1973

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501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 17 - JULY 15 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION INV[illegible] RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, SAFEGUARDS AND RADIATION PROTECTION, [illegible]ION OF OPEN ITEMS, AND SAFETY SYSTEM FUNCTIONAL INSPECTION REPORT FOLLOWUP. OF THE SIX AREAS INSPECTED, NO VIOLATIONS WE[illegible]

INSPECTION MAY 23-27 (88-16): THIS ROUTINE, ANNOUNCED INSPECTION WAS C[illegible]REAS OF COMPLEX SURVEILLANCE TESTING AND BULLETIN FOLLOWUP. WEAKNESSES WERE IDENTIFIED IN THE LICENSEE BULLETIN [illegible] INVOLVED FAILURE TO DIFFERENTIAL PRESSURE TEST MOTOR OPERATED VALVES IN ACCORDANCE WITH BULLETIN GUIDELIN[illegible]RM POST-MAINTENANCE MOTOR OPERATED VALVE TESTING PER A PREVIOUS LICENSEE COMMITMENT. STRENGTHS WER[illegible]EE IE BULLETIN 85-03 PROGRAM THAT INVOLVE THE FOLLOWING LICENSEE COMMITMENTS: (1) EXPAND THE SCOPE OF [illegible]TY-RELATED VALVES; (2) PERFORM DIAGNOSTIC TESTING ON BULLETIN VALVES EACH REFUELING AND FOLLOWING MAINTEN[illegible]EM THRUST; AND (3) CONSTRUCT A FULL FLOW HIGH PRESSURE TEST LOOP IN ORDER TO PERFORM ADDITIONAL TESTING OF [illegible]

INSPECTION JUNE 20-24 (88-18): THIS ROUTINE, ANNOUNCED INSPECTION WAS FOR THE P[illegible]NG NRC COVERAGE IN THE ABSENCE OF BOTH RESIDENT INSPECTORS; REVIEW OF LICENSEE ACTION OF INSPECTOR IDENTIFIED ITEMS INCLU[illegible]ENSEE EVENT REPORTS (LERS); INSERVICE TESTING OF PUMPS AND VALVES; REVIEW AND EVALUATE NONDESTRUCTIVE EXAMINATION RE[illegible]S FROM TESTS SCHEDULED FOR THE UPCOMING UNIT 3 OUTAGE. OF THE TWO AREAS INSPECTED, THE INSERVICE INSPECTION OF PUMPS AND VALVES PROGRAM PRODUCED ONE AREA OF CONCERN IN THAT THE ROOT CAUSE OF A RECURRING VALVE FAILURE HAD NOT BEEN DETERMINED AND CORRECTED EVEN THOUGH ITS FAILURE RESULTED IN REPEATED INSERVICE TEST FAILURES OF "1A" MOTOR DRIVEN EMERGENCY FEEDWATER PUMP. FOLLOWING DISCUSSION ON THIS SUBJECT, THE LICENSEE AGREED TO INITIATE SPECIAL TESTING DESIGNED TO IDENTIFY AND CORRECT THE PROBLEM. NO VIOLATIONS OR DEVIATIONS WERE

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* OCONEE 1 *
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INSPECTION SUMMARY

IDENTIFIED.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) CONTROLS AND WORK ACTIVITIES FOR FIRE PROTECTION, SEISMIC MONITORING AND FOLLOWUP ON LICENSEE IDENTIFIED ITEM (LER) 269/88-05. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT 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: JULY 29, 1988 +

INSPECTION REPORT NO: 50-269/88-21 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-007	05/18/88	07/06/88	TECHNICAL SPECIFICATION VIOLATION DUE TO MISSED FIREWATCHES RESULTING FROM PERSONNEL ERROR AND MANAGEMENT DEFICIENCY

1. Docket: 50-270 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage * On-line Hrs: 744.0
3. Utility Contact: J. A. REAVIS (704) 373-7567
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934
6. Design Electrical Rating (Net MWe): 887
7. Maximum Dependable Capacity (Gross MWe): 899
8. Maximum Dependable Capacity (Net MWe): 846
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	121,800.0
13. Hours Reactor Critical	518.7	3,319.0	92,015.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	515.5	3,216.7	90,510.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,302,912	7,769,976	215,410,077
18. Gross Elec Ener (MWH)	448,957	2,624,461	73,307,142
19. Net Elec Ener (MWH)	428,956	2,492,073	69,689,391
20. Unit Service Factor	69.3	62.9	74.3
21. Unit Avail Factor	69.3	62.9	74.3
22. Unit Cap Factor (MDC Net)	66.6	57.6	66.4*
23. Unit Cap Factor (DER Net)	63.5	55.0	64.5*
24. Unit Forced Outage Rate	30.7	8.3	11.8
25. Forced Outage Hours	228.5	290.6	11,253.6

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

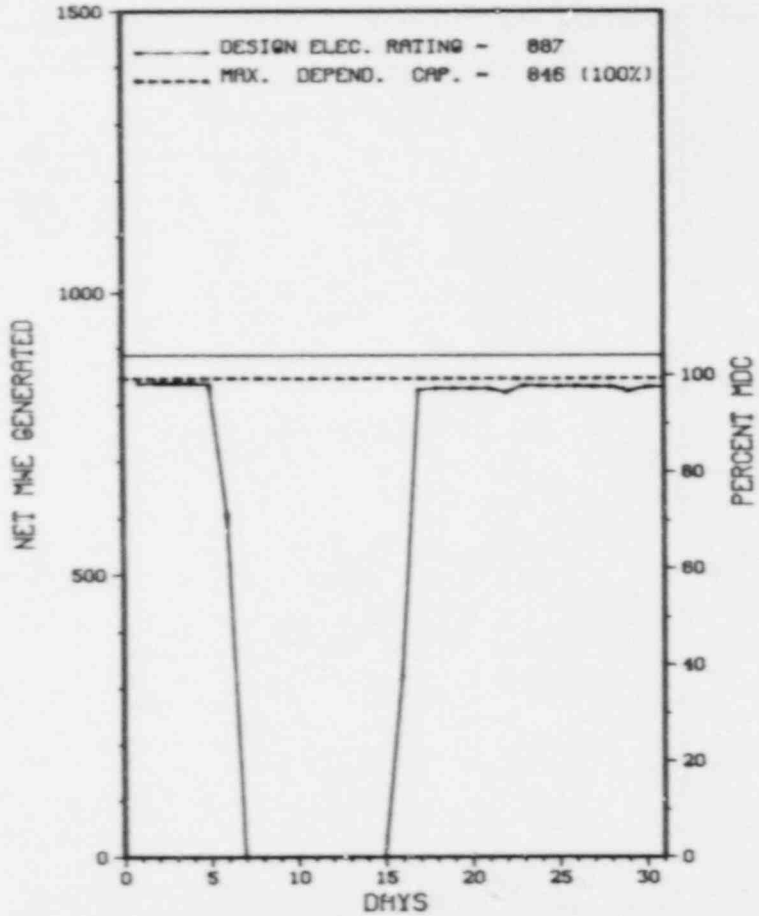
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/06/88	F	228.5	A	1		CH	HTEXCH	'2A2' STEAM GENERATOR TUBE LEAK.
19-P	07/16/88	F	0.0	A	5		HK	PUMPXX	HIGH INBOARD SEAL TEMPERATURE ON '2B' FEEDWATER PUMP.
20-P	07/16/88	F	0.0	A	5		HB	HTEXCH	ISOLATE '2A2' FEEDWATER HEATER DUE TO TUBE LEAK.
21-P	07/18/88	F	0.0	H	5		HB	XXXXXX	FEEDWATER SWINGS.
22-P	07/22/88	F	0.0	H	5		HB	HTEXCH	PLACE '2A2' FEEDWATER HEATER IN SERVICE.
23-P	07/29/88	F	0.0	B	5		HB	HTEXCH	FEEDWATER HEATER ADJUSTMENTS.

****
* SUMMARY *
****

OCONEE 2 INCURRED ONE FORCED OUTAGE DUE TO STEAM GENERATOR TUBE LEAK AND 5 FORCED LOAD REDUCTIONS DURING JULY.

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

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 11, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 9, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. PASTIS
DOCKET NUMBER.....50-270

LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973

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WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 17 - JULY 15 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, SAFEGUARDS AND RADIATION PROTECTION, INSPECTION OF OPEN ITEMS, AND SAFETY SYSTEM FUNCTIONAL INSPECTION REPORT FOLLOWUP. OF THE SIX AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION MAY 23-27 (88-16): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF COMPLEX SURVEILLANCE TESTING AND BULLETIN FOLLOWUP. WEAKNESSES WERE IDENTIFIED IN THE LICENSEE BULLETIN 85-03 PROGRAM THAT INVOLVED FAILURE TO DIFFERENTIAL PRESSURE TEST MOTOR OPERATED VALVES IN ACCORDANCE WITH BULLETIN GUIDELINES, AND A FAILURE TO PERFORM POST-MAINTENANCE MOTOR OPERATED VALVE TESTING PER A PREVIOUS LICENSEE COMMITMENT. STRENGTHS WERE IDENTIFIED IN THE LICENSEE IE BULLETIN 85-03 PROGRAM THAT INVOLVE THE FOLLOWING LICENSEE COMMITMENTS: (1) EXPAND THE SCOPE OF BULLETIN 85-03 TO ALL SAFETY-RELATED VALVES; (2) PERFORM DIAGNOSTIC TESTING ON BULLETIN VALVES BACK REFUELING AND FOLLOWING MAINTENANCE THAT COULD EFFECT STEM THRUST; AND (3) CONSTRUCT A FULL FLOW HIGH PRESSURE TEST LOOP IN ORDER TO PERFORM ADDITIONAL TESTING OF MOTOR OPERATED VALVES.

INSPECTION JUNE 20 [illegible] (88-18): THIS ROUTINE, ANNOUNCED INSPECTION WAS FOR THE PURPOSE OF PROVIDING NRC COVERAGE IN THE ABSENCE OF BOTH RESIDENT INSPECTORS. [illegible] OF LICENSEE ACTION OF INSPECTOR IDENTIFIED ITEMS INCLUDING LICENSEE EVENT REPORTS (LERS); INSERVICE TESTING OF PUMPS AND VALVES; REVIEW AND EVALUATE NONDESTRUCTIVE EXAMINATION RESULTS FROM TESTS SCHEDULED FOR THE UPCOMING UNIT 3 OUTAGE. OF THE TWO AREAS INSPECTED, THE INSERVICE INSPECTION OF PUMPS AND VALVES PROGRAM PRODUCED ONE AREA OF CONCERN IN THAT THE ROOT CAUSE OF A RECURRING VALVE FAILURE HAD NOT BEEN DETERMINED AND CORRECTED EVEN THOUGH ITS FAILURE RESULTED IN REPEATED INSERVICE TEST FAILURES OF "1A" MOTOR DRIVEN EMERGENCY FEEDWATER PUMP. FOLLOWING DISCUSSION ON THIS SUBJECT, THE LICENSEE AGREED TO INITIATE SPECIAL TESTING DESIGNED TO IDENTIFY AND CORRECT THE PROBLEM. NO VIOLATIONS OR DEVIATIONS WERE

INSPECTION SUMMARY

IDENTIFIED.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) CONTROLS AND WORK ACTIVITIES FOR FIRE PROTECTION, SEISMIC MONITORING AND FOLLOWUP ON LICENSEE IDENTIFIED ITEM (LER) 269/88-05. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT 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: JULY 29, 1988 +

INSPECTION REPORT NO: 50-270/88-21 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (704) 373-7567

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 846

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	119,447.0
13. Hours Reactor Critical	744.0	4,594.7	87,943.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,587.4	86,573.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,909,976	11,571,416	212,470,877
18. Gross Elec Ener (MWH)	645,085	3,976,137	73,186,682
19. Net Elec Ener (MWH)	617,418	3,804,651	69,733,281
20. Unit Service Factor	100.0	89.8	72.5
21. Unit Avail Factor	100.0	89.8	72.5
22. Unit Cap Factor (MDC Net)	98.1	88.0	67.8*
23. Unit Cap Factor (DER Net)	93.6	83.9	65.8*
24. Unit Forced Outage Rate	.0	10.2	13.0
25. Forced Outage Hours	.0	523.6	13,148.9

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

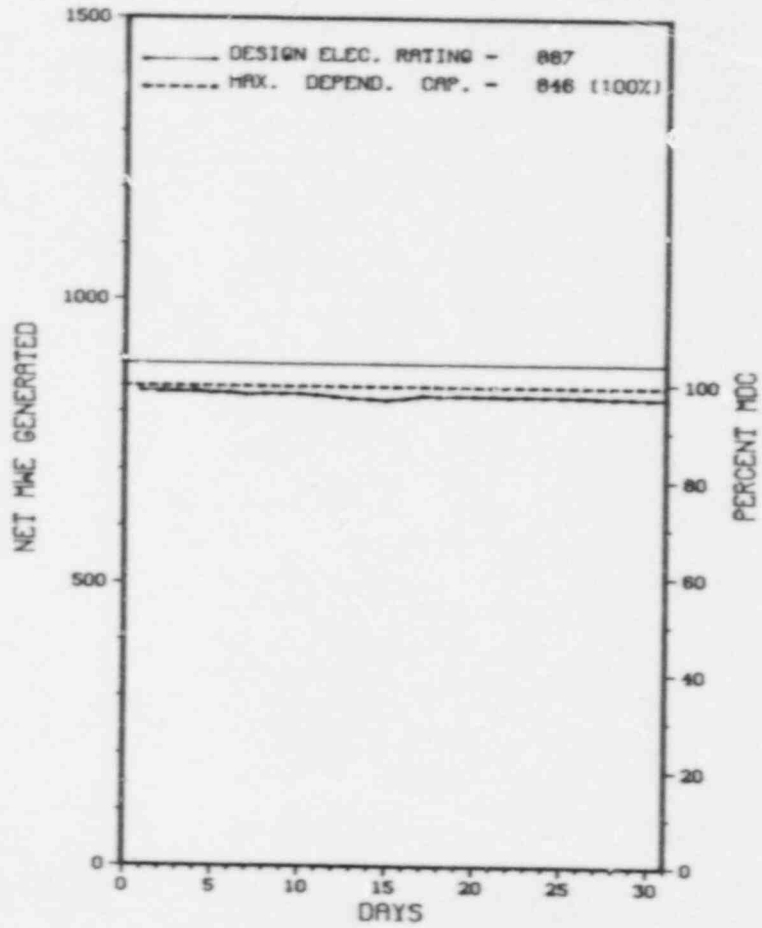
REFUELING - AUGUST 10, 1988 - 7 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 3

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

NONE

SUMMARY

OCONEE 3 OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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 KEOWE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....H. PASTIS
DOCKET NUMBER.....50-287

LICENSE & DATE ISSUANCE....DPR-55, JULY 19, 1974

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 17 - JULY 15 (88-15): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED RESIDENT INSPECTION ON-SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, SAFEGUARDS AND RADIATION PROTECTION, INSPECTION OF OPEN ITEMS, AND SAFETY SYSTEM FUNCTIONAL INSPECTION REPORT FOLLOWUP. OF THE SIX AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION MAY 23-27 (88-16): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF COMPLEX SURVEILLANCE TESTING AND BULLETIN FOLLOWUP. WEAKNESSES WERE IDENTIFIED IN THE LICENSEE BULLETIN 85-03 PROGRAM THAT INVOLVED FAILURE TO DIFFERENTIAL PRESSURE TEST MOTOR OPERATED VALVES IN ACCORDANCE WITH BULLETIN GUIDELINES, AND A FAILURE TO PERFORM POST-MAINTENANCE MOTOR OPERATED VALVE TESTING PER A PREVIOUS LICENSEE COMMITMENT. STRENGTHS WERE IDENTIFIED IN THE LICENSEE IE BULLETIN 85-03 PROGRAM THAT INVOLVE THE FOLLOWING LICENSEE COMMITMENTS: (1) EXPAND THE SCOPE OF BULLETIN 85-03 TO ALL SAFETY-RELATED VALVES; (2) PERFORM DIAGNOSTIC TESTING ON BULLETIN VALVES EACH REFUELING AND FOLLOWING MAINTENANCE THAT COULD EFFECT STEM THRUST; AND (3) CONSTRUCT A FULL FLOW HIGH PRESSURE TEST LOOP IN ORDER TO PERFORM ADDITIONAL TESTING OF MOTOR OPERATED VALVES.

INSPECTION JUNE 20-24 (88-18): THIS ROUTINE, ANNOUNCED INSPECTION WAS FOR THE PURPOSE OF PROVIDING NRC COVERAGE IN THE ABSENCE OF BOTH RESIDENT INSPECTORS; REVIEW OF LICENSEE ACTION OF INSPECTOR IDENTIFIED ITEMS INCLUDING LICENSEE EVENT REPORTS (LERS); INSERVICE TESTING OF PUMPS AND VALVES; REVIEW AND EVALUATE NONDESTRUCTIVE EXAMINATION RESULTS FROM TESTS SCHEDULED FOR THE UPCOMING UNIT 3 OUTAGE. OF THE TWO AREAS INSPECTED, THE INSERVICE INSPECTION OF PUMPS AND VALVES PROGRAM PRODUCED ONE AREA OF CONCERN IN THAT THE ROOT CAUSE OF A RECURRING VALVE FAILURE HAD NOT BEEN DETERMINED AND CORRECTED EVEN THOUGH ITS FAILURE RESULTED IN REPEATED INSERVICE TEST FAILURES OF "1A" MOTOR DRIVEN EMERGENCY FEEDWATER PUMP. FOLLOWING DISCUSSION ON THIS SUBJECT, THE LICENSEE AGREED TO INITIATE SPECIAL TESTING DESIGNED TO IDENTIFY AND CORRECT THE PROBLEM. NO VIOLATIONS OR DEVIATIONS WERE

INSPECTION SUMMARY

IDENTIFIED.

INSPECTION JUNE 27 - JULY 1 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) CONTROLS AND WORK ACTIVITIES FOR FIRE PROTECTION, SEISMIC MONITORING AND FOLLOWUP ON LICENSEE IDENTIFIED ITEM (LER) 269/88-05. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT 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: JULY 29, 1988 +

INSPECTION REPORT NO: 50-287/88-21 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: JOHN H. SEDAR JR. (609) 971-4698

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 687.5 X 0.8 = 550

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 642

8. Maximum Dependable Capacity (Net MWe): 620

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

MDC GROSS CHANGED TO REFLECT SUMMER GENERATION.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	163,103.0
13. Hours Reactor Critical	211.9	4,578.9	105,730.4
14. Rx Reserve Shtdwn Hrs	.0	.0	1,208.0
15. Hrs Generator On-Line	211.7	4,578.7	102,370.6
16. Unit Reserve Shtdwn Hrs	.0	.0	1,761.4
17. Gross Therm Ener (MWH)	383,500	8,683,500	171,447,908
18. Gross Elec Ener (MWH)	126,590	2,958,220	57,876,574
19. Net Elec Ener (MWH)	118,908	2,848,830	55,571,718
20. Unit Service Factor	28.5	89.6	62.8
21. Unit Avail Factor	28.5	89.6	63.8
22. Unit Cap Factor (MDC Net)	25.8	89.9	55.0*
23. Unit Cap Factor (DER Net)	24.6	85.8	52.4
24. Unit Forced Outage Rate	71.5	10.4	14.2
25. Forced Outage Hours	532.3	532.3	14,978.8

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

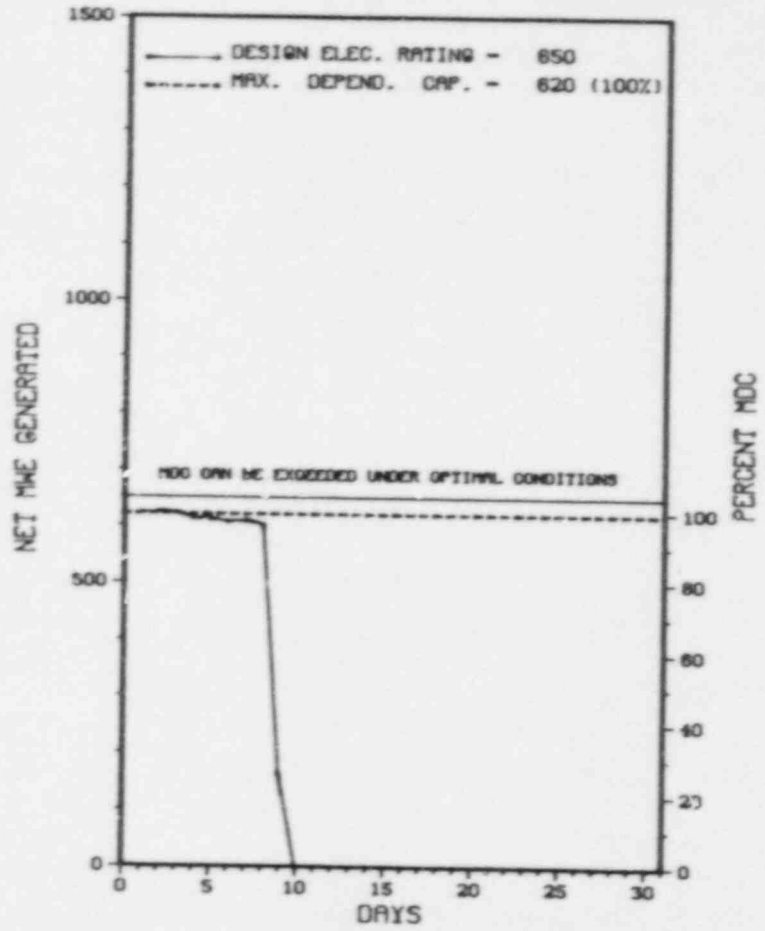
REFUELING - OCTOBER 15, 1988 - 84 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 08/10/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
68	07/09/88	F	532.3	A	2				PLANT SHUTDOWN WAS REQUIRED AFTER MSIV "NS03A" FAILED TO OPERATE PROPERLY DURING ROUTINE TESTING. THE RX WAS MANUALLY SCRAMMED AFTER THE GENERATOR WAS TAKEN OFF THE LINE.

****
* SUMMARY *
****

OYSTER CREEK INCURRED ONE FORCED OUTAGE IN JULY DUE TO EQUIPMENT FAILURE AND REMAINED SHUTDOWN AT THE END OF THE MONTH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...May 5, 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.....J. WECHSELBERGR

LICENSING PROJ MANAGER.....A. DROMERICK
DOCKET NUMBER.....50-219

LICENSE & DATE ISSUANCE....DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

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: 50-255 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2530

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

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 770

8. Maximum Dependable Capacity (Net MWe): 730

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	145,679.0
13. Hours Reactor Critical	744.0	4,401.2	78,418.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,361.4	74,628.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,794,168	10,634,336	157,622,253
18. Gross Elec Ener (MWH)	566,320	3,343,585	49,254,105
19. Net Elec Ener (MWH)	536,426	3,168,436	46,385,470
20. Unit Service Factor	100.0	85.3	51.2
21. Unit Avail Factor	100.0	85.3	51.2
22. Unit Cap Factor (MDC Net)	98.8	84.9	43.6
23. Unit Cap Factor (DER Net)	89.6	77.0	39.6
24. Unit Forced Outage Rate	.0	14.7	34.9
25. Forced Outage Hours	.0	749.6	26,009.1

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

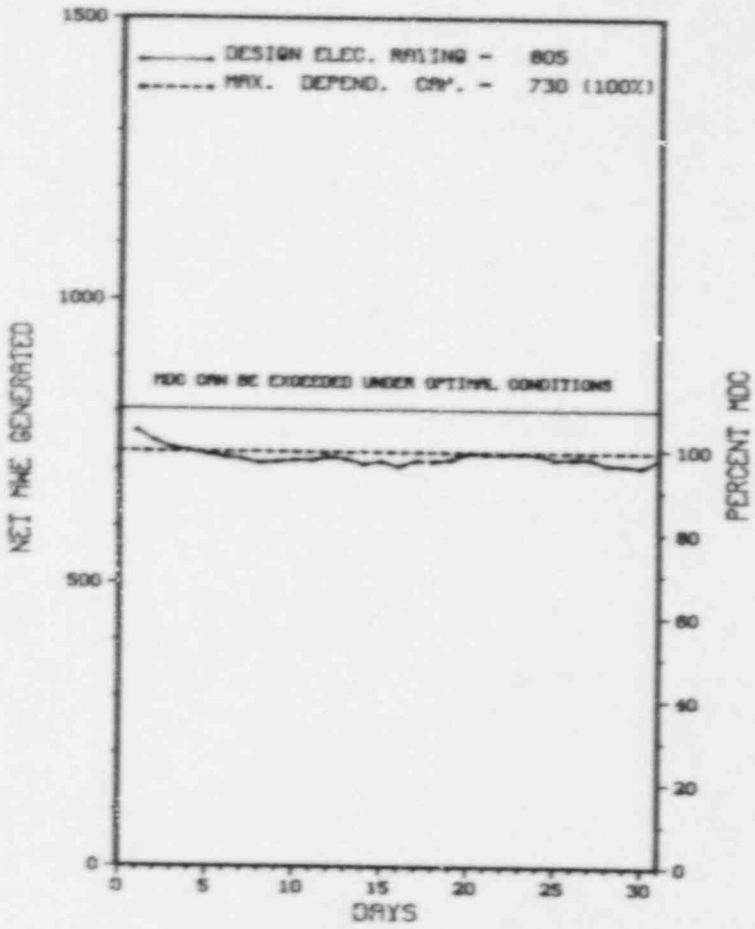
REFUELING - SEPTEMBER 5, 1988 - 95 DAY DURATION.

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

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



JULY 1988

Report Period JUL 1988 U N I T S H U T D O W N S / R E D U C T I O N S

****
* PALISADES *
****

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

****
* SUMMARY *
****

PALISADES OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....VANBUREN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 24, 1971

DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971

DATE COMMERCIAL OPERATE....DECEMBER 31, 1971

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE....DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN 49423

INSPECTION STATUS

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

10 CFR 21.21 REQUIRES NOTIFICATION OF THE NRC (REGION OR HQ) WITHIN TWO DAYS OF RECEIPT OF INFORMATION REASONABLY INDICATING THAT A DEFECT OR FAILURE TO COMPLY EXISTS, AND THAT THE INITIAL NOTIFICATION BE FOLLOWED UP IN WRITING WITHIN FIVE DAYS. CONTRARY TO THE ABOVE, THE LICENSEE DETERMINED ON MAY 13, 1988 THAT A REPORTABLE FAILURE CONCERNING ITE K 225 480V K-LINE CIRCUIT BREAKERS HAD OCCURRED AND ASIDE FROM NOTIFYING THE RESIDENT INSPECTOR, NO TELEPHONE NOTIFICATIONS TO THE NRC OCCURRED, AND THE FIVE DAY LETTER WAS NOT SUBMITTED UNTIL MAY 20, 1988.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

REFUELING OUTAGE PLANNED FOR 9/6/88

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATED AT 95% (FUEL CONSERVATION) ENTIRE MONTH.

LAST IE SITE INSPECTION DATE: 07/06/88

INSPECTION REPORT NO: 88016

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11	062488	072588	SINGLE FAILURE CRITERIA NOT MET FOR ALL INSTRUMENT AC BUS ALIGNMENTS
88-26	062388	072388	REACTOR SCRAM DUE TO UNEXPECTED MAIN TURBINE TRIP CAUSED BY MECHANICAL FAILURE OF TURBINE TRIP LATCH ASSEMBLY
88-27	062988	072988	HIGH PRESSURE CORE SPRAY PLACED IN SECURED STATUS DUE TO A FAILED LEAK DETECTION TRANSMITTER

1. Docket: 50-528 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,112.0	21,984.0
13. Hours Reactor Critical	132.1	2,710.9	12,688.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	132.1	2,629.3	12,346.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	503,771	9,541,006	44,573,843
18. Gross Elec Ener (MWH)	174,000	3,330,700	15,474,000
19. Net Elec Ener (MWH)	158,169	3,119,869	14,447,983
20. Unit Service Factor	17.8	51.4	56.2
21. Unit Avail Factor	17.8	51.4	56.2
22. Unit Cap Factor (MDC Net)	17.4	50.0	53.8
23. Unit Cap Factor (DER Net)	16.7	48.1	51.7
24. Unit Forced Outage Rate	82.2	45.5	34.4
25. Forced Outage Hours	611.9	2,198.2	6,469.9

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

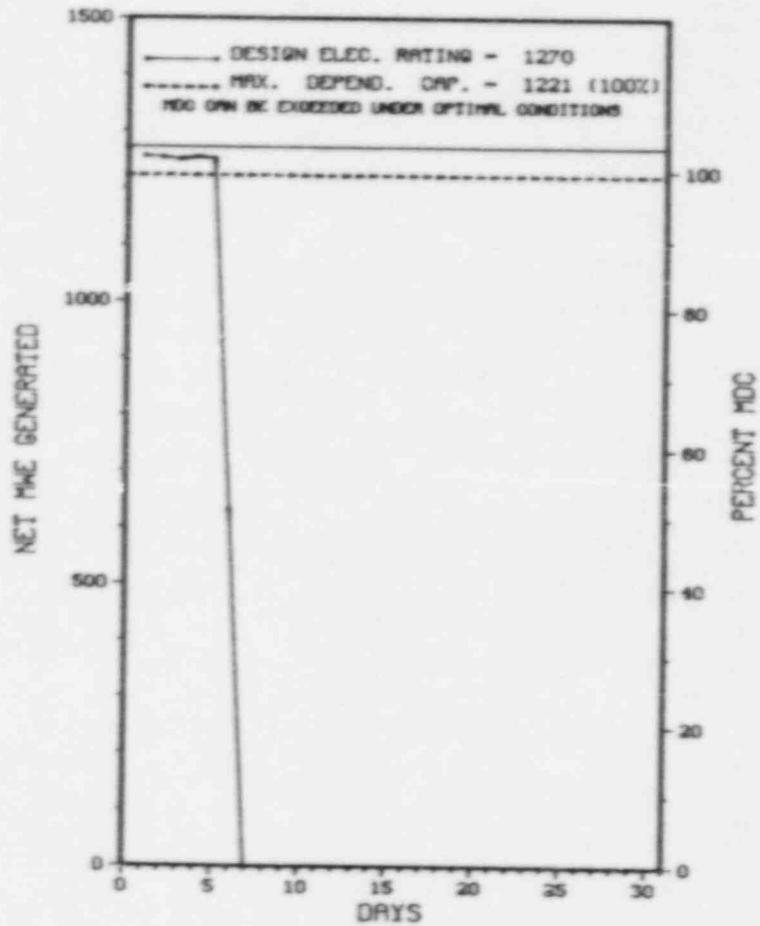
NONE

27. If Currently Shutdown Estimated Startup Date: 08/15/88

****
* PALO VERDE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* PALO VERDE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/06/88	F	611.9	A	3	1-88-010	EA	NSBU	A FAULT ON THE 13.8KV BUS RESULTED IN AN EXPLOSION/FIRE OF THE AUXILIARY TRANSFORMER. THE RESULTANT LOSS OF POWER TO THE RCPS LED TO A REACTOR TRIP ON LOW DNBR. CORRECTIVE ACTIONS INCLUDED INSPECTIONS AND CLEANING OF SIMILAR 13.8KV BUSSES IN UNIT 1 AND A SAMPLE OF UNIT 3'S BUSSES. IN ADDITION, A REVIEW OF THE PREVENTIVE MAINTENANCE ASSOCIATED WITH THE BUSSES IS BEING CONDUCTED.

****
* SUMMARY *
****

PALO VERDE 1 INCURRED ONE FORCED OUTAGE IN JULY DUE TO EQUIPMENT FAILURE AND REMAINED SHUTDOWN AT END OF MONTH.

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

****
* PALO VERDE 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA

COUNTY.....MARICOPA

DIST AND DIRECTION FROM NEAREST POPULATION CTR...36 MI W OF PHOENIX, AZ

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 25, 1985

DATE ELEC ENER 1ST GENER...JUNE 10, 1985

DATE COMMERCIAL OPERATE....JANUARY 28, 1986

CONDENSER COOLING METHOD...TREATED SEWAGE

CONDENSER COOLING WATER....SEWAGE TREATMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 21666
PHOENIX, ARIZONA 85036

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....T. POLICH

LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-528

LICENSE & DATE ISSUANCE....NPF-41, JUNE 1, 1985

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DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIZ, ARIZONA 85004

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-528/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-528/88-19) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT AND FOLLOW-UP OF ENFORCEMENT ITEMS, OPEN ITEMS, AND BULLETINS/NOTICES/LER(S). DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S CORRECTIVE MEASURES FOR ENFORCEMENT ITEMS AND ACTIONS ON FOLLOWUP ITEMS WERE APPROPRIATE, WELL DOCUMENTED AND ADEQUATE.

+ INSPECTION ON MAY 25 - JUNE 24, 1988 (REPORT NO. 50-528/88-20) AREAS INSPECTED: THIS SPECIAL INSPECTION BY REGIONALLY BASED INSPECTORS REVIEWED THE CIRCUMSTANCES SURROUNDING A REACTOR STARTUP OF PALO VERDE UNIT 1 ON MAY 14, 1988, IN WHICH THE REACTOR WENT CRITICAL WITH THE CONTROL ELEMENT ASSEMBLIES (CEAS, COMMONLY KNOWN AS CONTROL RODS) INSERTED BELOW THE TECHNICAL SPECIFICATION LIMIT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: SIX VIOLATIONS WERE IDENTIFIED: FAILURE TO IDENTIFY A SIGNIFICANT CALCULATIONAL ERROR AS A NONCONFORMANCE ENTRY INTO MODE 2 WITH CEAS BELOW THE TRANSIENT INSERTION LIMITS, IMPROPER CONTROL OF REACTIVITY DURING CONDUCT OF STARTUP PROCEDURE, FAILURE TO IMMEDIATELY BORATE THE REACTOR WITH APPARENTLY INADEQUATE SHUTDOWN MARGIN, FAILURE TO RECORD REACTOR CRITICALITY, AND FAILURE

INSPECTION SUMMARY

TO REPORT THIS EVENT AS REQUIRED BY 10 CFR 50.72. IN ADDITION, THE LICENSEE'S POST TRIP REVIEW REPORT WAS NOT ADEQUATE IN SCOPE AND DEPTH TO ALLOW THE LICENSEE TO FULLY UNDERSTAND THE EVENT AND TO INITIATE ADEQUATE CORRECTIVE ACTIONS PRIOR TO RESTART OF PALO VERDE UNIT 1.

+ MANAGEMENT MEETING ON MAY 2, 1988 (REPORT NO. 50-528/88-21) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE PALO VERDE UNIT 1 NUCLEAR GENERATING STATION.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-528/88-22) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION, PLANT CHEMISTRY, RADWASTE AND TRANSPORTATION: TRAINING AND QUALIFICATION; CONTROL OF RADIOACTIVE MATERIAL, CONTAMINATION AND SURVEYS; SOLID WASTES; LIQUIDS AND LIQUID WASTES; GASEOUS WASTE SYSTEM AND A TOUR OF UNIT 1. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 5 - AUGUST 6, 1988 (REPORT NO. 50-528/88-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 5 - 8, 1988 (REPORT NO. 50-528/88-24) AREAS INSPECTED: THIS SPECIAL INSPECTION REVIEWED THE INOPERABILITY OF BOTH TRAINS OF ESSENTIAL CHILLED WATER AT UNIT 1 DURING THE PERIOD OF MAY 28-29, 1988. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: ONE VIOLATION OF TECHNICAL SPECIFICATIONS WAS IDENTIFIED IN THAT TWO TRAINS OF ESSENTIAL CHILLED WATER WERE INOPERABLE FOR A PERIOD OF APPROXIMATELY NINE DAYS.

+ INSPECTION ON JULY 18 - 22, 1988 (REPORT NO. 50-528/88-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

THE UNIT AUXILIARY TRANSFORMER FAILED ON JULY 6, 1988 RESULTING IN A FIRE AND LOSS OF OFFSITE POWER TO THE NON-VITAL ELECTRICAL BUSES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

MR. DON KARNER RELIEVES MR. ED VAN BRUNT AS EXECUTIVE VP ON AUGUST 1, 1988.

PLANT STATUS:

OTHER ITEMS

IN MODE 4 COOLING DOWN TO MODE 5 TO REPAIR DAMAGE CAUSED BY THE AUXILIARY TRANSFORMER FIRE.

LAST IE SITE INSPECTION DATE: 07/05 - 08/06/88+

INSPECTION REPORT NO: 50-528/88-23+

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
88-14-LO	02-10-88	06-06-88	MAIN STM SAFETY VALVE SETPT OUT OF TOLERANCE
88-16-LO	05-14-88	06-13-88	RX TRIP FOLLOWING EARLY CRIT
88-17-LO	05-29-88	06-28-88	BOTH ESSENTIAL CHILLERS INOPERABLE

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1. Docket: 50-529 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,112.0	16,368.0
13. Hours Reactor Critical	744.0	2,256.6	11,531.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,142.0	11,268.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,794,833	7,813,952	41,021,119
18. Gross Eloc Ener (MWK)	978,100	2,729,800	14,391,070
19. Net Elec Ener (MWH)	919,688	2,542,033	13,478,915
20. Unit Service Factor	100.0	41.9	68.8
21. Unit Avail Factor	100.0	41.9	68.8
22. Unit Cap Factor (MDC Net)	101.2	40.7	67.4
23. Unit Cap Factor (DER Net)	97.3	39.2	64.8
24. Unit Forced Outage Rate	.0	.0	5.4
25. Forced Outage Hours	.0	.0	637.1

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

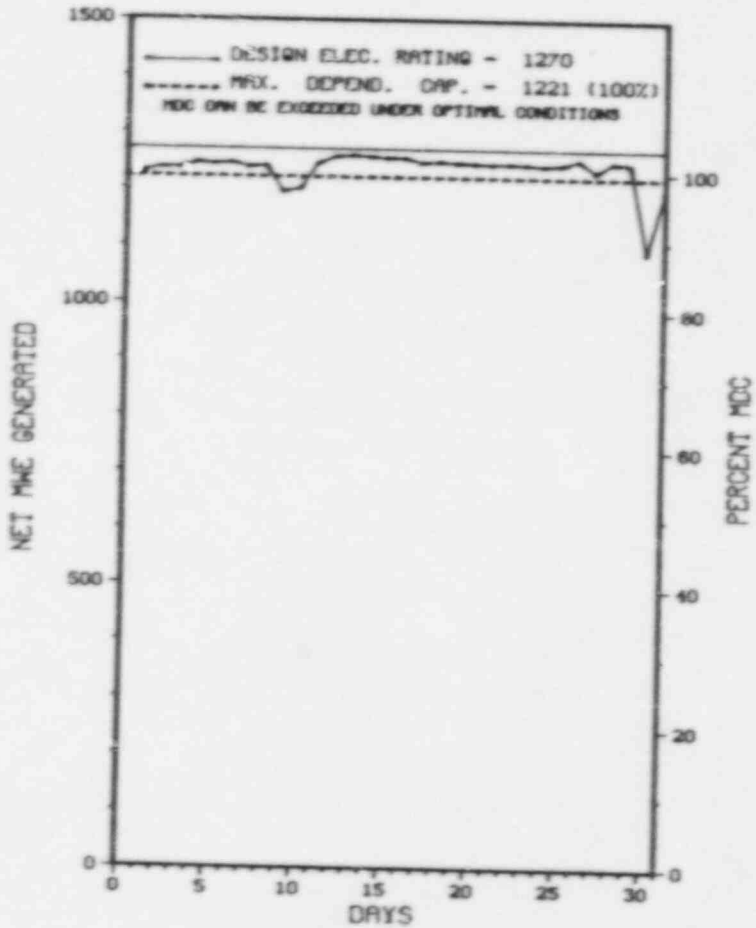
NONE

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

****
* PALO VERDE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* PALO VERDE 2 *
****

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

NONE

****
* SUMMARY *
****

PALO VERDE 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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)

****
* PALO VERDE 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA

COUNTY.....MARICOPA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MI W OF
PHOENIX, AZ

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 18, 1986

DATE ELEC ENER 1ST GENER...MAY 20, 1986

DATE COMMERCIAL OPERATE....SEPTEMBER 19, 1986

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....SEWAGE TREATMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 21666
PHOENIX, ARIZONA 85036

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....T. POLICH

LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-529

LICENSE & DATE ISSUANCE....NPF-51, APRIL 24, 1986

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INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-529/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-529/88-20) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT AND FOLLOW-UP OF ENFORCEMENT ITEMS, OPEN ITEMS, AND BULLETINS/NOTICES/LER(S). DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S CORRECTIVE MEASURES FOR ENFORCEMENT ITEMS AND ACTIONS ON FOLLOWUP ITEMS WERE APPROPRIATE, WELL DOCUMENTED AND ADEQUATE.

+ MANAGEMENT MEETING ON MAY 2, 1988 (REPORT NO. 50-529/88-21) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE PALO VERDE UNIT 2 NUCLEAR GENERATING STATION.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-529/88-22) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION, PLANT CHEMISTRY, RADWASTE AND TRANSPORTATION: TRAINING AND QUALIFICATION; CONTROL OF RADIOACTIVE MATERIAL, CONTAMINATION AND SURVEYS; SOLID WASTES; LIQUIDS AND LIQUID WASTES; GASEOUS WASTE SYSTEM AND A TOUR OF UNIT 2. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

****
* PALO VERDE 2 *
****

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 5 - AUGUST 6, 1988 (REPORT NO. 50-529/88-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 18 - 22, 1988 (REPORT NO. 50-528/88-24) 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:

THE UNIT IS PRESENTLY AT FULL POWER.

LAST IE SITE INSPECTION DATE: 07/05 - 08/06/88+

INSPECTION REPORT NO: 50-529/88-23+

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
88-07-L0	05-11-88	06-08-88	FUEL BLDG EXHAUST VENTILATION DUE TO RADIATION MONITOR MALFUNCTION
88-11-L0	05-22-88	06-22-88	OVEREXPOSURE TO RADIATION

1. Docket: 50-530 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3800

5. Nameplate Rating (Gross MWe): 1403

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1303

8. Maximum Dependable Capacity (Net MWe): 1221

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

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	4,944.0	4,944.0
13. Hours Reactor Critical	744.0	4,944.0	4,944.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	736.6	4,936.6	4,936.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,780,396	18,385,572	18,385,572
18. Gross Elec Ener (MWH)	967,500	6,471,500	6,471,500
19. Net Elec Ener (MWH)	912,625	6,112,539	6,112,539
20. Unit Service Factor	99.0	99.9	99.9
21. Unit Avail Factor	99.0	99.9	99.9
22. Unit Cap Factor (MDC Net)	100.5	101.3	101.3
23. Unit Cap Factor (DER Net)	96.6	97.4	97.4
24. Unit Forced Outage Rate	1.0	.1	.1
25. Forced Outage Hours	7.4	7.4	7.4

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

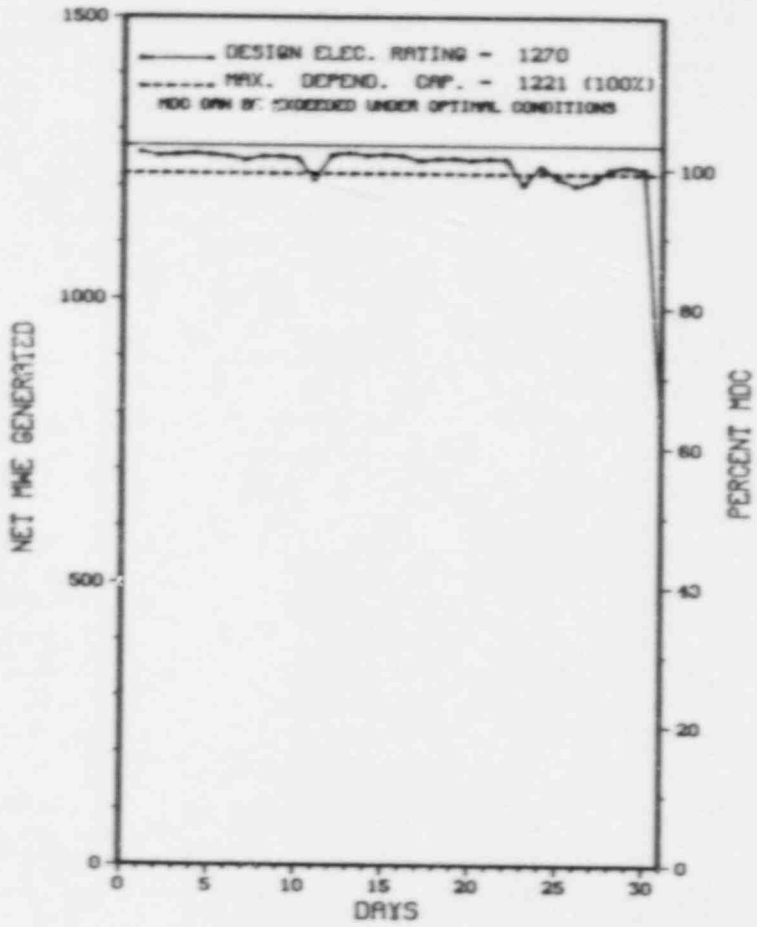
NONE

27. If Currently Shutdown Estimated Startup Date: 08/16/88

****
* PALO VERDE 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALO VERDE 3



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* PALO VERDE 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/31/88	F	7.4	H	2				TURBINE TRIP OCCURRED WHEN A LIGHTNING STRIKE TRIPPED THE B-PHASE MAIN TRANSFORMER.

****
* SUMMARY *
****

PALO VERDE 3 INCURRED ONE FORCED OUTAGE DURING JULY WHEN A LIGHTNING STRIKE TRIPPED THE B-PHASE MAIN TRANSFORMER.

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)

****
* PALO VERDE 3 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA

COUNTY.....MARICOPA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MI W OF
PHOENIX, AZ

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 25, 1987

DATE ELEC ENEP 1ST GENER...NOVEMBER 28, 1987

DATE COMMERCIAL OPERATE....JANUARY 8, 1988

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....SEWAGE TREATMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 21666
PHOENIX, ARIZONA 85036

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....T. POLICH

LICENSING PROJ MANAGER.....M. DAVIS
DOCKET NUMBER.....50-530

LICENSE & DATE ISSUANCE....NPF-74, NOVEMBER 25, 1987

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INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 22 - JULY 4, 1988 (REPORT NO. 50-530/88-18) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-530/88-19) AREAS INSPECTED: AN ANNOUNCED INSPECTION BY ONE REGIONALLY BASED INSPECTOR OF VARIOUS VITAL AREAS AND EQUIPMENT IN THE PLANT AND FOLLOW-UP OF ENFORCEMENT ITEMS, OPEN ITEMS, AND BULLETINS/NOTICES/LER(S). DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. THE LICENSEE'S CORRECTIVE MEASURES FOR ENFORCEMENT ITEMS AND ACTIONS ON FOLLOWUP ITEMS WERE APPROPRIATE, WELL DOCUMENTED AND ADEQUATE.

+ MANAGEMENT MEETING ON MAY 2, 1988 (REPORT NO. 50-530/88-20) A MANAGEMENT MEETING WAS HELD ON THE ABOVE DATE TO DISCUSS ISSUES OF CURRENT INTEREST RELATING TO THE PALO VERDE UNIT 3 NUCLEAR GENERATING STATION.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-530/88-21) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION INCLUDING ONSITE FOLLOWUP OF WRITTEN REPORTS OF NONROUTINE EVENTS; ONSITE FOLLOWUP OF EVENTS AT OPERATING REACTORS; RADIATION PROTECTION, PLANT CHEMISTRY, RADWASTE AND TRANSPORTATION: TRAINING AND QUALIFICATION; CONTROL OF RADIOACTIVE MATERIAL, CONTAMINATION AND SURVEYS; SOLID WASTES; LIQUIDS AND LIQUID WASTES; GASEOUS WASTE SYSTEM AND A TOUR OF UNIT 3. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 5 - AUGUST 6, 1988 (REPORT NO. 50-530/88-22) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 18 -22, 1988 (REPORT NO. 50-530/88-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

NFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

TK2 UNIT IS AT FULL POWER

LAST IE SITE INSPECTION DATE: 07/05 - 08/06/88+

INSPECTION REPORT NO: 50-530/88-22+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-277 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: T. J. MIDDLETON (215) 841-6374

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

NONE

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

11. Reasons for Restrictions, If Any:

NRC ORDER OF 3/31/87

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	123,383.0
13. Hours Reactor Critical	.0	.0	74,196.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	71,866.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	212,810,745
18. Gross Elec Ener (MWH)	0	0	70,019,230
19. Net Elec Ener (MWH)	-3,656	-26,891	67,014,225
20. Unit Service Factor	.0	.0	58.2
21. Unit Avail Factor	.0	.0	58.2
22. Unit Cap Factor (MDC Net)	.0	.0	51.7
23. Unit Cap Factor (DER Net)	.0	.0	51.0
24. Unit Forced Outage Rate	.0	.0	14.6
25. Forced Outage Hours	.0	.0	12,394.0

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

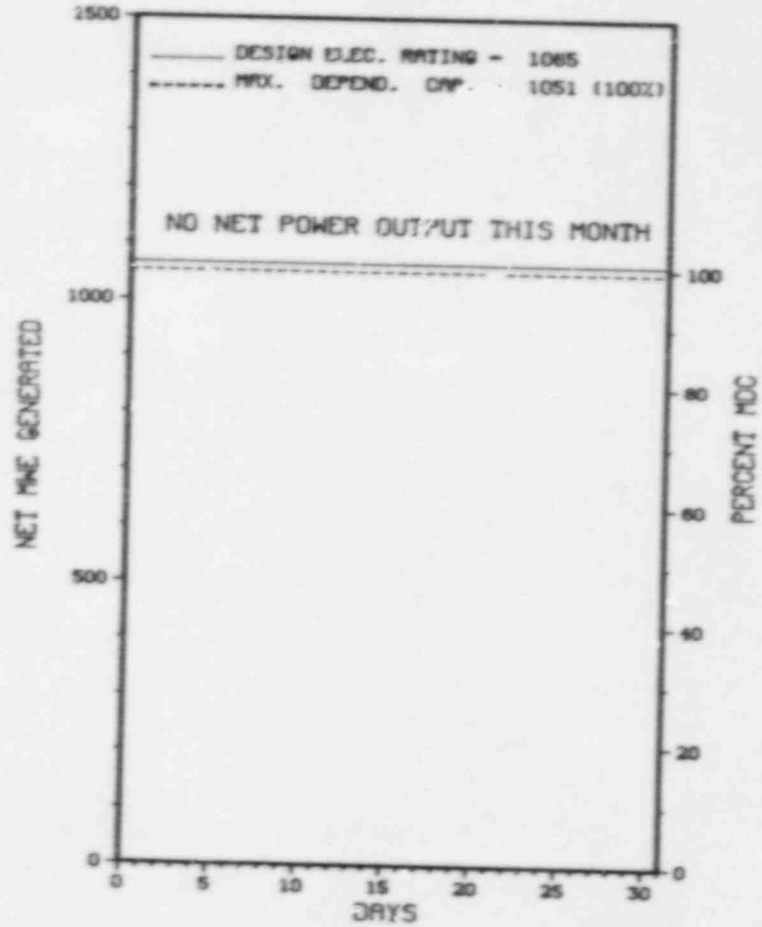
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	744.0	C	4		RC	FUELXX	NRC REQUIRED SHUTDOWN.

SUMMARY

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

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973

DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974

DATE COMMERCIAL OPERATE....JULY 5, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. JOHNSON

LICENSING PROJ MANAGER.....R. MARTIN
DOCKET NUMBER.....50-277

LICENSE & DATE ISSUANCE....DPR-44, DECEMBER 14, 1973

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HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

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

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: L. L. MIDDLETON (215) 841-6374

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

NONE

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

11. Reasons for Restrictions, If Any:

NRC ORDER OF 3/31/87.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	119,279.0
13. Hours Reactor Critical	.0	.0	76,366.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	74,059.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	215,278,901
18. Gross Elec Ener (MWH)	0	0	70,61[illegible],432
19. Net Elec Ener (MWH)	-3,656	-26,891	67,675,264
20. Unit Service Factor	.0	.0	62.1
21. Unit Avail Factor	.0	.0	62.1
22. Unit Cap Factor (MDC Net)	.0	.0	54.8
23. Unit Cap Factor (DER Net)	.0	.0	53.3
24. Unit Forced Outage Rate	.0	.6	13.3
25. Forced Outage Hours	.0	.0	11,372.7

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

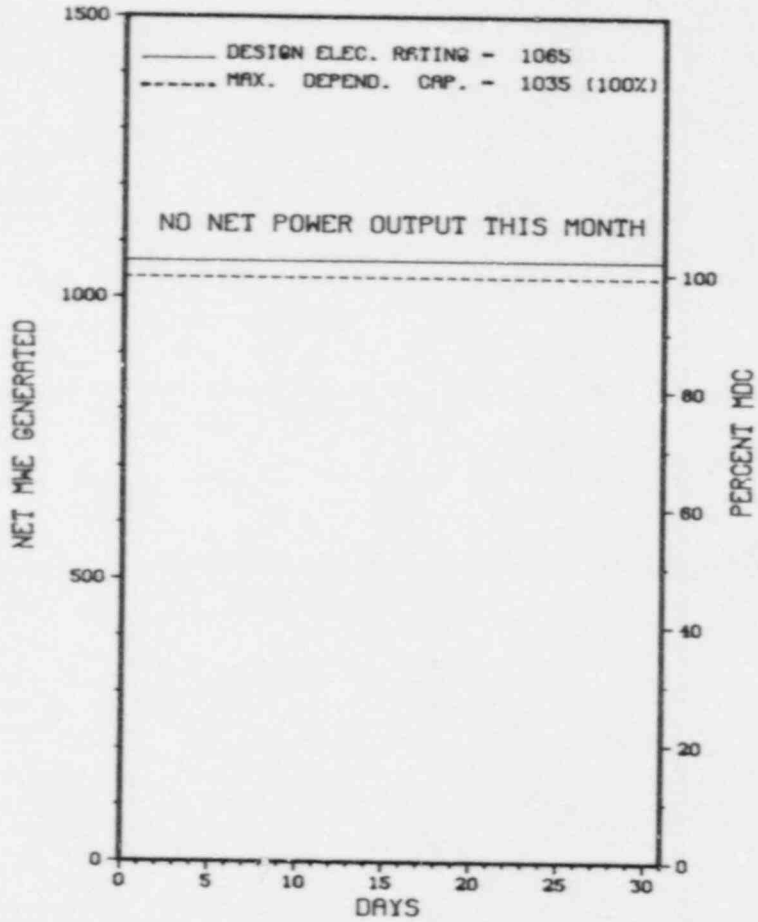
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	03/31/87	S	744.0	C	4		RC	FUELXX	PIPE REPLACEMENT OUTAGE.

SUMMARY

PEACH BOTTOM 3 REMAINED SHUTDOWN DURING JULY UNDER NRC ORDER.
REFUELING AND PIPE REPLACEMENT IN PROGRESS.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 7, 1974

DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974

DATE COMMERCIAL OPERATE....DECEMBER 23, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. JOHNSON

LICENSING PROJ MANAGER.....R. MARTIN
DOCKET NUMBER.....50-278

LICENSE & DATE ISSUANCE....DPR-56, JULY 2, 1974

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HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-440 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: S. A. DUNN (216) 259-3737
4. Licensed Thermal Power (MWt): 3579
5. Nameplate Rating (Gross MWe): 1250
6. Design Electrical Rating (Net MWe): 1205
7. Maximum Dependable Capacity (Gross MWe): 1230
8. Maximum Dependable Capacity (Net MWe): 1205
9. If Changes Occur Above Since Last Report, Give Reasons:
ITEMS 7/8-VALUES REFLECT SEAS. DERATE COND.
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

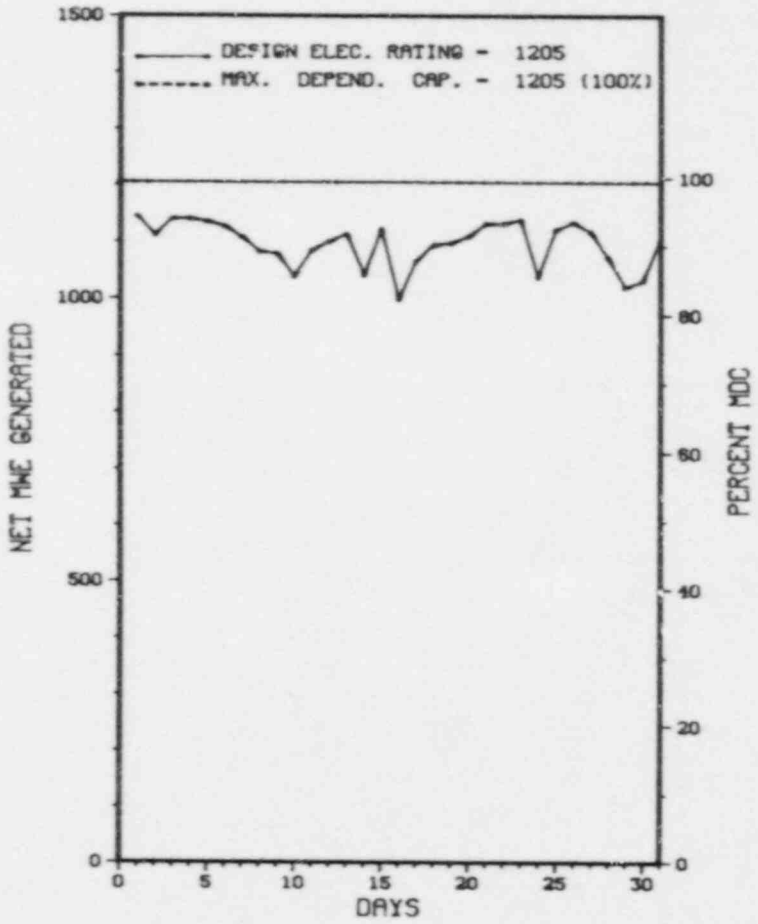
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	6,155.0
13. Hours Reactor Critical	744.0	3,799.7	4,611.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	3,608.2	4,381.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,575,590	11,933,315	14,494,834
18. Gross Elec Ener (MWH)	856,213	4,070,892	4,949,354
19. Net Elec Ener (MWH)	815,015	3,842,947	4,671,431
20. Unit Service Factor	100.0	70.6	71.2
21. Unit Avail Factor	100.0	70.6	71.2
22. Unit Cap Factor (MDC Net)	90.9	62.5	63.0
23. Unit Cap Factor (DER Net)	90.9	62.4	63.0
24. Unit Forced Outage Rate	.0	19.6	20.8
25. Forced Outage Hours	.0	876.9	1,147.5

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MAINTENANCE - OCTOBER 1988- 10 DAY DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* PERRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PERRY 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* PERRY 1 *
****

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

****
* SUMMARY *
****

PERRY 1 OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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.....OHIO

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
PAINESVILLE, OHIO

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 6, 1986

DATE ELEC ENER 1ST GENER...DECEMBER 19, 1986

DATE COMMERCIAL OPERATE....NOVEMBER 18, 1987

CONDENSER COOLING METHOD...CC HNDCT

CONDENSER COOLING WATER....LAKE ERIE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CLEVELAND ELECTRIC ILLUMINATING

CORPORATE ADDRESS.....P.O. BOX 5000
CLEVELAND, OHIO 44101

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....KAISER ENGINEERS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....K. CONNAUGHTON

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-440

LICENSE & DATE ISSUANCE....NPF-58, NOVEMBER 13, 1986

PUBLIC DOCUMENT ROOM.....PERRY PUBLIC LIBRARY
3753 MAIN ST.
PERRY, OH. 44081

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 13-17 (88011): ROUTINE UNANNOUNCED INSPECTION BY A REGIONAL INSPECTOR OF INFORMATION NOTICES. OF THE TEN INFORMATION NOTICES EXAMINED, ALL TEN WERE FOUND TO HAVE BEEN THOROUGHLY REVIEWED. THE LICENSEE'S RELIABILITY AND DESIGN ASSURANCE SECTION (R AND DAS) HAS OVERALL RESPONSIBILITY FOR THE INS. THIS GROUP SELECTS THE SITE GROUPS FROM WHICH TO OBTAIN INFORMATION, REVIEW, OR ANALYSIS. THIS GROUP WAS FOUND TO CONTAIN HIGHLY CAPABLE PERSONS SKILLED IN EITHER PLANT SYSTEMS OR PLANT ADMINISTRATION. TWO MEMBERS OF THE R AND DAS GROUP ASSEMBLE THE COMPLETED PACKAGES FOR REVIEW. AN R AND DAS REVIEW GROUP IS ASSEMBLED FROM PEOPLE WITH VARIOUS PLANT EXPERTISE. THE PACKAGES ARE REVIEWED FOR COMPLETENESS AND TO ADDRESS CONCERNS THAT MAY NOT HAVE BEEN COVERED IN THE REVIEWED PACKAGE. WHEN THE GROUP IS SATISFIED, THE REVIEW PACKAGE IS SIGNED COMPLETE BY EACH GROUP MEMBER. THE ACTIONS TO BE CARRIED OUT ARE FOLLOWED BY VARIOUS LICENSEE TRACKING AND COMMITMENT SYSTEMS. THE INSPECTOR PERFORMED REVIEWS OF THE WORK PERFORMED BY THIS GROUP AND ATTENDED A R AND DAS REVIEW GROUP MEETING. THE INSPECTOR WAS SATISFIED WITH THE THOROUGHNESS OF THE IN PACKAGE REVIEW PROCESS.

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 IN NORMAL OPERATION

LAST IE SITE INSPECTION DATE: 06/17/88

INSPECTION REPORT NO: 88011

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

1. Docket: 50-293 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: P. HAMILTON (617) 746-7900
4. Licensed Thermal Power (MWt): 1998
5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678
6. Design Electrical Rating (Net MWe): 655
7. Maximum Dependable Capacity (Gross MWe): 690
8. Maximum Dependable Capacity (Net MWe): 670
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	137,135.0
13. Hours Reactor Critical	.0	.0	79,778.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	77,216.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	135,480,048
18. Gross Elec Ener (MWH)	0	0	45,444,604
19. Net Elec Ener (MWH)	0	0	43,675,429
20. Unit Service Factor	.0	.0	56.3
21. Unit Avail Factor	.0	.0	56.3
22. Unit Cap Factor (MDC Net)	.0	.0	47.5
23. Unit Cap Factor (DER Net)	.0	.0	48.6
24. Unit Forced Outage Rate	.0	.0	12.4
25. Forced Outage Hours	.0	.0	10,922.7

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

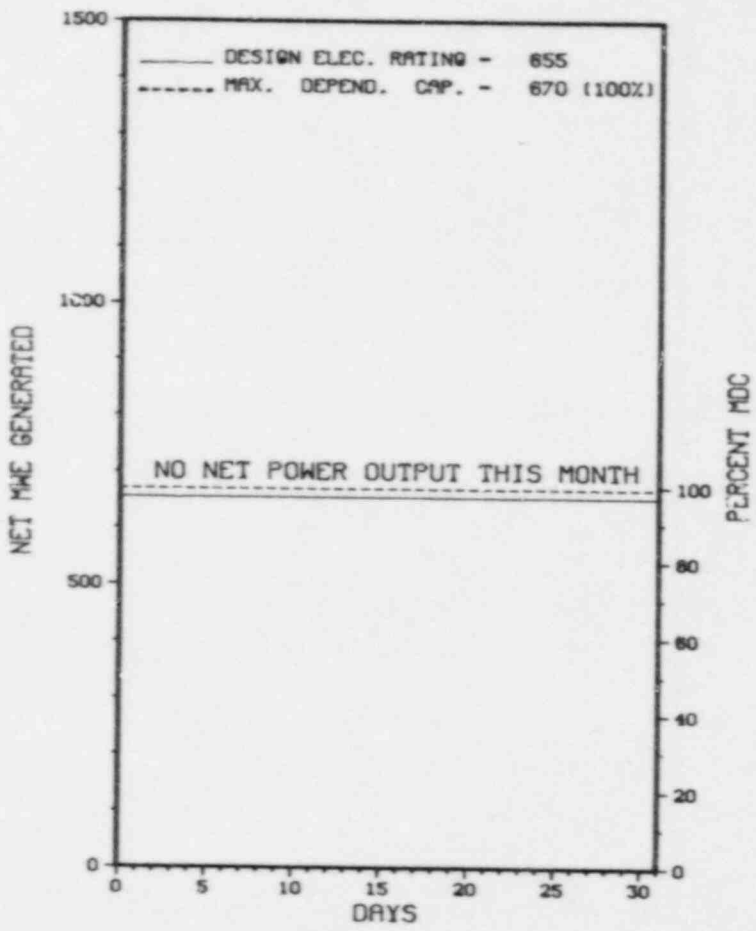
NONE

27. If Currently Shutdown Estimated Startup Date: 08/01/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

PILGRIM 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	07/25/86	S	744.0	C	4				SHUTDOWN FOR RFO 7.

*** SUMMARY ***

PILGRIM 1 REMAINED SHUTDOWN FOR SCHEDULED REFUELING OUTAGE IN JULY.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....PLYMOUTH

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 16, 1972

DATE ELEC ENER 1ST GENER...JULY 19, 1972

DATE COMMERCIAL OPERATE....DECEMBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE COD BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON

CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. WARREN

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-293

LICENSE & DATE ISSUANCE....DPR-35, SEPTEMBER 15, 1972

PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.A AND ANSI N18.7-1972 ON NOVEMBER 24, 1987 SAFETY RELATED RELAY COIL 16AK55 WAS REPLACED WITHOUT PROPER PREPLANNING AND WITHOUT SUFFICIENTLY DETAILED PROCEDURES. AS A RESULT SEVERAL UNANTICIPATED ESE ACTIVITIES OCCURRED. CONTRARY TO TS 6.11 AND STATION RADIATION PROTECTION PROCEDURE 6.1-022 A RADIOACTIVE WASTE WORKER WAS FOUND INSIDE A POSTED HIGH RADIATION AREA WITHOUT THE REQUIRED RWP, REQUIRED ANTICONTAMINATION CLOTHING AND REQUIRED HEALTH PHYSICS COVERAGE.

(8705 4)

CONTRARY TO TS 6.6 AND 10 CFR 50.72 TWO ESF ACTUATIONS OCCURRING ON NOVEMBER 23 AND 24, 1987 WERE NOT REPORTED TO THE NRC WITHIN FOUR HOURS AS REQUIRED.

(8705 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: 50-266 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. H. KRAUSE (414) 221-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	155,471.0
13. Hours Reactor Critical	744.0	4,174.7	126,942.5
14. Rx Reserve Shtdwn Hrs	.0	.0	652.7
15. Hrs Generator On-Line	744.0	4,114.8	124,159.5
16. Unit Reserve Shtdwn Hrs	.0	.6	837.9
17. Gross Therm Ener (MWH)	1,126,686	6,158,324	171,785,378
18. Gross Elec Ener (MWH)	383,220	2,104,070	57,927,420
19. Net Elec Ener (MWH)	366,745	2,011,515	55,179,943
20. Unit Service Factor	100.0	80.5	79.9
21. Unit Avail Factor	100.0	80.5	80.4
22. Unit Cap Factor (MDC Net)	101.6	81.1	72.7*
23. Unit Cap Factor (DER Net)	99.2	79.2	71.4
24. Unit Forced Outage Rate	.0	.0	2.1
25. Forced Outage Hours	.0	.0	2,464.3

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

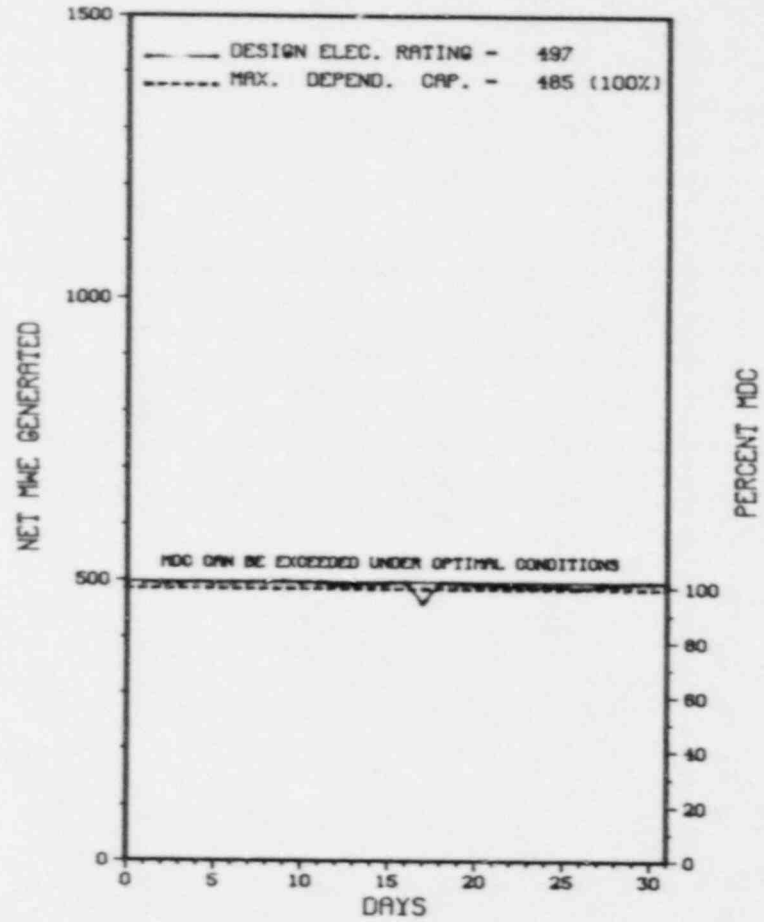
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

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 JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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.....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.....W. SWENSON
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 FROM MAY 1 THROUGH JUNE 30 (88012; 88011): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; TEMPORARY INSTRUCTION FOLLOWUP; IE BULLETIN FOLLOWUP; AND VERIFICATION OF CONTAINMENT INTEGRITY. ALL ACTIVITIES OBSERVED WERE CONDUCTED IN A SATISFACTORY MANNER AND NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALL OTHER INSPECTION RESULTS INDICATED ACCEPTABLE LICENSEE PERFORMANCE.

INSPECTION ON JUNE 6 AND 23 (88015; 88013): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON IE BULLETIN 79-14 (92703). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALTHOUGH PREVIOUS INSPECTIONS IDENTIFIED POTENTIAL WEAKNESSES IN THE ORIGINAL 79-14 PROGRAM, SUBSEQUENT REVIEWS HAVE NOT IDENTIFIED ANY ADDITIONAL DISCREPANCIES. FURTHER WORK WILL BE REQUIRED TO DETERMINE THE EXTENT OF ANY PREVIOUS PROGRAMMATIC PROBLEMS. THE LICENSEE'S REACTION TO THE POTENTIAL WEAKNESSES WAS AGGRESSIVE AND INDICATED A STRONG DESIRE TO IMMEDIATELY ADDRESS AND RESOLVE THIS ISSUE.

INSPECTION ON JUNE 13-17 (88014): ROUTINE, ANNOUNCED SAFETY INSPECTION OF CONTROL ROD TESTING (72700), CORE POWER DISTRIBUTION LIMITS (61702), CALIBRATION OF NUCLEAR INSTRUMENTATION SYSTEMS (61705), CORE THERMAL POWER EVALUATION (61706), MODERATOR TEMPERATURE COEFFICIENT DETERMINATION (61708), ESTIMATED CRITICAL CONDITION (61707), AND CONTROL ROD WORTH MEASUREMENTS (61710). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, REQUIRES IN PART V, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." PROCEDURE PBNP 4.13, EQUIPMENT ISOLATION PROCEDURE, STATES IN SECTION 5.1 THAT, "THE REQUESTING INDIVIDUAL DESIRING TO REMOVE FROM SERVICE OR PERFORM MAINTENANCE ON ANY PLANT SYSTEM OR COMPONENT THAT IS SUBJECT TO THIS PROCEDURE SHALL: SUBMIT A REQUEST FOR EQUIPMENT ISOLATION TO THE DSS (DUTY SHIFT SUPERVISOR) SPECIFYING THE TIME AND DATE OF THE PLANNED WORK ACTIVITY . . . " CONTRARY TO THE ABOVE, ON APRIL 25, 1988, AN INSTRUMENT AND CONTROL SUPERVISOR SUBMITTED A REQUEST FOR EQUIPMENT ISOLATION TO THE DSS WITHOUT SPECIFYING THE TIME AND DATE OF THE PLANNED WORK ACTIVITY. (8800 4)

TECHNICAL SPECIFICATION 15.6.8 STATES THAT THE PLANT WILL BE OPERATED IN ACCORDANCE WITH APPROVED PROCEDURES. HEALTH PHYSICS PROCEDURE NO. HP 3.2, POSTING OF RADIOLOGICAL AREAS, STATES THAT IF LARGE AREAS WITH DOSE RATES GREATER THAN 1000 MREM/HR AT 18" FROM THE SOURCE OF RADIATION HAVE NO ENCLOSURE NOR CAN ONE REASONABLY BE CONSTRUCTED, THEN THAT AREA SHALL BE ROPED OFF, CONSPICUOUSLY POSTED, AND A FLASHING RED LIGHT SHALL BE USED AS A WARNING DEVICE. CONTRARY TO THE ABOVE, ON APRIL 20, 1988, DURING A FUEL ELEMENT TRANSFER WHEN RADIATION FIELDS AT THE UNIT 1 CONTAINMENT WALL ON THE 66 FOOT LEVEL EXCEEDED 1000 MREM/HR, THE FLASHING RED LIGHT INSTALLED AS A WARNING DEVICE WAS NOT IN USE. HEALTH PHYSICAL PROCEDURE NO. HP 3.2, POSTING OF RADIOLOGICAL AREAS, REQUIRES THAT HIGH RADIATION AREAS BE CONSPICUOUSLY POSTED "HIGH RADIATION AREA" AND "RWP REQUIRED", INCLUDING AREAS WHICH HAVE TRANSIENT DOSE RATES WHICH EXCEED 100 MREM/HR. CONTRARY TO THE ABOVE, RADIATION SURVEYS PERFORMED WHILE A FUEL ELEMENT FROM THE UNIT 1 REACTOR WAS IN A STATIONARY POSITION IN THE FUEL TRANSFER TUBE INDICATED TWO LOCATIONS IN THE AUXILIARY BUILDING WHICH HAD TRANSIENT DOSE RATES IN EXCESS OF 100 MREM/HR BUT WHICH WERE NOT POSTED. (8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 06/23/88

INSPECTION REPORT NO: 88015

REPORTS FROM LICENSEE

POINT BEACH 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

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1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 221-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	140,256.0
13. Hours Reactor Critical	744.0	5,091.6	123,486.0
14. Rx Reserve Shtdwn Hrs	.0	1.1	216.1
15. Hrs Generator On-Line	744.0	5,048.2	121,518.3
16. Unit Reserve Shtdwn Hrs	.0	5.0	297.4
17. Gross Therm Ener (MWH)	1,126,029	7,599,973	172,170,568
18. Gross Elec Ener (MWH)	384,060	2,598,870	58,379,090
19. Net Elec Ener (MWH)	366,945	2,484,155	55,628,569
20. Unit Service Factor	100.0	98.8	86.6
21. Unit Avail Factor	100.0	98.9	86.9
22. Unit Cap Factor (MDC Net)	101.7	100.2	81.0*
23. Unit Cap Factor (DER Net)	99.2	97.8	79.8
24. Unit Forced Outage Rate	.0	.5	1.2
25. Forced Outage Hours	.0	23.6	874.8

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

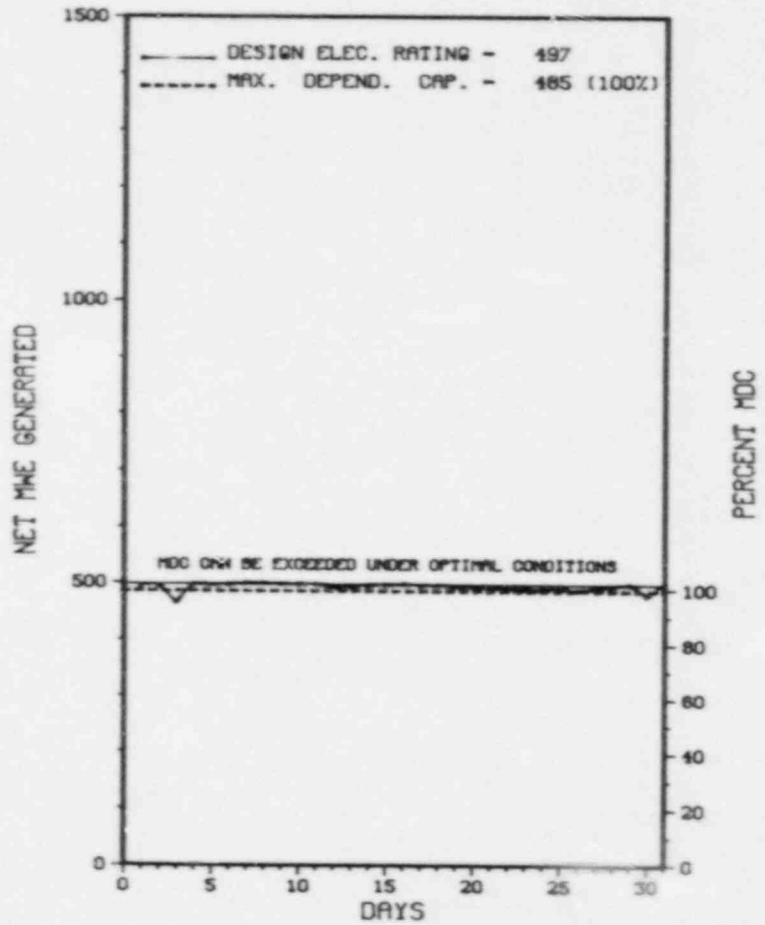
REFUEL/MAINT - OCTOBER 7, 1988 - 6 WEEK DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 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 JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 30, 1972

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

LICENSING PROJ MANAGER.....W. SWENSON
DOCKET NUMBER.....50-301

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

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1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM MAY 1 THROUGH JUNE 30 (88012; 88011): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; PHYSICAL SECURITY; RADIOLOGICAL PROTECTION; TEMPORARY INSTRUCTION FOLLOWUP; IE BULLETIN FOLLOWUP; AND VERIFICATION OF CONTAINMENT INTEGRITY. ALL ACTIVITIES OBSERVED WERE CONDUCTED IN A SATISFACTORY MANNER AND NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALL OTHER INSPECTION RESULTS INDICATED ACCEPTABLE LICENSEE PERFORMANCE.

INSPECTION ON JUNE 6 AND 23 (88015; 88013): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON IE BULLETIN 79-14 (92703). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ALTHOUGH PREVIOUS INSPECTIONS IDENTIFIED POTENTIAL WEAKNESSES IN THE ORIGINAL 79-14 PROGRAM, SUBSEQUENT REVIEWS HAVE NOT IDENTIFIED ANY ADDITIONAL DISCREPANCIES. FURTHER WORK WILL BE REQUIRED TO DETERMINE THE EXTENT OF ANY PREVIOUS PROGRAMMATIC PROBLEMS. THE LICENSEE'S REACTION TO THE POTENTIAL WEAKNESSES WAS AGGRESSIVE AND INDICATED A STRONG DESIRE TO IMMEDIATELY ADDRESS AND RESOLVE THIS ISSUE.

INSPECTION ON JUNE 13-17 (88014): ROUTINE, ANNOUNCED SAFETY INSPECTION OF CONTROL ROD TESTING (72700), CORE POWER DISTRIBUTION LIMITS (61702), CALIBRATION OF NUCLEAR INSTRUMENTATION SYSTEMS (61705), CORE THERMAL POWER EVALUATION (61706), MODERATOR TEMPERATURE COEFFICIENT DETERMINATION (61708), ESTIMATED CRITICAL CONDITION (61707), AND CONTROL ROD WORTH MEASUREMENTS (61710). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.301 STATES THAT "NO LICENSEE SHALL DISPOSE OF LICENSED MATERIAL EXCEPT: (A) BY TRANSFER TO AN AUTHORIZED RECIPIENT AS PROVIDED IN THE REGULATIONS IN PARTS 30, 40, 60, 61, 70, OR 72 OF THIS CHAPTER, WHICHEVER MAY BE APPLICABLE; OR (B) AS AUTHORIZED PURSUANT TO 20.302 OR PART 61 OF THIS CHAPTER; OR (C) AS PROVIDED IN 20.303, APPLICABLE TO THE DISPOSAL OF LICENSED MATERIAL BY RELEASE INTO SANITARY SEWERAGE SYSTEMS, OR IN 20.306 FOR DISPOSAL OF SPECIFIC WASTES, OR IN 20.106 (RADIOACTIVITY IN EFFLUENTS TO UNRESTRICTED AREAS). CONTRARY TO THIS REQUIREMENT, IN DECEMBER 1983, APRIL 1984, DECEMBER 1984, JUNE 1985, APRIL 1986, AND NOVEMBER 1986, THE LICENSEE DISPOSED OF PLANT SLUDGE ONSITE WHICH WAS CONTAMINATED WITH LICENSED MATERIAL WITHOUT MEETING EXCEPTIONS A, B, OR C OF THE REQUIREMENT. SPECIFICALLY, THE LICENSEE DID NOT OBTAIN PRIOR NRC APPROVAL AS PROVIDED FOR BY 10 CFR 20.302.
(8701 4)

10 CFR 50, APPENDIX B, REQUIRES IN PART V, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF ATYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." PROCEDURE PNBP 7.2, "WISCONSIN MICHIGAN TEST PROCEDURES," PART 2.3, WMTP FORMAT, SUBSECTION 2.3.5, "PRECAUTIONS AND LIMITATIONS," STATES: "PERTINENT TECHNICAL SPECIFICATIONS, ADMINISTRATIVE CONTROLS, PRECAUTIONS ON THE EFFECTS A TEST MAY HAVE ON VARIOUS SYSTEMS, AND ANY OTHER PRECAUTIONS WHICH MAY PROMOTE THE SAFE AND EFFICIENT EXECUTION OF A TEST ARE LISTED." CONTRARY TO THE ABOVE, WMTP 11.30 DOES NOT CONTAIN A PRECAUTIONARY NOTE TO ALERT THE OPERATOR THAT STARTING THE REACTOR COOLANT MAKEUP PUMP WOULD OPEN VALVE 1FCV-110C ALIGNING UNIT 1 REACTOR COOLANT LETDOWN TO THE UNIT 2 SERVICE WATER DISCHARGE. THIS RESULTED IN A DISCHARGE OF REACTOR COOLANT TO LAKE MICHIGAN ON 6/19/87. 10 CFR 50 APPEN. B REQ'S IN PARTV "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROC. OR DRAWINGS OFA TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." PROCEDURE TS-1,"EMERGENCY DIESEL GENERATOR 3D BIWEEKLY TEST PROCEDURE," REQUIRES IN STEP 2.4 THAT THE AIR START ISOLATION VALVES BE REOPENED AFTER JACKING THE DIESEL BY HAND. CONTRARY TO THE ABOVE, ON JUNE 24, 1987, WHILE PERFORMING TS-1, AN AUXILIARY OPERATOR FAILED TO REOPEN THE AIR START ISOLATION VALVES. THIS RESULTED IN THE DIESEL GENERATOR NOT STARTING FOR ITS TEST RUN.
(8701 5)

TECHNICAL SPECIFICATION 15.6.8 STATES THAT THE PLANT WILL BE OPERATED IN ACCORDANCE WITH APPROVED PROCEDURES. HEALTH PHYSICS PROCEDURE NO. HP 3.2, POSTING OF RADIOLOGICAL AREAS, STATES THAT IF LARGE AREAS WITH DOSE RATES GREATER THAN 1000 MREM/HR AT 18" FROM THE SOURCE OF RADIATION HAVE NO ENCLOSURE NOR CAN ONE REASONABLY BE CONSTRUCTED, THEN THAT AREA SHALL BE ROPED OFF, CONSPICUOUSLY POSTED, AND A FLASHING RED LIGHT SHALL BE USED AS A WARNING DEVICE. CONTRARY TO THE ABOVE, ON APRIL 20, 1988, DURING A FUEL ELEMENT TRANSFER WHEN RADIATION FIELDS AT THE UNIT 1 CONTAINMENT WALL ON THE 66 FOOT LEVEL EXCEEDED 1000 MREM/HR, THE FLASHING RED LIGHT INSTALLED AS A WARNING DEVICE WAS NOT IN USE. HEALTH PHYSICAL PROCEDURE NO. HP 3.2, POSTING OF RADIOLOGICAL AREAS, REQUIRES THAT HIGH RADIATION AREAS BE CONSPICUOUSLY POSTED "HIGH RADIATION AREA" AND "RWP REQUIRED", INCLUDING AREAS WHICH HAVE TRANSIENT DOSE RATES WHICH EXCEED 100 MREM/HR. CONTRARY TO THE ABOVE, RADIATION SURVEYS PERFORMED WHILE A FUEL ELEMENT FROM THE UNIT 1 REACTOR WAS IN A STATIONARY POSITION IN THE FUEL TRANSFER TUBE INDICATED TWO LOCATIONS IN THE AUXILIARY BUILDING WHICH HAD TRANSIENT DOSE RATES IN EXCESS OF 100 MREM/HR BUT WHICH WERE NOT POSTED.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT POWER.

LAST IE SITE INSPECTION DATE: 07/15/88

INSPECTION REPORT NO: 88015

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

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1. Docket: 50-282 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: DALE DUGSTAD (612) 388-1121
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593
6. Design Electrical Rating (Net MWe): 530
7. Maximum Dependable Capacity (Gross MWe): 534
8. Maximum Dependable Capacity (Net MWe): 503
9. If Changes Occur Above Since Last Report. Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

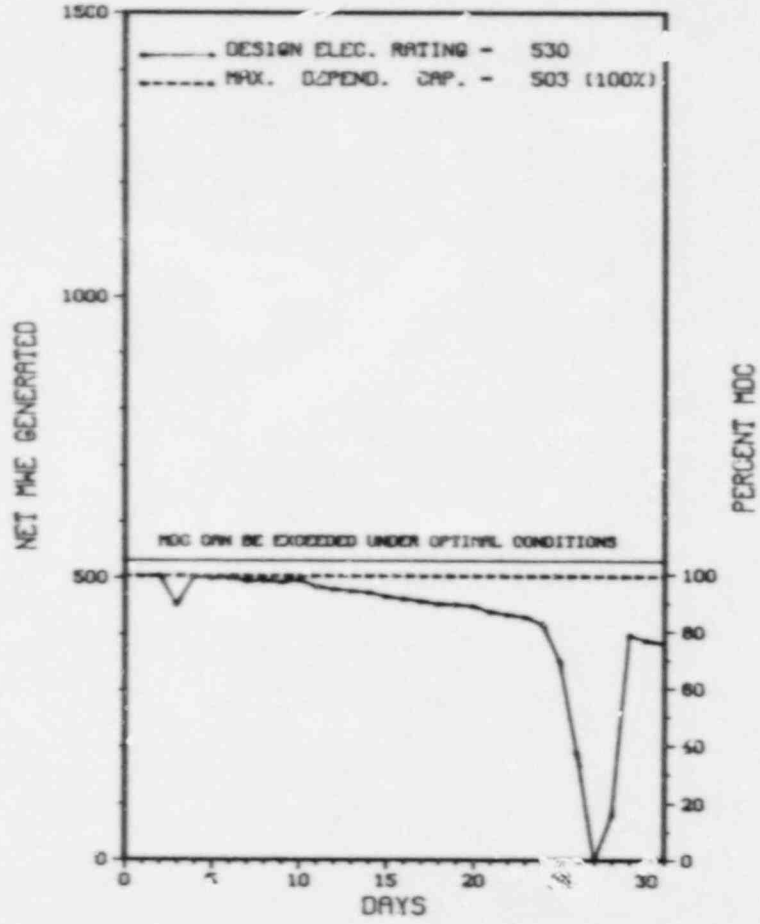
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	128,207.0
13. Hours Reactor Critical	706.5	4,991.9	107,535.1
14. Rx Reserve Shtdwn Hrs	.0	.0	5,571.1
15. Hrs Generator On-Line	704.7	4,986.5	106,094.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,050,810	8,006,521	167,060,445
18. Gross Elec Ener (MWH)	337,910	2,635,720	54,709,730
19. Net Elec Ener (MWH)	314,350	2,482,792	51,320,457
20. Unit Service Factor	94.7	97.6	82.8
21. Unit Avail Factor	94.7	97.6	82.8
22. Unit Cap Factor (MDC Net)	84.0	96.6	79.6
23. Unit Cap Factor (DER Net)	79.7	91.7	75.5
24. Unit Forced Outage Rate	5.3	.8	6.4
25. Forced Outage Hours	39.3	39.3	3,754.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUEL/MAINT - AUGUST 24, 1988
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

PRAIRIE ISLAND 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
880703	07/03/88	S	0.0	B	5				TURBINE VALVES TESTING.
880710	07/10/88	S	0.0	F	5				BEGINNING OF COASTDOWN OPERATION.
880725	07/25/88	S	0.0	B	5				ADD OIL TO REACTOR COOLANT PUMP NO.11.
880726	07/26/88	F	39.3	A	1	RE-1-88-4			GENERIC PROBLEM WITH FLUX TILT CONTROLLERS.

SUMMARY

PRAIRIE ISLAND 1 INCURRED THREE POWER REDUCTIONS AND ONE FORCED OUTAGE IN JULY FOR REASONS STATED 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 1, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973

DATE COMMERCIAL OPERATE....DECEMBER 16, 1973

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

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

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

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 15 THROUGH JUNE 25 (88008; 88008): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, LER FOLLOWUP, SPENT FUEL POOL ACTIVITIES, DESIGN CHANGES AND MODIFICATIONS, LICENSEE INVESTIGATION OF RYERSON STEEL, AND THE NRC CHAIRMAN'S VISIT. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED CONTINUOUSLY AT 100 PERCENT POWER AND IN GENERAL THE PLANT CONTINUES TO OPERATE WELL. AS NOTED IN THIS AND PREVIOUS INSPECTION REPORTS, THERE CONTINUES TO BE A NEED FOR SPECIAL EMPHASIS REGARDING PAYING ATTENTION TO DETAILS. IN ADDITION, ANOTHER UNPLANNED BREAKER ACTUATION OCCURRED AS A RESULT OF ACTIVITIES IN THE SUBSTATION AND REMAINS AN AREA OF CONCERN. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THE COURSE OF THIS INSPECTION.

INSPECTION ON MAY 26 AND JUNE 17 (88009; 88009): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED CONCERNS RELATED TO PIPING OPERABILITY ANALYSES (92701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 6-21 (88010; 88010): SPECIAL ANNOUNCED SAFETY INSPECTION TO VERIFY THAT THE PRAIRIE ISLAND EMERGENCY OPERATING PROCEDURES (EOPS) ARE TECHNICALLY CORRECT; THAT THEIR SPECIFIED ACTIONS CAN BE MEANINGFULLY ACCOMPLISHED USING EXISTING EQUIPMENT, CONTROLS, AND INSTRUMENTATION; AND THAT THE AVAILABLE PROCEDURES HAVE THE USABILITY NECESSARY TO PROVIDE THE OPERATOR WITH AN EFFECTIVE OPERATING TOOL. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH TEMPORARY INSTRUCTION (TI) 2515/92. (SIMS NO. HF 4.1) ONE VIOLATION WAS IDENTIFIED AGAINST 10 CFR 50, APPENDIX B, CRITERION XVIII: FAILURE TO PERFORM PLANNED AND PERIODIC AUDITS OF THE PRAIRIE ISLAND EMERGENCY OPERATING PROCEDURES BETWEEN APRIL 1984 AND APRIL 14, 1988.

INSPECTION SUMMARY

INSPECTION ON JUNE 21-24 (88006; 88006): ROUTINE, ANNOUNCED INSPECTION (IP 82301) OF THE PRAIRIE ISLAND NUCLEAR GENERATING PLANT EMERGENCY PREPAREDNESS EXERCISE, INVOLVING OBSERVATIONS BY THREE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION WAS CONDUCTED BY TWO NRC INSPECTORS AND ONE CONSULTANT. AN UPDATED SUMMARY OF THE STATUS OF ALL EMERGENCY PREPARDNESS RELATED TMI (SIMS) ITEMS IS INCLUDED. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION. THE LICENSEE DEMONSTRATED AN ADEQUATE RESPONSE CAPABILITY TO A SIMULATED ACCIDENT SCENARIO INVOLVING AN OFFSITE RADIOACTIVE RELEASE. TWO OPEN ITEMS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.7.A.1 REQUIRES THAT THE REACTOR SHALL NOT BE MAINTAINED CRITICAL OR ABOVE 200 DEGREES F. UNLESS AT LEAST TWO SEPARATE PATHS FROM THE GRID TO THE PLANT 4KV SAFETY BUSES ARE FULLY OPERATIONAL. TECHNICAL SPECIFICATION 3.7.B REQUIRES THAT THE REACTOR SHALL BE PLACED IN THE COLD SHUTDOWN CONDITION IF THE REQUIREMENTS OF SPECIFICATION 3.7.A CAN NOT BE SATISFIED. CONTRARY TO THE ABOVE, ON APRIL 26, 1988, ONE OF THE TWO PATHS FROM THE GRID TO SAFEGUARDS 4KV BUS NO. 16 WAS NOT FULLY OPERATIONAL FOR 20 MINUTES AND ACTION WAS NOT INITIATED TO PLACE THE REACTOR IN COLD SHUTDOWN.

FAILURE TO PROVIDE ADEQUATE PROTECTED AREA INTRUSIION CAPABILITY IN THAT 8 OF 19 ALARM ZONES FAILED TO DETECT PENATRATIONS.
FAILURE TO PROVIDE ADEQUATE PROTECTED AREA INTRUSIION CAPABILITY IN THAT 8 OF 19 ALARM ZONES FAILED TO DETECT PENATRATIONS.
(8800 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATED CONTINUOUSLY FOR ENTIRE MONTH EXCEPT FOR A 37 HOUR SHUTDOWN (7/27-7/28) TO CORRECT FOXBERO CONTROLLER PROBLEM.

LAST IE SITE INSPECTION DATE: 06/21/88

INSPECTION REPORT NO: 88010

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-04	072688	080488	UNIT SHUTDOWN REQUIRED DUE TO DEGRADED DELTA-T REACTOR TRIP CHANNELS

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1. Docket: 50-306 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	119,325.0
13. Hours Reactor Critical	744.0	4,212.7	104,447.7
14. Rx Reserve Shtdwn Hrs	.0	.0	1,776.1
15. Hrs Generator On-Line	744.0	4,193.2	103,388.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,218,063	6,751,510	162,897,587
18. Gross Elec Ener (MWH)	392,910	2,195,390	53,027,720
19. Net Elec Ener (MWH)	369,410	2,068,129	49,847,552
20. Unit Service Factor	100.0	82.0	86.6
21. Unit Avail Factor	100.0	82.0	86.6
22. Unit Cap Factor (MDC Net)	99.3	80.9	83.5
23. Unit Cap Factor (DER Net)	93.7	76.3	78.8
24. Unit Forced Outage Rate	.0	.0	3.0
25. Forced Outage Hours	.0	1.1	3,360.1

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

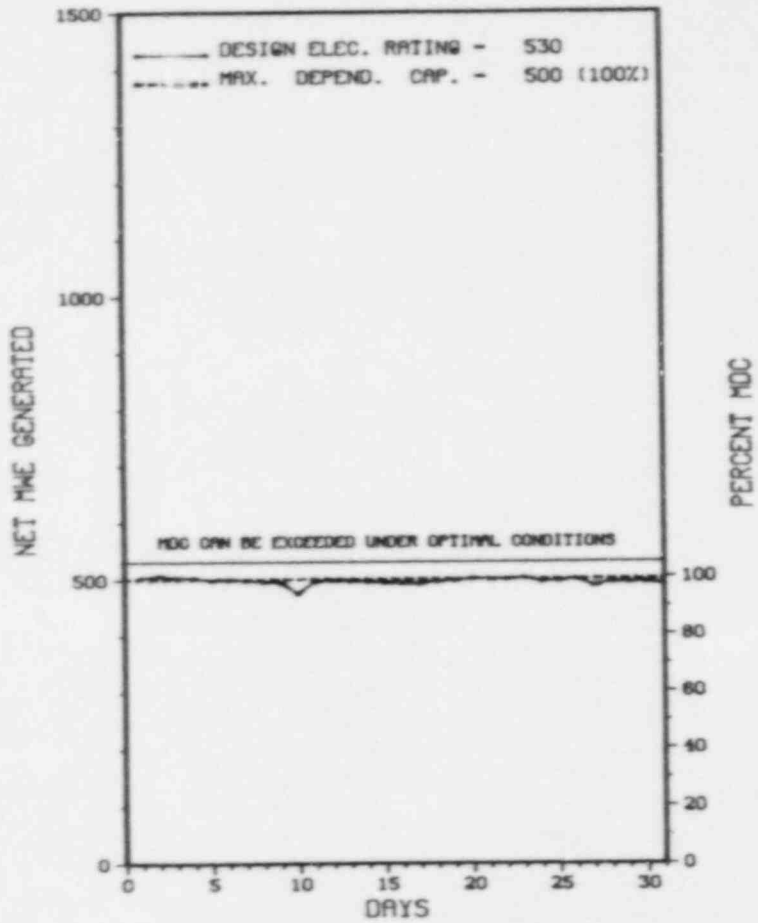
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

PRAIRIE ISLAND 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
880710	07/10/88	S	0.0	B	5				TURBINE VALVES TESTING.
880726	07/26/88	F	0.0	A	5	RE-1-88-4			STARTED REDUCTION PER T.S. 3.5 DUE TO AXIAL FLUX TILT CONTROLLERS.

SUMMARY

PRAIRIE ISLAND 2 INCURRED 2 POWER REDUCTIONS IN JULY FOR REASONS STATED 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)

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 17, 1974

DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974

DATE COMMERCIAL OPERATE....DECEMBER 21, 1974

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HARD

LICENSING PROJ MANAGER.....D. DIIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE....DPR-60, OCTOBER 29, 1974

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MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MAY 15 THROUGH JUNE 25 (88008; 88008): ROUTINE UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS, PLANT OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCES, ESF SYSTEMS, LER FOLLOWUP, SPENT FUEL POOL ACTIVITIES, DESIGN CHANGES AND MODIFICATIONS, LICENSEE INVESTIGATION OF RYERSON STEEL, AND THE NRC CHAIRMAN'S VISIT. DURING THIS INSPECTION PERIOD, BOTH UNITS OPERATED CONTINUOUSLY AT 100 PERCENT POWER AND IN GENERAL THE PLANT CONTINUES TO OPERATE WELL. AS NOTED IN THIS AND PREVIOUS INSPECTION REPORTS, THERE CONTINUES TO BE A NEED FOR SPECIAL EMPHASIS REGARDING PAYING ATTENTION TO DETAILS. IN ADDITION, ANOTHER UNPLANNED BREAKER ACTUATION OCCURRED AS A RESULT OF ACTIVITIES IN THE SUBSTATION AND REMAINS AN AREA OF CONCERN. NO VIOLATIONS OF NRC REQUIREMENTS WERE IDENTIFIED DURING THE COURSE OF THIS INSPECTION.

INSPECTION ON MAY 26 AND JUNE 17 (88009; 88009): SPECIAL SAFETY INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED CONCERNS RELATED TO PIPING OPERABILITY ANALYSES (92701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 6-21 (88010; 88010): SPECIAL ANNOUNCED SAFETY INSPECTION TO VERIFY THAT THE PRAIRIE ISLAND EMERGENCY OPERATING PROCEDURES (EOPS) ARE TECHNICALLY CORRECT; THAT THEIR SPECIFIED ACTIONS CAN BE MEANINGFULLY ACCOMPLISHED USING EXISTING EQUIPMENT, CONTROLS, AND INSTRUMENTATION; AND THAT THE AVAILABLE PROCEDURES HAVE THE USABILITY NECESSARY TO PROVIDE THE OPERATOR WITH AN EFFECTIVE OPERATING TOOL. THE INSPECTION WAS CONDUCTED IN ACCORDANCE WITH TEMPORARY INSTRUCTION (TI) 2515/92. (SIMS NO. HF 4.1) ONE VIOLATION WAS IDENTIFIED AGAINST 10 CFR 50, APPENDIX B, CRITERION XVIII: FAILURE TO PERFORM PLANNED AND PERIODIC AUDITS OF THE PRAIRIE ISLAND EMERGENCY OPERATING PROCEDURES BETWEEN APRIL 1984 AND APRIL 14, 1988.

INSPECTION SUMMARY

INSPECTION ON JUNE 21-24 (88006; 88006): ROUTINE, ANNOUNCED INSPECTION (IP 82301) OF THE PRAIRIE ISLAND NUCLEAR GENERATING PLANT EMERGENCY PREPAREDNESS EXERCISE, INVOLVING OBSERVATIONS BY THREE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION WAS CONDUCTED BY TWO NRC INSPECTORS AND ONE CONSULTANT. AN UPDATED SUMMARY OF THE STATUS OF ALL EMERGENCY PREPAREDNESS RELATED TMI (SIMS) ITEMS IS INCLUDED. NO VIOLATIONS, DEFICIENCIES OR DEVIATIONS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION. THE LICENSEE DEMONSTRATED AN ADEQUATE RESPONSE CAPABILITY TO A SIMULATED ACCIDENT SCENARIO INVOLVING AN OFFSITE RADIOACTIVE RELEASE. TWO OPEN ITEMS WERE IDENTIFIED AS A RESULT OF THIS INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATED CONTINUALLY THROUGHOUT MONTH.

LAST IE SITE INSPECTION DATE: 06/17/88

INSPECTION REPORT NO: 88009

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-254 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X2147

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	142,199.0
13. Hours Reactor Critical	744.0	4,862.2	113,926.6
14. Rx Reserve Shtdwn Hrs	.0	.0	3,421.9
15. Hrs Generator On-Line	744.0	4,608.2	110,065.7
16. Unit Reserve Shtdwn Hrs	.0	.0	909.2
17. Gross Therm Ener (MWH)	1,435,960	10,464,382	233,805,139
18. Gross Elec Ener (MWH)	450,157	3,389,521	75,815,139
19. Net Elec Ener (MWH)	427,044	3,231,321	71,135,391
20. Unit Service Factor	100.0	90.2	77.4
21. Unit Avail Factor	100.0	90.2	78.0
22. Unit Cap Factor (MDC Net)	74.6	82.2	65.1
23. Unit Cap Factor (DER Net)	72.7	80.1	63.4
24. Unit Forced Outage Rate	.0	5.8	5.2
25. Forced Outage Hours	.0	281.5	3,717.9

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

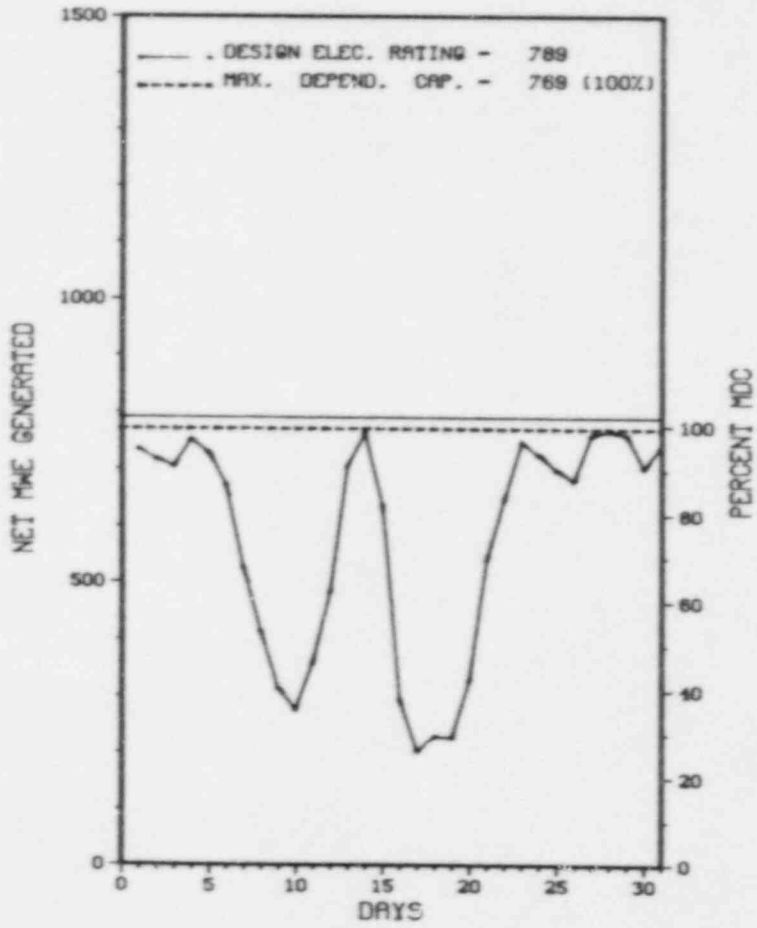
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-13	07/07/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-14	07/08/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-15	07/09/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-16	07/16/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-17	07/17/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.

SUMMARY

QUAD CITIES 1 INCURRED 5 FORCED LOAD REDUCTIONS DURING JULY DUE TO HIGH RIVER TEMPERATURES.

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.....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.....T. ROSS
DOCKET NUMBER.....50-254

LICENSE & DATE ISSUANCE....DPR-29, DECEMBER 14, 1972

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DIXON, ILLINOIS 61021

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 10, APRIL 11-12, 18, 21, 26-29, MAY 10, 17-18, JUNE 1 AND 20 (88012; 88006): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW (73755); OF ACTIONS ON INFORMATION NOTICE NO. 88-03 (90717); OF AN INDEPENDENT MEASUREMENTS INSPECTION (73051, 73052, 73753, 73755, AND 37701); OF ACTIONS ON IE BULLETIN 80-07; OF TEMPORARY INSTRUCTION 2515/96 ACTIVITIES (37828); OF ACTIONS ON A LICENSEE EVENT REPORT (92700) AND OF A MODIFICATION/REPLACEMENT (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 7-15 (88016; 88016): ROUTINE ANNOUNCED INSPECTION BY A REGION-BASED INSPECTOR OF THE CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PROCEDURE, CILRT PERFORMANCE WITNESSING, CILRT RESULTS, LOCAL LEAK RATE TEST RESULTS, ACTION ON PREVIOUS INSPECTION FINDINGS, AND LICENSEE EVENT REPORT FOLLOWUP. NRC INSPECTION MODULES UTILIZED DURING THIS INSPECTION INCLUDED 70307, 70313, 70323, 61720 AND 92701. ONE VIOLATION WAS IDENTIFIED (FAILURE TO ADEQUATELY FOLLOW PROCEDURES).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.2.B. REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED, MADE AVAILABLE TO ALL STATION PERSONNEL, AND ADHERED TO. QUAD CITIES RADIATION PROTECTION PROCEDURE QRP 100 0-1 REQUIRES EACH INDIVIDUAL TO READ, UNDERSTAND AND SIGN THE RWP AND COMPLY WITH ITS REQUIREMENTS IN ALL RESPECTS. CONTRARY TO THE ABOVE, ON OCTOBER 25, 1987 AND MAY 17, 1988, TWO LICENSEE

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

ENFORCEMENT SUMMARY

WORKERS FAILED TO COMPLY WITH RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE WORKING ON UNDERWATER CAMERA EQUIPMENT REMOVED FROM THE FUEL POOL AND REACTOR CAVITY, RESPECTIVELY,IN THAT RWP REQUIRED FULL-FACE MASKS WERE NOT WORN. 1 WORKER HANDLING THE EQUIPMENT WAS EXTERNALLY CONTAMINATED & ANOTHER WAS BOTH EXTERNALLY & INTERNALLY CONTAINED.QUAD CITIES RAD PROTECTION PROC. QRP 1000-1 REQ'S THAT THE RAD/CHEM DEPT BE INFORMED AND/OR CONSULTED BEFORE THE FACT SO THAT A RADIOLOGICAL EVALUATION CAN BE MADE WHEN UNCOVERING CONTAMINATED MATERIALS OR DISASSEMBLING POTENTIALLY CONTAMINATED EQUIPMENT WHERE DOSE RATES OR AIRBORNE RADIOACTIVITY MAY BE EXPECTED TO INCREASE SIGNIFICANTLY. CONTRARY TO THE ABOVE, ON 10-25-87, THE RAD/CHEM DEPARTMENT WAS NOT INFORMED OR C ONSULTED PRIOR TO UNCOVERING (UNBAGGING) CONTAMINATED CAMERA EQUIPMENT AND SUBSEQUENTLY DISASSEMBLING PORTIONS OF IT. TECHNICAL SPECIFICATION 6.2.B. REQUIRES THAT RADIATION CONTROL PROCEDURES BE MAINTAINED, MADE AVAILABLE TO ALL STATION PERSONNEL, AND ADHERED TO. QUAD CITIES RADIATION PROTECTION PROCEDURE QRP 100 0-1 REQUIRES EACH INDIVIDUAL TO READ, UNDERSTAND AND SIGN THE RWP AND COMPLY WITH ITS REQUIREMENTS IN ALL RESPECTS. CONTRARY TO THE ABOVE, ON OCTOBER 25, 1987 AND MAY 17, 1988, TWO LICENSEE WORKERS FAILED TO COMPLY WITH RWP PROTECTIVE CLOTHING REQUIREMENTS WHILE WORKING ON UNDERWATER CAMERA EQUIPMENT REMOVED FROM THE FUEL POOL AND REACTOR CAVITY, RESPECTIVELY,IN THAT RWP REQUIRED FULL-FACE MASKS WERE NOT WORN. 1 WORKER HANDLING THE EQUIPMENT WAS EXTERNALLY CONTAMINATED & ANOTHER WAS BOTH EXTERNALLY & INTERNALLY CONTAINED.QUAD CITIES RAD PROTECTION PROC. QRP 1000-1 REQ'S THAT THE RAD/CHEM DEPT BE INFORMED AND/OR CONSULTED BEFORE THE FACT SO THAT A RADIOLOGICAL EVALUATION CAN BE MADE WHEN UNCOVERING CONTAMINATED MATERIALS OR DISASSEMBLING POTENTIALLY CONTAMINATED EQUIPMENT WHERE DOSE RATES OR AIRBORNE RADIOACTIVITY MAY BE EXPECTED TO INCREASE SIGNIFICANTLY. CONTRARY TO THE ABOVE, ON 10-25-87, THE RAD/CHEM DEPARTMENT WAS NOT INFORMED OR C ONSULTED PRIOR TO UNCOVERING (UNBAGGING) CONTAMINATED CAMERA EQUIPMENT AND SUBSEQUENTLY DISASSEMBLING PORTIONS OF IT. DURING AN NRC INSPECTION CONDUCTED ON MARCH 30 THROUGH MAY 2, 1988, A VIOLATION OF NRC REQUIREMENTS WAS IDENTIFIED. IN ACCORDANCE WITH THE "GENERAL STATEMENT OF POLICY AND PROCEDURE FOR NRC ENFORCEMENT ACTIONS," 10 CFR PART 2, APPENDIX C, THE VIOLATION IS LISTED BELOW: 10 CFR 50.72 (B)(2)(II) STATES, IN PART: "(B) NON-EMERGENCY EVENTS - ....(2) FOUR-HOUR REPORTS. ...THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES, WITHIN FOUR HOURS OF THE OCCURRENCE OF ANY OF THE FOLLOWING: (II) ANY EVENT OR CONDITION THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF)..." CONTRARY TO THE STATED REQUIREMENTS, ON APRIL 11, 1988, AT 2:38 PM, THE CONTROL ROOM ESSENTIAL HEATING, VENTILATION AND AIR CONDITIONING (HVAC) SYSTEM, AN ENGINEERED SAFETY FEATURE, WAS ACTUATED AND WAS NOT REPORTED TO THE NRC WITHIN FOUR HOURS. (8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT OPERATING AT REDUCED POWER DUE TO TEMPERATURE DROUGHT CONDITIONS

LAST IE SITE INSPECTION DATE: 07/21/88

INSPECTION REPORT NO: 88018

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11	062588	071588	REACTOR CORE ISOLATION COOLING SYSTEM DECLARED INOPERBLE DUE TO POOR FLOW CONTROLLER PLUG CONNECTION

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1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: K.A. SCHMIDT (309) 654-2241 X 2147

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	141,309.0
13. Hours Reactor Critical	567.3	3,008.3	107,665.7
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	555.8	2,941.7	104,477.1
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	968,550	6,224,580	223,595,147
18. Gross Elec Ener (MWH)	301,041	2,001,600	71,559,374
19. Net Elec Ener (MWH)	284,596	1,907,322	67,458,753
20. Unit Service Factor	74.7	57.6	73.9
21. Unit Avail Factor	74.7	57.6	74.4
22. Unit Cap Factor (MDC Net)	49.7	48.5	62.1
23. Unit Cap Factor (DER Net)	48.5	47.3	60.5
24. Unit Forced Outage Rate	25.3	10.3	8.3
25. Forced Outage Hours	188.2	338.7	5,621.9

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

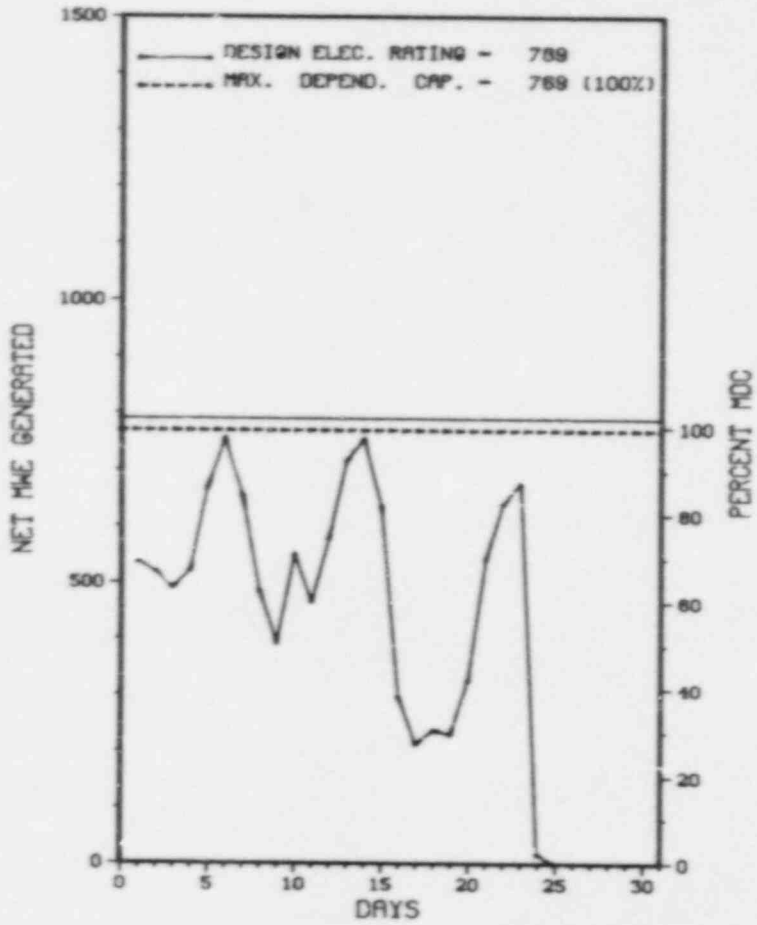
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-7	07/08/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-8	07/09/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-9	07/16/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-10	07/17/88	F	0.0	H	5		ZZ	ZZZZZZ	POWER REDUCTION TAKEN DUE TO HIGH RIVER TEMPERATURES.
88-11	07/24/88	F	188.2	A	2		HA	GENERA	REACTOR MANUALLY SCRAMMED DUE TO MAIN GENERATOR GROUND FAULT.

SUMMARY

QUAD CITIES 2 INCURRED 4 LOAD REDUCTIONS DUE TO HIGH RIVER TEMPERATURES AND ONE FORCED OUTAGE DUE TO MAIN GENERATOR GROUND FAULT DURING JULY.

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

****
* 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.....T. ROSS
DOCKET NUMBER.....50-265

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

PUBLIC DOCUMENT ROOM.....DIXON PUBLIC LIBRARY
221 HENNEPIN AVENUE
DIXON, ILLINOIS 61021

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 10, APRIL 11-12, 18, 21, 26-29, MAY 10, 17-18, JUNE 1 AND 20 (88012; 88006): ROUTINE, UNANNOUNCED INSPECTION OF INSERVICE INSPECTION (ISI) ACTIVITIES INCLUDING REVIEW OF PROGRAMS (73051), PROCEDURES (73052), OBSERVATION OF WORK ACTIVITIES (73753), AND DATA REVIEW (73755); OF ACTIONS ON INFORMATION NOTICE NO. 88-03 (90717); OF AN INDEPENDENT MEASUREMENTS INSPECTION (73051, 73052, 73753, 73755, AND 37701); OF ACTIONS ON IE BULLETIN 80-07; OF TEMPORARY INSTRUCTION 2515/96 ACTIVITIES (37828); OF ACTIONS ON A LICENSEE EVENT REPORT (92700) AND OF A MODIFICATION/REPLACEMENT (37701). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 7-15 (88016; 88016): ROUTINE ANNOUNCED INSPECTION BY A REGION-BASED INSPECTOR OF THE CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT) PROCEDURE, CILRT PERFORMANCE WITNESSING, CILRT RESULTS, LOCAL LEAK RATE TEST RESULTS, ACTION ON PREVIOUS INSPECTION FINDINGS, AND LICENSEE EVENT REPORT FOLLOWUP. NRC INSPECTION MODULES UTILIZED DURING THIS INSPECTION INCLUDED 70307, 70313, 70323, 61720 AND 92701. ONE VIOLATION WAS IDENTIFIED (FAILURE TO ADEQUATELY FOLLOW PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN TO REPAIR MAIN GENERATOR GROUND

LAST IE SITE INSPECTION DATE: 07/21/88

INSPECTION REPORT NO: 88018

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-20	061988	071288	UNIT TWO EMERGENCY CORE COOLING SYSTEM INITIATION SIGNAL RECEIVED DURING IMPROPER VALVING SEQUENCE ON REACTOR WATER LEVEL INSTRUMENTATION
88-21	062688	072288	HIGH PRESSURE CODLANT INJECTION SYSTEM AUTOMATIC ISOLATION DURING PREWARMING DUE TO DESIGN DEFICIENCY
88-23	062288	072188	FAILURE OF MOTOR CONTROL CENTER 28/29-5 MAIN FEED SWAPOVER DUE TO UNLANDED LEAD CAUSED BY INSTALLATION ERROR
88-24	062188	072088	1/2 DIESEL GENERATOR AUTOMATICALLY STARTED DUE TO A FALSE SIGNAL DURING TROUBLESHOOTING ACTIVITIES DUE TO APPARENT MANUFACTURING OR INSTALLATION ERROR

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: R. MILLER (916) 452-3211 X4477

4. Licensed Thermal Power (MWt): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	116,496.0
13. Hours Reactor Critical	744.0	2,717.3	55,282.3
14. Rx Reserve Shtdwn Hrs	.0	.0	10,647.7
15. Hrs Generator On-Line	744.0	2,465.9	52,829.7
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	1,285,029	3,092,474	127,321,009
18. Gross Elec Ener (MWH)	421,612	981,919	42,510,068
19. Net Elec Ener (MWH)	388,877	825,875	39,815,070
20. Unit Service Factor	100.0	48.2	45.3
21. Unit Avail Factor	100.0	48.2	46.4
22. Unit Cap Factor (MDC Net)	59.9	18.5	39.1
23. Unit Cap Factor (DER Net)	56.9	17.6	37.2
24. Unit Forced Outage Rate	.0	46.5	43.8
25. Forced Outage Hours	.0	2,143.0	41,048.5

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

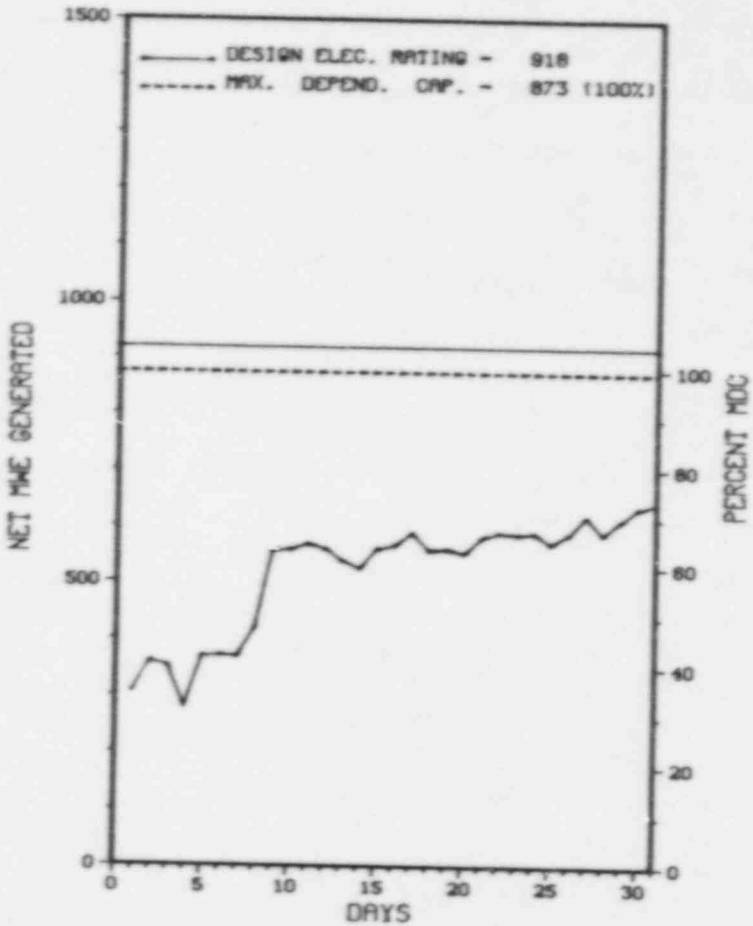
P02 OUTAGE - AUGUST 6, 1988.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

RANCHO SECO OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS WHILE IN THE POWER ASCENSION TEST PROGRAM.

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)

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

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SACRAMENTO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974

DATE ELEC ENER 1ST GENER...OCTOBER 13, 1974

DATE COMMERCIAL OPERATE....APRIL 17, 1975

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....FOLSOM CANAL

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT

CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. DANGELO

LICENSING PROJ MANAGER.....G. KALMAN
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE....DPR-54, AUGUST 16, 1974

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828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON JANUARY 4 - MARCH 10, 1988 (REPORT NO. 50-312/88-02) HEADQUARTERS REPORT; TO BE REPORTED AT A LATER DATE.

+ INSPECTION ON JUNE 1 - JULY 8, 1988 (REPORT NO. 50-312/88-16) AREAS INSPECTED: THIS ROUTINE INSPECTION BY RESIDENT INSPECTORS INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, HEALTH PHYSICS AND SECURITY OBSERVATIONS, ENGINEERED SAFETY FEATURES SYSTEM WALKDOWN, MAINTENANCE, SURVEILLANCE AND TESTING REVIEW OF CORE POWER DISTRIBUTION LIMITS AND REACTOR SHUTDOWN MARGIN DETERMINATIONS, REVIEW OF NUCLEAR INSTRUMENTATION CALIBRATIONS, AND FOLLOW-UP ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. A SIGNIFICANT STRENGTH OBSERVED WAS THE OPERATOR'S RESPONSE TO THE MAIN FEEDWATER BLOCK VALVE CLOSURE. A WEAKNESS WAS OBSERVED IN THAT THE MANNER IN WHICH TROUBLESHOOTING MAINTENANCE WAS TO BE PERFORMED WAS NOT DOCUMENTED IN THE PREPLANNED SECTION OF THE WORK REQUEST.

+ INSPECTION ON JUNE 27 - JULY 6, 1988 (REPORT NO. 50-312/88-18) AREAS INSPECTED: SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AN QUALIFICATIONS PLAN; SECURITY EVENT FOLLOW-UP; FOLLOW-UP ITEMS FROM PREVIOUS SECURITY INSPECTIONS; FOLLOW-UP ON VIOLATIONS AND DEVIATIONS; FOLLOW-UP ON INFORMATION NOTICES 86-106 AND 88-26; AND INDEPENDENT INSPECTION EFFORT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 13 - 17, 1988 (REPORT NO. 50-312/88-19) AREAS INSPECTED: THIS WAS A SPECIAL ENHANCED OPERATIONAL INSPECTION, PHASE II, DURING POWER ASCENSION TESTING, AT THE 40 PERCENT POWER PLATEAU, FOLLOWING AN EXTENDED PERIOD OF PLANT SHUTDOWN. THE INSPECTION WAS CONDUCTED BY REGIONAL AND RESIDENT INSPECTORS FROM REGION V AND REGION III, A REACTOR SYSTEMS ENGINEER FROM NRC HEADQUARTERS, AND A CONSULTANT FROM THE BATTELLE-PACIFIC NORTHWEST LABORATORIES, AND INCLUDED THE AREAS OF PLANT OPERATION AND OPERATIONAL SUPPORT ACTIVITIES. DURING THIS INSPECTION, ONE INSPECTION PROCEDURE WAS UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. STRENGHTS WERE OBSERVED IN THE KNOWLEDGE AND PERFORMANCE OF PLANT OPERATORS; A GENERALLY STRONG DISCIPLINE IN ADHERENCE TO WRITTEN PROCEDURES BY ESSENTIALLY ALL PLANT PERSONNEL; AND THE COORDINATION BETWEEN OPERATIONS, MAINTENANCE, QC, AND TEST PERSONNEL DURING THE CONDUCT OF TROUBLESHOOTING AND "FINE TUNING" OF PLANT CONTROL SYSTEMS. A WEAKNESS WAS OBSERVED IN COMPUTERIZED SCHEDULING OF THE CALIBRATION OF PLANT INSTRUMENTATION.

+ INSPECTION ON JULY 11 - 15, 1988 (REPORT NO. 50-312/88-21) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LICENSEE ACTION ON FASTENER TESTING, PRIMARY COOLANT SYSTEM PRESSURE ISOLATION VALVES, NATURAL CIRCULATION COOLDOWN, REACTOR TRIP BREAKERS VENDOR RECOMMENDED MODIFICATIONS, AND QUALITY ASSURANCE OF EMERGENCY DIESEL GENERATOR FUEL OIL. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ ENFORCEMENT CONFERENCE ON JULY 7, 1988 (REPORT NO. 50-312/88-22) CONFERENCE SUMMARY: AN ENFORCEMENT CONFERENCE WAS HELD ON JULY 7, 1988 AT THE LICENSEE'S FACILITY TO DISCUSS THE IMPLEMENTATION OF THE LICENSEE'S CORRECTIVE ACTIONS TO IMPROVE ITS RADIATION PROTECTION PROGRAM FOLLOWING AN INCIDENT ON FEBRUARY 4, 1988, THAT RESULTED IN AN INDIVIDUAL RECEIVING RADIATION EXPOSURE IN EXCESS OF THE REGULATORY LIMITS FROM A 23.8 UCI COBALT PARTICLE AS DESCRIBED IN NRC INSPECTION REPORT NO. 50-312/88-07. THE NRC FINDINGS AS A RESULT OF THIS INSPECTION (50-312/88-07) AND SUBSEQUENT FOLLOW-UP INSPECTIONS IN MARCH AND JUNE, 1988, REPORT NOS. 50-312/88-08, 17 AND 20, WERE PRESENTED TO THE LICENSEE. THE NRC NOTED THAT THIS INCIDENT APPEARED TO BE AN ISOLATED EXAMPLE OF A VERTICAL FAILURE TO IMPLEMENT BASIC RADIATION PROTECTION PROCEDURES TO CONTROL WORKER EXPOSURES.

+ INSPECTION ON JULY 9 - AUGUST 12, 1988 (REPORT NO. 50-312/88-23) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 19 - 22, 1988 (REPORT NO. 50-312/88-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 18 - 22, 1988 (REPORT NO. 50-312/88-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

PLANT IS PERFORMING VARIOUS TESTING IN CONJUNCTION WITH STEPPED INCREASES TO COMMERCIAL OPERATION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

OTHER ITEMS

MANAGERIAL ITEMS:

PLANT HAD BEEN SHUT DOWN SINCE DECEMBER 26, 1985. NUCLEAR REGULATORY COMMISSION APPROVAL FOR RESTART WAS OBTAINED ON MARCH 22, 1988. STARTUP COMMENCED MARCH 30, 1988.

NRC SALP BOARD MEETING WAS HELD ON AUGUST 12, 1986.

PLANT STATUS:

+ THE PLANT IS CURRENTLY PERFORMING A GRADUAL APPROACH TO FULL POWER TEST PROGRAM. A PLANNED REACTOR TRIP FROM APPROXIMATELY 80 PERCENT POWER WAS PERFORMED ON AUGUST 6, 1988. PLANT IS CURRENTLY IN HOT SHUTDOWN WHILE PERFORMING VARIOUS OUTAGE ITEMS. CURRENT SCHEDULES INDICATE A RETURN TO POWER OPERATION UP TO 80% POWER ON AUGUST 12, 1988.

LAST IE SITE INSPECTION DATE: 07/09 - 08/12/88+

INSPECTION REPORT NO: 50-312/88-23+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-458 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: R. H. MARTIN (504) 635-6094 X4836
4. Licensed Thermal Power (MWt): 2894
5. Nameplate Rating (Gross MWe): 2894
6. Design Electrical Rating (Net MWe): 936
7. Maximum Dependable Capacity (Gross MWe): 936
8. Maximum Dependable Capacity (Net MWe): 936
9. If Changes Occur Above Since Last Report, Give Reasons:

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

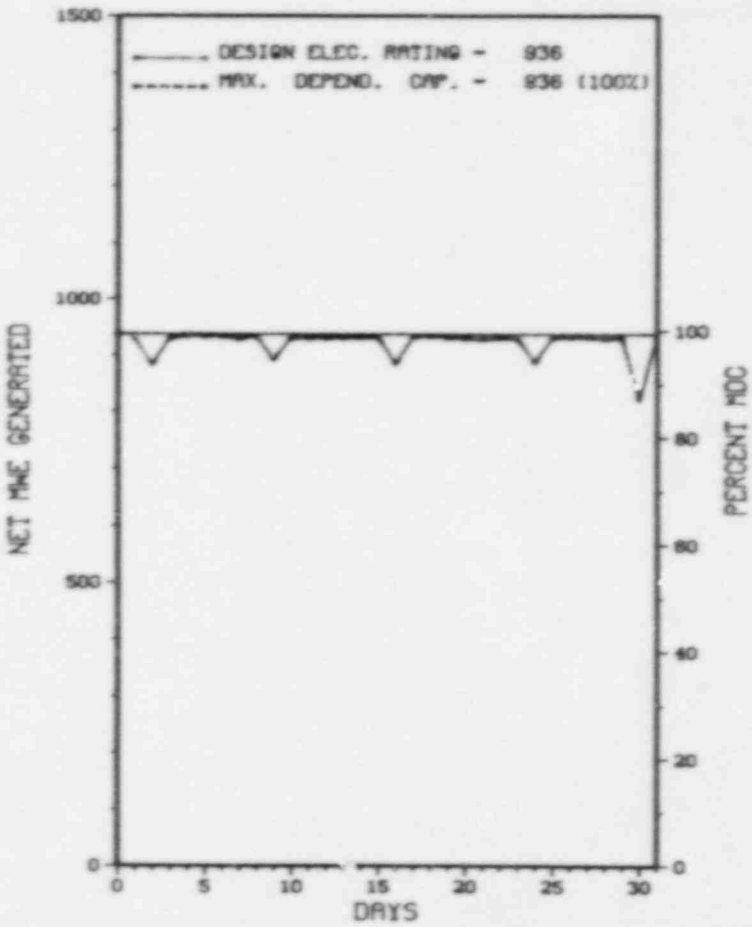
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	23,327.0
13. Hours Reactor Critical	744.0	4,943.7	16,657.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,886.3	15,418.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2 35,906	13,712,198	39,182,082
18. Gross Elec Ener (MWH)	731,773	4,728,672	13,349,546
19. Net Elec Ener (MWH)	684,749	4,432,682	12,457,887
20. Unit Service Factor	100.0	95.6	66.1
21. Unit Avail Factor	100.0	95.6	66.1
22. Unit Cap Factor (MDC Net)	98.3	92.7	57.1
23. Unit Cap Factor (DER Net)	98.3	92.7	57.1
24. Unit Forced Outage Rate	.0	3.8	11.4
25. Forced Outage Hours	.0	193.5	1,991.0

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

****
* RIVER BEND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RIVER BEND 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* RIVER BEND 1 *
****

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

****
* SUMMARY *
****

RIVER BEND OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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)

****
* RIVER BEND 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA

COUNTY.....WEST FELICIANA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...24 MI NNW OF
BATON ROUGE, LA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 31, 1985

DATE ELEC ENER 1ST GENER...DECEMBER 3, 1985

DATE COMMERCIAL OPERATE....JUNE 16, 1986

CONDENSER COOLING METHOD...MDCT

CONDENSER COOLING WATER....MISSISSIPPI RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GULF STATES UTILITIES

CORPORATE ADDRESS.....P.O. BOX 2951
BEAUMONT, LOUISIANA 77704

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. CHAMBERLAIN

LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-458

LICENSE & DATE ISSUANCE....NPF-47, NOVEMBER 20, 1985

PUBLIC DOCUMENT ROOM.....GOVERNMENT DOCUMENTS DEPARTMENT
TROY H. MIDDLETON LIBRARY
LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA 70803

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 1 - JUNE 30, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, NRC BULLETIN 88-01, NRC BULLETIN 88-07, NRC INFORMATION NOTICES, SURVEILLANCE TEST OBSERVATION, MAINTENANCE OBSERVATION, SAFETY SYSTEM WALK-DOWN, OPERATIONAL SAFETY VERIFICATION AND LICENSEE PLANS FOR COPING WITH STRIKES. WITHIN THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION CONDUCTED JUNE 13-17, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION OF FIRE PROTECTION/PREVENTION PROGRAM AND IMPLEMENTATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER LEVEL

LAST IE SITE INSPECTION DATE: JUNE 30, 1988

INSPECTION REPORT NO: 50-458/88-13

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-013	06-23-88	07-22-88	FAILURE TO INITIATE ANNULUS MIXING SYSTEM AND STANDBY GAS TREATMENT SYSTEM DUE TO MISINTERPRETATION OF TECHNICAL SPECIFICATION REQUIRED ACTION

OPERATING STATUS

1. Docket: 50-261
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: V.E. FRAZIER (803) 383-4524 X 1220
4. Licensed Thermal Power (MWt): 2300
5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769
6. Design Electrical Rating (Net MWe): 700
7. Maximum Dependable Capacity (Gross MWe): 700
8. Maximum Dependable Capacity (Net MWe): 665
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	152,621.0
13. Hours Reactor Critical	744.0	3,948.7	109,477.9
14. Rx Reserve Shtdwn Hrs	.0	.0	3,159.6
15. Hrs Generator On-Line	744.0	3,891.7	106,916.0
16. Unit Reserve Shtdwn Hrs	.0	.0	23.2
17. Gross Therm Ener (MWH)	1,698,101	6,725,059	214,877,620
18. Gross Elec Ener (MWH)	541,151	2,148,026	69,531,363
19. Net Elec Ener (MWH)	515,097	2,019,119	65,697,048
20. Unit Service Factor	100.0	76.1	70.1
21. Unit Avail Factor	100.0	76.1	70.1
22. Unit Cap Factor (MDC Net)	104.1	59.4	64.7
23. Unit Cap Factor (DER Net)	98.9	56.4	61.5
24. Unit Forced Outage Rate	.0	23.7	13.8
25. Forced Outage Hours	.0	1,209.3	11,412.0

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

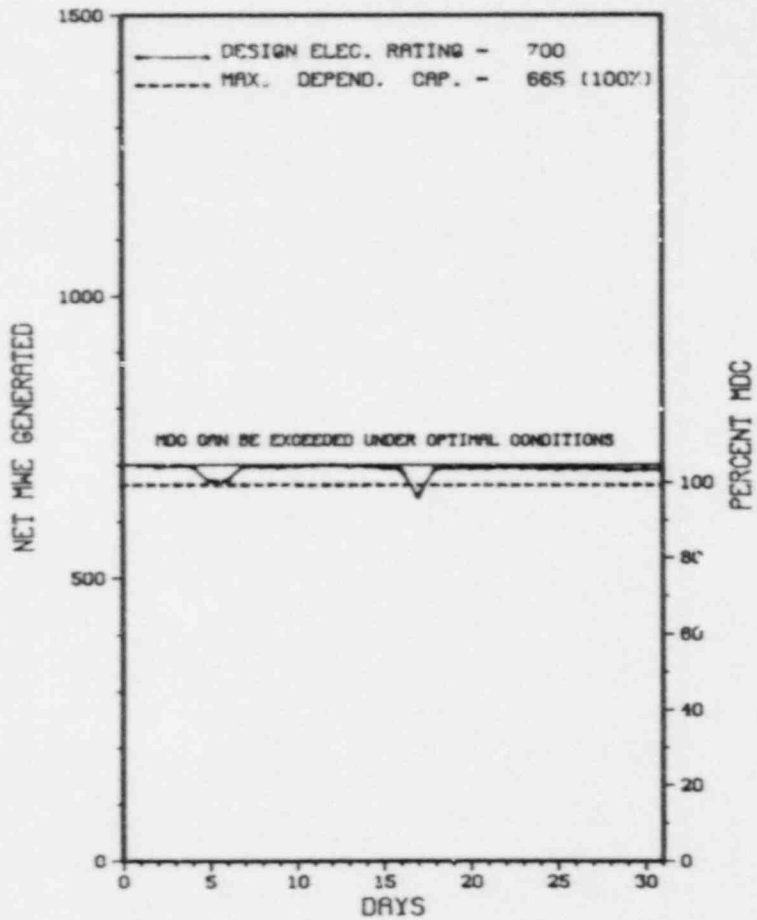
REFUEL/MAINT - NOV.12, 1988, 49 DAY DURATION.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

ROBINSON 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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 JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....DARLINGTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970

DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970

DATE COMMERCIAL OPERATE....MARCH 7, 1971

CONDENSER COOLING METHOD...RECIRCULATION

CONDENSER COOLING WATER....ROBINSON IMPOUNDMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....P. KRUG

LICENSING PROJ MANAGER.....R. LO
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 JUNE 6-10 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF VERIFICATION OF COMPLIANCE WITH ORDER MODIFICATION OF LICENSEE: PRIMARY COOLANT SYSTEM PRESSURE ISOLATION (EVENT V) VALVES (TI-2515/84) INSERVICE TESTING (IST) OF PUMPS AND VALVES (73756) AND SERVICE WATER PIPING DEGRADATION (92706B). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THERE APPEARS TO BE A WEAKNESS IN THE AREAS OF MANAGEMENT INVOLVEMENT IN ASSURING QUALITY AND RESOLUTION OF TECHNICAL ISSUES FROM A SAFETY STANDPOINT, IN THAT THE LICENSEE FAILED TO FORMALLY DOCUMENT THE ENGINEERING EVALUATION OF THE JUSTIFICATION FOR CONTINUED OPERATION AFTER THE IDENTIFICATION OF POSSIBLE COMPROMISE OF CONTAINMENT AND AN EXTREME RELUCTANCE TO COMMIT TO PLANNED AND SCHEDULED PIPE REPLACEMENT TO PERMANENTLY CORRECT THE PROBLEM. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING THE ADEQUACY OF FORWARD FLOW TESTING OF CHECK VALVES.

INSPECTION JUNE 13-17 (88-14): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF HYDROSTATIC TESTING - REVIEW OF PROGRAM AND REVIEW OF COMPLETED TEST PROCEDURES AND EVALUATIONS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED.

INSPECTION JUNE 13-17 (88-15): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; ALARM STATIONS; AND PERSONNEL TRAINING AND QUALIFICATION - GENERAL REQUIREMENTS IN THE AREAS INSPECTED, VIOLATIONS WERE NOT IDENTIFIED.

INSPECTION SUMMARY

INSPECTION JUNE 10 - JULY 10 (88-16): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, PHYSICAL PROTECTION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, ESF SYSTEM WALKDOWN, ONSITE FOLLOWUP OF EVENTS AT OPERATING POWER REACTORS AND ONSITE REVIEW COMMITTEE. A SECOND EXAMPLE OF THE VIOLATION ISSUED IN INSPECTION REPORT 261/88-07 WAS IDENTIFIED.

INSPECTION JUNE 27 - JULY 1 (88-17): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF HYDROSTATIC TESTING - REVIEW OF PROGRAM, REVIEW OF PROCEDURES AND COMPLETED RECORDS. IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. PROGRAMMATIC STRENGTHS WERE DEMONSTRATED RELATIVE TO RESOLUTION OF TECHNICAL ISSUES. HOWEVER, A POTENTIAL FOR WEAKNESS RELATIVE TO MANAGEMENT INVOLVEMENT AND RESPONSIVENESS TO NRC INITIATIVES IS INDICATED BY NEW INSPECTOR FOLLOWUP ITEM (IFI) 261/88-17-01, ENHANCEMENT OF PROGRAMMATIC PROCEDURES FOR HYDROSTATIC TESTING.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, ACTIVITIES AFFECTING QUALITY WERE NOT ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS APPROPRIATE TO THE CIRCUMSTANCE IN THAT WORK REQUEST (W/R) 87-AMMY1 DID NOT INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA, RESULTING IN, AFTER COMPLETION OF W/R 87-AMMY1, SPRING HANGER 339 BEING FOUND WITH ONLY 3 ANCHOR BOLTS INSTALLED IN ITS ANCHOR PLATE.
(8800 4)

CONTRARY TO TS 6.5.1.1.1.E, EMERGENCY PLAN IMPLEMENTING PROCEDURE PEP-101 WAS NOT PROPERLY IMPLEMENTED IN THAT ON APRIL 30, 1988, THE RCS LEAK RATE EXCEEDED 10 GPM AT 12:10 P.M.; BUT AN UNUSUAL EVENT WAS NOT DECLARED UNTIL 6:10 P.M.
(8800 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ FULL POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-261/88-19

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-272 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN H. GORMAN (609) 339-3400

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	97,200.0
13. Hours Reactor Critical	744.0	3,432.3	61,127.4
14. Rx Reserve Shtdwn Hrs	.0	.0	3,088.4
15. Hrs Generator On-Line	744.0	3,349.2	59,140.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,541,662	11,292,842	183,764,055
18. Gross Elec Ener (MWH)	839,880	3,778,840	60,971,128
19. Net Elec Ener (MWH)	805,491	3,601,183	57,997,892
20. Unit Service Factor	100.0	65.5	60.8
21. Unit Avail Factor	100.0	65.5	60.8
22. Unit Cap Factor (MDC Net)	97.9	63.7	53.9
23. Unit Cap Factor (DER Net)	97.1	63.2	53.5
24. Unit Forced Outage Rate	.0	1.1	24.5
25. Forced Outage Hours	.0	38.2	19,498.0

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

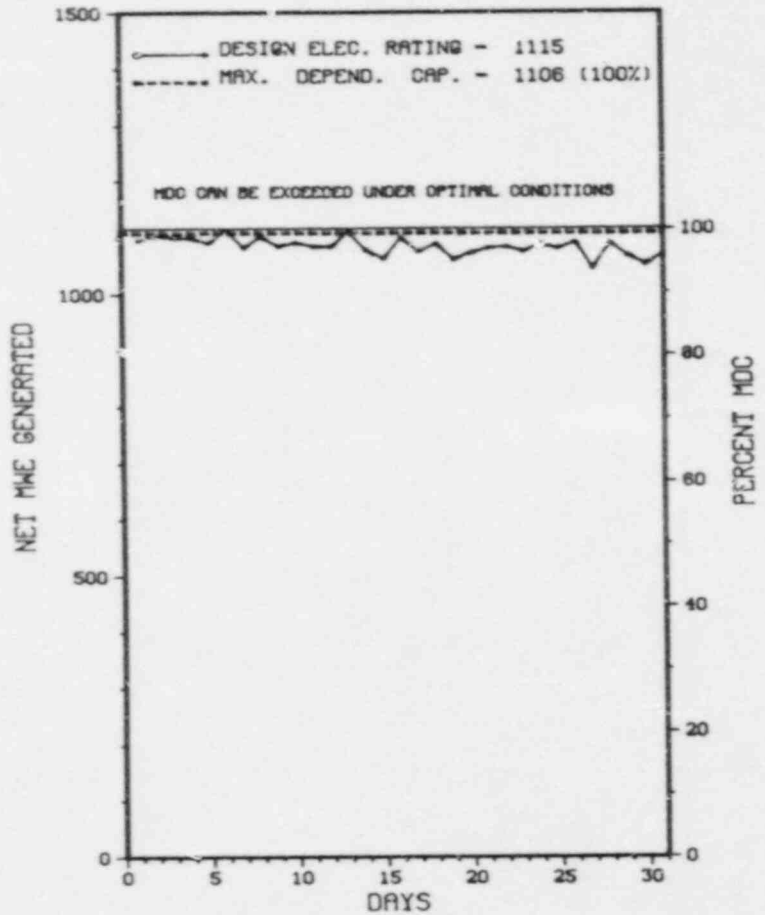
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SALEM 1

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

SUMMARY

SALEM 1 OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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 *
****

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

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM NEAREST POPULATION CTR...20 MI S OF WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE....JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....DELAWARE RIVER
ELECTRIC RELIABILITY COUNCIL.....MID-ATLANTIC AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE....DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: BRYAN W. GORMAN (609) 339-3400

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	59,616.0
13. Hours Reactor Critical	718.0	4,962.7	37,340.8
14. Rx Reserve Shtdwn Hrs	.0	.0	3,533.6
15. Hrs Generator On-Line	714.2	4,913.2	36,210.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,388,288	16,452,295	113,218,024
18. Gross Elec Ener (MWH)	775,310	5,454,620	37,084,090
19. Net Elec Ener (MWH)	741,649	5,229,114	35,248,582
20. Unit Service Factor	96.0	96.1	60.7
21. Unit Avail Factor	96.0	96.1	60.7
22. Unit Cap Factor (MDC Net)	90.1	92.5	53.5
23. Unit Cap Factor (DER Net)	89.4	91.8	53.0
24. Unit Forced Outage Rate	4.0	3.9	30.3
25. Forced Outage Hours	29.8	197.8	15,715.7

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

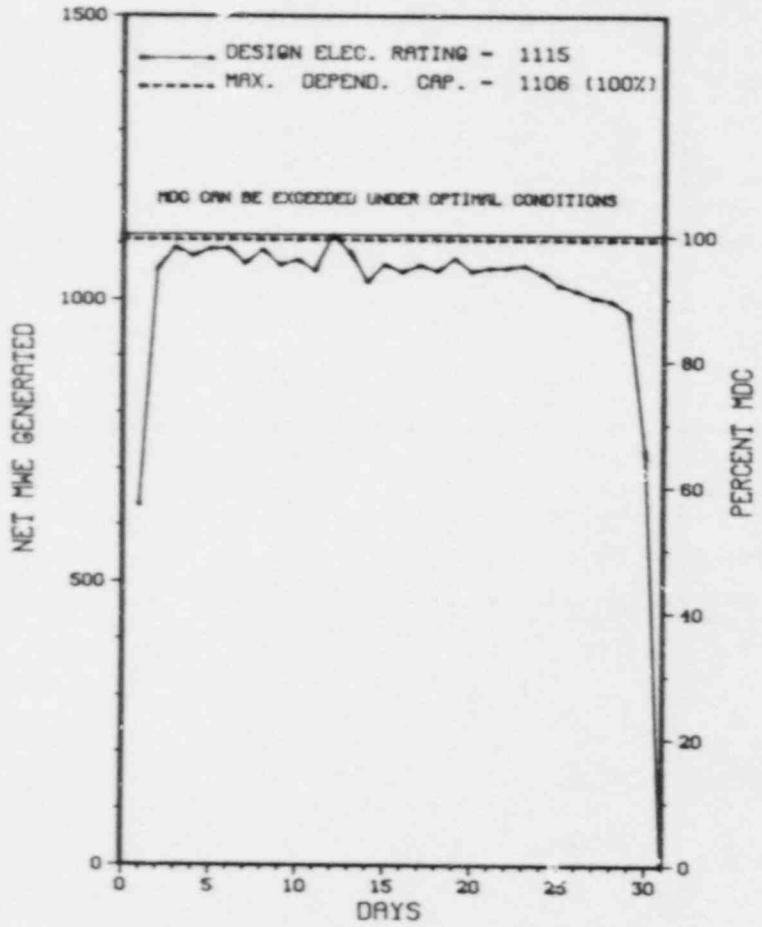
REFUELING - 9/2/88 - 52 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 08/01/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Correct[illegible] Action to Prevent Recurrence
0150	07/21/88	F	0.0	A	5		XX	FUELXX	NUCLEAR FUEL LIMITS N[illegible] FLUX.
0174	07/30/88	F	29.8	A	3		EB	TRANSF	"C" VITAL INSTRUMENT BUS.

****
* SUMMARY *
****

SALEM 2 INCURRED ONE FORCED LOAD REDUCTION AND ONE FORCED OUTAGE DURING JULY AS DISCUSSED ABOVE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1980

DATE ELEC ENER 1ST GENER...JUNE 3, 1981

DATE COMMERCIAL OPERATE....OCTOBER 13, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. LINVILLE

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE....DPR-75, MAY 20, 1981

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-206 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 390

11. Reasons for Restrictions, If Any:

SELF-IMPOSED TO CONTROL S.G. TUBE CORROSION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	185,215.0
13. Hours Reactor Critical	.0	1,068.7	107,540.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,063.1	103,493.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	1,304,993	130,434,853
18. Gross Elec Ener (MWH)	0	430,200	44,107,926
19. Net Elec Ener (MWH)	-2,952	395,731	41,638,996
20. Unit Service Factor	.0	20.8	55.9
21. Unit Avail Factor	.0	20.8	55.9
22. Unit Cap Factor (MDC Net)	.0	17.8	51.5
23. Unit Cap Factor (DER Net)	.0	17.8	51.5
24. Unit Forced Outage Rate	.0	.0	19.9
25. Forced Outage Hours	.0	.0	13,140.4

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

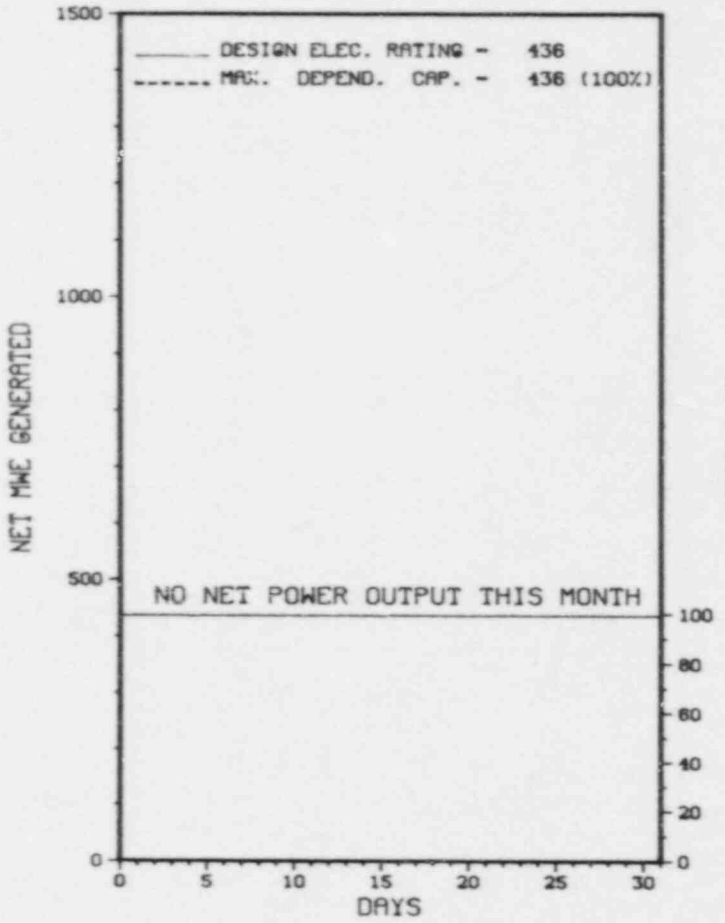
NONE

27. If Currently Shutdown Estimated Startup Date: 08/05/88

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
118	03/28/88	S	744.0	H	4	88-001	BA	ISV	MID-CYCLE MAINTENANCE OUTAGE EXTENDED TO UPGRADE CERTAIN COMPONENTS IN ORDER TO MEET 10CFR 50.49 REQUIREMENTS.

*** SUMMARY ***

SAN ONOFRE 1 REMAINED SHUTDOWN DURING JULY DUE TO EXTENSION OF MID-CYCLE MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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.....R. HUEY

LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-206

LICENSE & DATE ISSUANCE....DPR-13, MARCH 27, 1967

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
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IRVINE, CA. 92713

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 22 - JUNE 18, 1988 (REPORT NO. 50-206/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-206/88-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 3 - AUGUST 13, 1988 (REPORT NO. 50-206/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE LICENSEE EXPECTS TO RETURN THE UNIT TO SERVICE IN EARLY AUGUST.

LAST IE SITE INSPECTION DATE: 07/13 - 08/13/88+

INSPECTION REPORT NO: 50-206/88-19+

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
88-08-LO	05-24-88	06-23-88	INADVERTENT OMISSION OF SAFETY INJECTION VENT VALVES FROM LLRT PROGRAM
88-09-LO	05-26-88	06-27-88	POTENTIAL DIESEL-GENERATOR LOADS IN EXCESS OF TECH SPEC REQUIREMENTS

1. Docket: 50-361 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: E. R. SIACOR (714) 368-6223
4. Licensed Thermal Power (MWt): 3390
5. Nameplate Rating (Gross MWe): 1127
6. Design Electrical Rating (Net MWe): 1070
7. Maximum Dependable Capacity (Gross MWe): 1127
8. Maximum Dependable Capacity (Net MWe): 1070
9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	43,680.0
13. Hours Reactor Critical	744.0	4,661.6	30,454.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,624.0	29,809.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,466,288	15,394,954	96,361,377
18. Gross Elec Ener (MWH)	836,245	5,286,890	32,549,464
19. Net Elec Ener (MWH)	798,268	5,034,293	30,823,173
20. Unit Service Factor	100.0	90.5	68.2
21. Unit Avail Factor	100.0	90.5	68.2
22. Unit Cap Factor (MDC Net)	100.3	92.1	65.9
23. Unit Cap Factor (DER Net)	100.3	92.1	65.9
24. Unit Forced Outage Rate	.0	.0	3.8
25. Forced Outage Hours	.0	.0	1,183.5

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

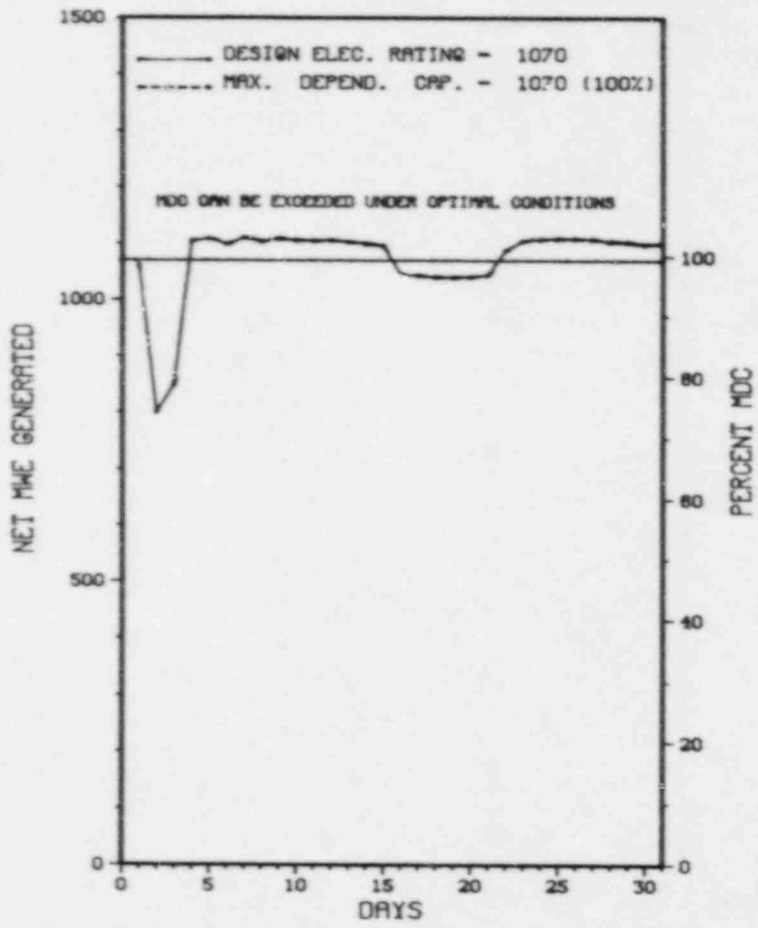
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

SAN ONOFRE 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* SAN ONOFRE 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
43	07/02/88	S	0.0	B	5				POWER REDUCTION OF 20% OR GREATER TO PERFORM HEAT TREATING OF THE INTAKE STRUCTURE.

****
* SUMMARY *
****

SAN ONOFRE 2 INCURRED ONE POWER REDUCTION IN JULY FOR REASON STATED 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 (LER) File (NUREG-0161)
			9-Other	

****
* SAN ONOFRE 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 26, 1982

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982

DATE COMMERCIAL OPERATE....AUGUST 8, 1983

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. HUEY

LICENSING PROJ MANAGER....D. HICKMAN
DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE....NPF-10, SEPTEMBER 7, 1982

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IRVINE, CA. 92713

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-361/88-10) AREAS INSPECTED: THIS SPECIAL, ANNOUNCED TEAM SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) INVOLVED THE AREAS OF ENGINEERING, MAINTENANCE, SURVEILLANCE TESTING, OPERATIONS, HEALTH PHYSICS, QUALITY ASSURANCE AND ADMINISTRATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, FOUR VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. THE TEAM CONCLUDED THAT THE LICENSEE DOES NOT FULLY UNDERSTAND THE DESIGN OF THE SYSTEMS REVIEWED; THAT THE LICENSEE DOES NOT HAVE READY ACCESS TO ACCURATE DESIGN INFORMATION; AND THAT TECHNICAL WORK IS NOT ALWAYS PERFORMED IN A COMPLETE, TECHNICALLY CORRECT MANNER. DEFICIENCIES WERE ALSO IDENTIFIED WITH TESTING, MAINTENANCE, AND OPERATION ASPECTS OF THE SYSTEMS REVIEWED.

+ INSPECTION ON JUNE 5 - 12, 1988 (REPORT NO. 50-361/88-13) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 22 - JULY 2, 1988 (REPORT NO. 50-361/88-15) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-361/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-361/88-18) AREAS INSPECTED: A SPECIAL, ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS OF THE POST-ACCIDENT MONITORING SYSTEM AT THE SAN ONOFRE NUCLEAR GENERATING STATION (SONGS), UNIT 2. THIS INSPECTION ASSESSED THE CONFORMANCE OF THE SONGS WITH REGULATORY GUIDE 1.97, REVISION 2. THIS INSPECTION ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM ITEM NUMBER 67.3.3. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

INSPECTION SUMMARY

RESULTS: ONE VIOLATION WAS IDENTIFIED DEALING WITH THE SEPARATION OF ELECTRICAL CABLES IN A CONTROL ROOM CABINET.

+ INSPECTION ON JULY 3 - AUGUST 13, 1988 (REPORT NO. 50-361/88-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ UNIT 2 CONTINUED FULL POWER OPERATION DURING JULY.

LAST IE SITE INSPECTION DATE: 07/03 - 08/13/88+

INSPECTION REPORT NO: 50-361/88-19+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-09-LO	04-28-88	05-27-88	SPURIOUS TRAIN 'B' TOXIC GAS ISOLATION SYSTEM ACTUATION ON HIGH CHLORINE LEVEL
88-10-LO	05-06-88	06-06-88	INOPERABILITY OF BOTH EMERGENCY CHILLED WATER SYSTEM TRAINS DUE TO LOW FREON LEVEL
88-11-LO	05-12-88	06-13-88	FUEL HANDLING ISOLATION SYSTEM TRAIN 'A' ACTUATION DUE TO FAILURE RAD MONITOR POWER SUPPLY

1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: E. R. SIACOR (714) 368-6223

4. Licensed Thermal Power (MWt): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	37,991.0
13. Hours Reactor Critical	.0	2,632.3	26,354.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	2,580.8	25,454.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	8,593,478	78,049,239
18. Gross Elec Ener (MWH)	0	2,952,875	26,430,769
19. Net Elec Ener (MWH)	-6,209	2,782,338	24,870,004
20. Unit Service Factor	.0	50.5	67.0
21. Unit Avail Factor	.0	50.5	67.0
22. Unit Cap Factor (MDC Net)	.0	50.4	60.6
23. Unit Cap Factor (DER Net)	.0	50.4	60.6
24. Unit Forced Outage Rate	.0	10.4	9.6
25. Forced Outage Hours	.0	299.8	2,708.6

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

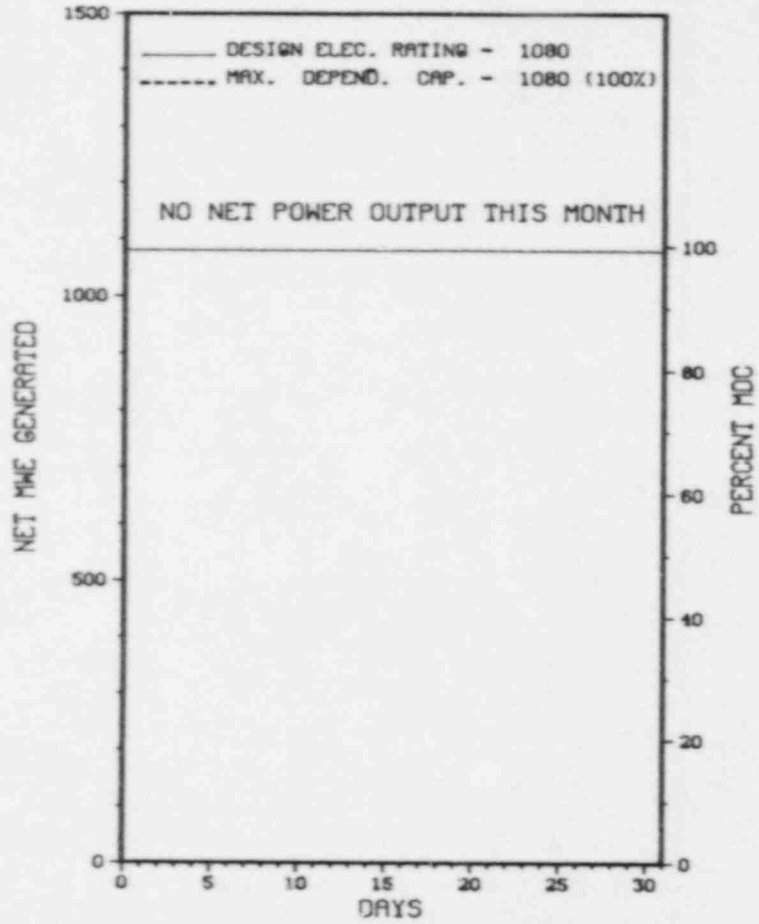
NONE

27. If Currently Shutdown Estimated Startup Date: 08/14/88

SAN ONOFRE 3

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
41	04/30/88	S	744.0	C	4				CYCLE 4 REFUELING OUTAGE.

SUMMARY

SAN ONOFRE 3 REMAINED SHUTDOWN IN JULY FOR SCHEDULED 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)

****
* SAN ONOFRE 3 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 29, 1983

DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983

DATE COMMERCIAL OPERATE....APRIL 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. HUEY

LICENSING PROJ MANAGER.....D. HICKMAN
DOCKET NUMBER.....50-362

LICENSE & DATE ISSUANCE....NPF-15, NOVEMBER 15, 1982

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF CALIFORNIA
GENERAL LIBRARY
IRVINE, CA. 92713

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON MAY 2 - JUNE 10, 1988 (REPORT NO. 50-362/88-10) AREAS INSPECTED: THIS SPECIAL, ANNOUNCED TEAM SAFETY SYSTEM FUNCTIONAL INSPECTION (SSFI) INVOLVED THE AREAS OF ENGINEERING, MAINTENANCE, SURVEILLANCE TESTING, OPERATIONS, HEALTH PHYSICS, QUALITY ASSURANCE AND ADMINISTRATION. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, FOUR VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. THE TEAM CONCLUDED THAT THE LICENSEE DOES NOT FULLY UNDERSTAND THE DESIGN OF THE SYSTEMS REVIEWED; THAT THE LICENSEE DOES NOT HAVE READY ACCESS TO ACCURATE DESIGN INFORMATION; AND THAT TECHNICAL WORK IS NOT ALWAYS PERFORMED IN A COMPLETE, TECHNICALLY CORRECT MANNER. DEFICIENCIES WERE ALSO IDENTIFIED WITH TESTING, MAINTENANCE, AND OPERATION ASPECTS OF THE SYSTEMS REVIEWED.

+ INSPECTION ON JUNE 5 - 12, 1988 (REPORT NO. 50-362/88-14) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MAY 22 - JULY 2, 1988 (REPORT NO. 50-362/88-16) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-362/88-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-362-88-19) AREAS INSPECTED: A SPECIAL, ANNOUNCED INSPECTION OF REPRESENTATIVE SUBSYSTEMS OF THE POST-ACCIDENT MONITORING SYSTEM AT THE SAN ONOFRE NUCLEAR GENERATING STATION (SONGS), UNIT 3. THIS INSPECTION ASSESSED THE CONFORMANCE OF THE SONGS WITH REGULATORY GUIDE 1.97, REVISION 2. THIS INSPECTION ADDRESSES SAFETY ISSUE MANAGEMENT SYSTEM ITEM NUMBER 67.3.3. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED.

****
* SAN ONOFRE 3 *
****

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 3 - AUGUST 13, 1988 (REPORT NO. 50-362/88-20) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT WAS SHUT DOWN ON APRIL 29, 1988, FOR THE CYCLE FOUR REFUELING. THE LICENSEE EXPECTS TO RETURN THE UNIT TO SERVICE IN EARLY AUGUST.

LAST IE SITE INSPECTION DATE: 07/03 - 08/13/88+

INSPECTION REPORT NO: 50-362/88-20+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-04-LO	05-11-88	06-10-88	SPURIOUS CPIS ON FAILURE CIRCUIT ACTUATION DUE TO CIRCUIT ERRORS

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	62,112.0
13. Hours Reactor Critical	.0	.0	24,444.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	23,871.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	77,060,921
18. Gross Elec Ener (MWH)	0	0	25,978,386
19. Net Elec Ener (MWH)	-3,766	-34,053	24,820,270
20. Unit Service Factor	.0	.0	38.4
21. Unit Avail Factor	.0	.0	38.4
22. Unit Cap Factor (MDC Net)	.0	.0	34.8
23. Unit Cap Factor (DER Net)	.0	.0	34.8
24. Unit Forced Outage Rate	100.0	100.0	54.9
25. Forced Outage Hours	744.0	5,111.0	29,002.1

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

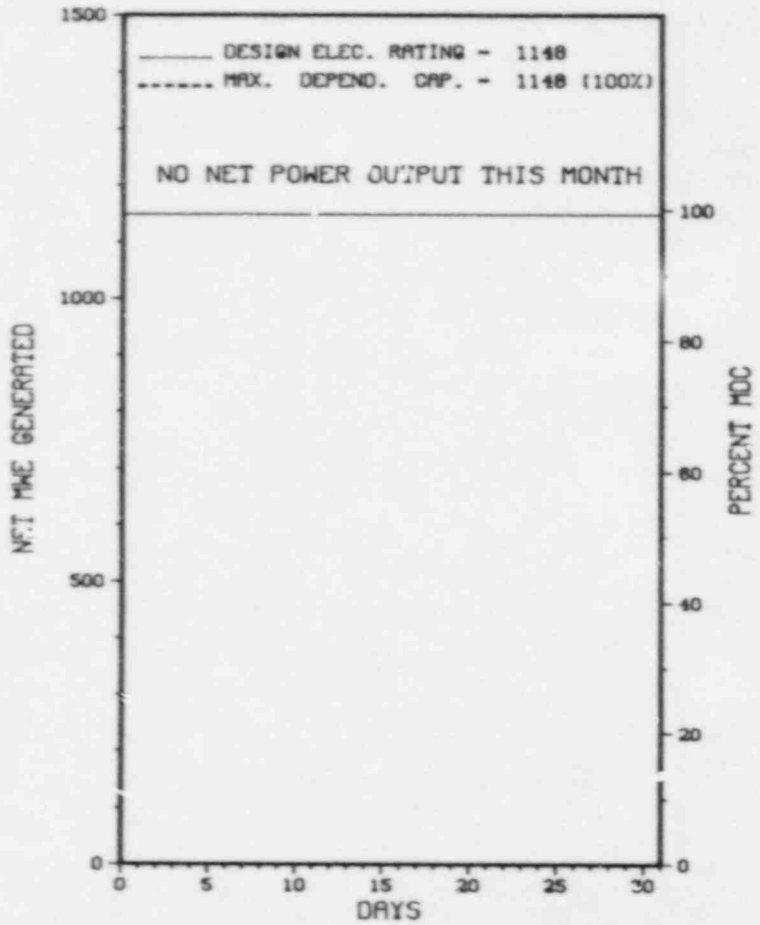
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/88

SEQUOYAH 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/20/85	F	744.0	F	4				DESIGN CONTROL, CONFIGURATION UPDATING, AND EMPLOYEE CONCERNS.

*** SUMMARY ***

SEQUOYAH 1 REMAINED SHUTDOWN IN JULY BECAUSE OF DESIGN CONTROL, CONFIGURATION UPDATING, AND EMPLOYEE CONCERNS.

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 JUL 1988

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.....6 NORTH 38A LOOKOUT PLACE
CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....T. FORD

LICENSING PROJ MANAGER.....E. MCKENNA
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE....DPR-77, SEPTEMBER 17, 1980

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 1-30 (88-27): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF: OPERATIONAL SAFETY VERIFICATION; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; REVIEW OF NRC BULLETINS; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - VIOLATION 327, 328/88-27-01, INADEQUATE CORRECTIVE ACTION FOR IMPROPER POSITIVE REACTIVITY CHANGES. NO UNRESOLVED ITEMS OR INSPECTOR FOLLOWUP ITEMS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V AND DRAWINGS 47W470-4, AND 47B473 SHEETS 2, 5, AND 6, PRIOR TO MARCH 6, 1988, 16 POLAR CRANE WALL PENETRATIONS WERE NOT SEALED IN ACCORDANCE WITH THESE DESIGN DRAWINGS. CONTRARY TO TS 6.8.1, PRIOR TO MARCH 6, 1988, THE LICENSEE FAILED TO HAVE AN ADEQUATE PROCEDURE FOR PERIODIC INSPECTIONS OF THE SHIELD BUILDING PENETRATION FIRE BARRIER FOAM SEALS. FABRIC BOOT SLEEVES WERE INSTALLED DURING ORIGINAL PLANT CONSTRUCTION ON 53 OF THESE PENETRATIONS, FOR HYDRAULIC CONSIDERATIONS, MAKING THE FOAM FIRE BARRIERS INACCESSIBLE. SURVEILLANCE INSTRUCTION (SI) 233.1, "VISUAL INSPECTIONS OF PENETRATION FIRE BARRIERS-MECHANICAL SYSTEM 302 (PENETRATIONS)" AND ITS PREDECESSORS DID NOT REQUIRE REMOVAL OF THESE SLEEVES TO PERMIT FIRE BARRIER INSPECTION OR REQUIRE INSPECTION OF THE BARRIER FROM THE OPPOSITE SIDE OF THE WALL. AS A RESULT, THE LICENSEE HAD NOT MET THE REQUIREMENTS OF TS 4.7.12 FOR VISUAL INSPECTION OF FIRE BARRIER SEALS SINCE PLANT LICENSING. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V AND DRAWINGS 47W470-4, AND 47B473 SHEETS 2, 5, AND 6, PRIOR TO MARCH 6, 1988, 16 POLAR CRANE WALL PENETRATIONS WERE NOT SEALED IN ACCORDANCE WITH THESE DESIGN DRAWINGS. CONTRARY TO TS 6.8.1, PRIOR TO MARCH 6, 1988, THE LICENSEE

ENFORCEMENT SUMMARY

FAILED TO HAVE AN ADEQUATE PROCEDURE FOR PERIODIC INSPECTIONS OF THE SHIELD BUILDING PENETRATION FIRE BARRIER FOAM SEALS. FABRIC BOOT SLEEVES WERE INSTALLED DURING ORIGINAL PLANT CONSTRUCTION ON 55 OF THESE PENETRATIONS, FOR HYDRAULIC CONSIDERATIONS, MAKING THE FOAM FIRE BARRIERS INACCESSIBLE. SURVEILLANCE INSTRUCTION (SI) 233.1, "VISUAL INSPECTIONS OF PENETRATION FIRE BARRIERS-MECHANICAL SYSTEM 302 (PENETRATIONS)" AND ITS PREDECESSORS DID NOT REQUIRE REMOVAL OF THESE SLEEVES TO PERMIT FIRE BARRIER INSPECTION OR REQUIRE INSPECTION OF THE BARRIER FROM THE OPPOSITE SIDE OF THE WALL. AS A RESULT, THE LICENSEE HAD NOT MET THE REQUIREMENTS OF TS 4.7.12 FOR VISUAL INSPECTION OF FIRE BARRIER SEALS SINCE PLANT LICENSING.
(8801 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 5.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-327/88-38 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-023	06/07/88	06/30/88	FAILURE TO BLOCK RADIATION MONITOR BEFORE PERFORMANCE OF WORK RESULTS IN A CONTAINMENT VENTILATION ISOLATION
88-024	06/15/88	07/07/88	UNPLANNED REACTOR TRIP SIGNAL DUE TO SIMULATED RCP UNDERVOLTAGE CONDITION DURING RELAY REPLACEMENT
88-025	06/17/88	07/07/88	TWO TURBINE TRIP SIGNALS INITIATED AS THE RESULTS OF TESTING FOR STEAM GENERATOR TUBE LEAKS

1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6722

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1229

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	54,072.0
13. Hours Reactor Critical	744.0	1,529.1	23,5?3.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	1,624.8	22,919.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,050,019	3,650,995	72,778,969
18. Gross Elec Ener (MWH)	683,019	1,197,940	24,734,720
19. Net Elec Ener (MWH)	655,061	1,072,037	23,580,233
20. Unit Service Factor	100.0	27.9	42.4
21. Unit Avail Factor	100.0	27.9	42.4
22. Unit Cap Factor (MDC Net)	76.7	18.3	38.0
23. Unit Cap Factor (DER Net)	76.7	18.3	38.0
24. Unit Forced Outage Rate	.0	72.1	5?.5
25. Forced Outage Hours	.0	3,684.8	26,328.1

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

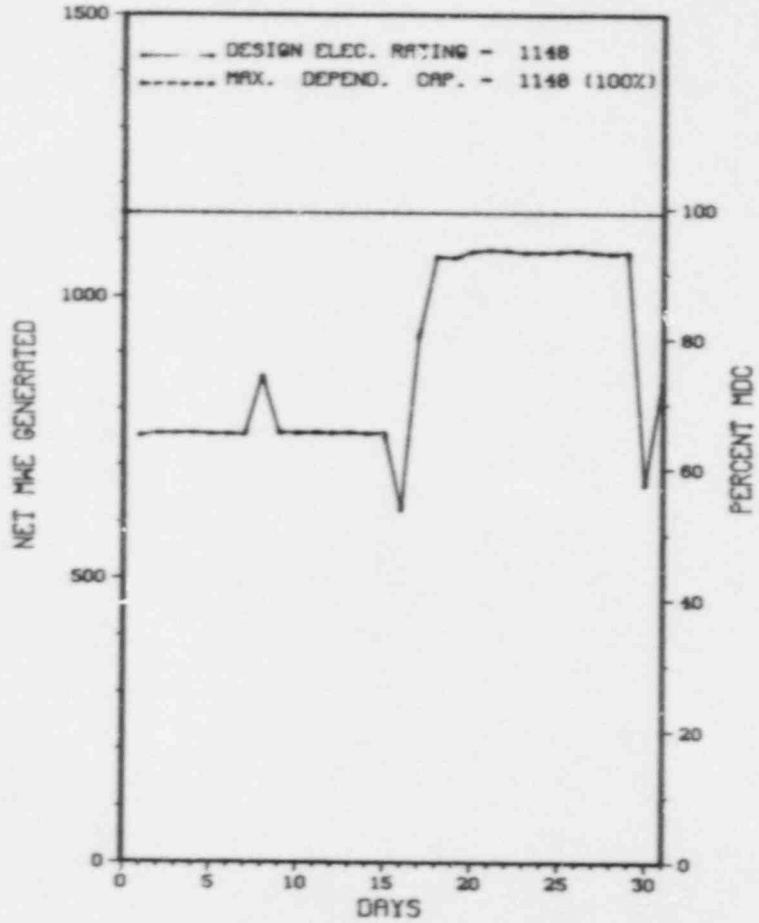
REFUELING - JAN. 1989 - 65 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: N/A

****
* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	07/16/88	S	0.0	B	5				MAINTENANCE PERFORMED ON THE SPEEDCHANGER OF BOTH MAIN FEEDWATER PUMPS.
11	07/30/88	S	0.0	B	5				MAINTENANCE ON 2A-A MAIN FEEDWATER PUMP SPEEDCHANGER.

SUMMARY

SEQUOYAH 2 INCURRED TWO SCHEDULED LOAD REDUCTIONS IN JULY FOR REASONS STATED ABOVE.

Type	Reason	Method	System & Component
F-Forced S-Sched	A-Equip Failure F-Admin B-Maint or Test G-Oper Error C-Refueling H-Other D-Regulatory Restriction E-Operator Training & License Examination	1-Manual 2-Manual Scram 3-Auto Scram 4-Continued 5-Reduced Load 9-Other	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period JUL 1988

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.....6 NORTH 38A LOOKOUT PLACE
CHATTANOOGA, TENNESSEE 37401

CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR..... .....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....E. MCKENNA
DOCKET NUMBER.....50-328

LICENSE & DATE ISSUANCE....DPR-79, SEPTEMBER 15, 1981

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 1-30 (88-27): THIS ROUTINE, ANNOUNCED INSPECTION WAS CONDUCTED ON SITE IN THE AREAS OF: OPERATIONAL SAFETY VERIFICATION; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; REVIEW OF NRC BULLETINS; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - VIOLATION 327, 328/88-27-01, INADEQUATE CORRECTIVE ACTION FOR IMPROPER POSITIVE REACTIVITY CHANGES. NO UNRESOLVED ITEMS OR INSPECTOR FOLLOWUP ITEMS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

ENVIRONMENTAL QUALIFICATION OF EQUIPMENT.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MODE 5.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-328/88-38 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-026	06/11/88	07/07/88	INADEQUATE CONFIGURATION CONTROL CAUSED TWO AUXILIARY FEEDWATER FLOW PATHS TO BE INOPERABLE RESULTING IN NONCOMPLIANCE WITH TECHNICAL SPECIFICATION 3.7.1.2
88-028	06/08/88	06/30/88	TWO REACTOR TRIPS DURING UNIT STARTUP RESULTING FROM STEAM GENERATOR LO-LO LEVEL WHICH WERE CAUSED BY FEEDWATER FLOW PERTURBATIONS
88-029	06/21/88	07/14/88	SPURIOUS SPIKE ON PARTICULATE CHANNEL OF UPPER COMPARTMENT RADIATION MONITOR RESULTED IN CONTAINMENT VENTILATION ISOLATION
88-030	06/21/88	07/14/88	FAILURE TO IDENTIFY THE EFFECTS OF EXCESSIVE POST-TRIP REACTOR COOLANT SYSTEM COOLDOWNS COULD HAVE CAUSED NONCOMPLIANCE WITH SHUTDOWN MARGIN REQUIREMENTS

1. Docket: 50-498 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: C.A. AYALA (512) 972-8628
4. Licensed Thermal Power (MWt): 3800
5. Nameplate Rating (Gross MWe):
6. Design Electrical Rating (Net MWe): 1250
7. Maximum Dependable Capacity (Gross MWe): 1250
8. Maximum Dependable Capacity (Net MWe): 1250
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,966.1	2,966.1
13. Hours Reactor Critical	650.5	1,843.3	1,843.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	595.0	1,634.1	1,634.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,543,286	2,695,221	2,695,221
18. Gross Elec Ener (MWH)	490,470	798,543	798,543
19. Net Elec Ener (MWH)	444,404	628,919	628,919
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	58.1	665.3	665.3

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

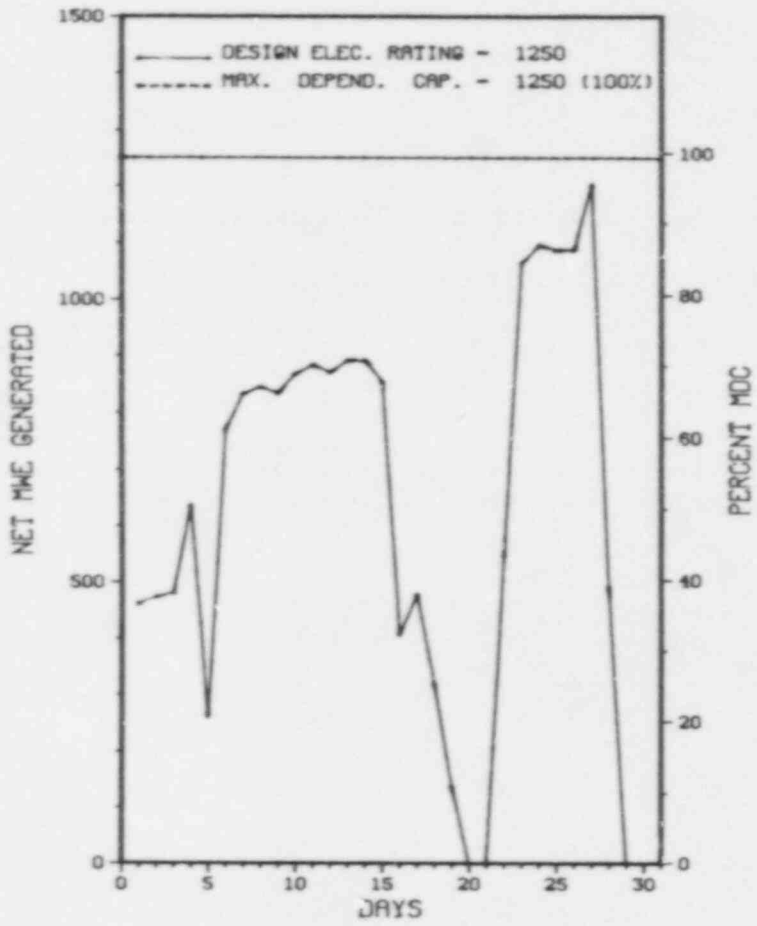
BOTTOM MOUNTED INST. INSPECT. 09/88 - 14 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 08/01/88

****
* SOUTH TEXAS 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SOUTH TEXAS 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SOUTH TEXAS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-13	07/03/88	F	4.8	B	9		TA	TRB	STEAM LEAK REPAIR. (RX CRITICAL)
88-14	07/16/88	S	0.0	B	5		TA	V-65	REDUCED POWER TO DETERMINE THE REQUIRED GOVERNOR VALVE POSITION TO RE-PERFORM THE LARGE LOAD REDUCTION TEST WITH TURBINE CONTROL IN THE "IMPULSE PRESSURE OUT" MODE. (RX CRITICAL)
88-15	07/17/88	S	4.9	B	9				PERFORMED LARGE LOAD REDUCTION TEST AT 75% (RX CRITICAL).
88-16	07/19/88	F	53.3	G	3	88-045	JC	CAB	REACTOR TRIP DUE TO I&C TECHNICIAN INADVERTANTLY TRIPPING THE WRONG CHANNEL OF DELTA-T INSTRUMENT. WILL BE ADDRESSED IN LER 88-045.
88-17	07/28/88	S	86.0	B	1				PERFORMED REACTOR TRIP TEST AT 100% POWER PLATEAU.

SUMMARY

SOUTH TEXAS INCURRED FOUR POWER OUTAGES AND ONE REDUCTION DURING JULY FOR REASONS STATED ABOVE WHILE IN POWER ASCENSION TESTING PHASE.

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)

****
* SOUTH TEXAS 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....TEXAS

COUNTY.....MATAGORDA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SSW OF
BAY CITY, TEX

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 8, 1988

DATE ELEC ENER 1ST GENER...MARCH 30, 1988

DATE COMMERCIAL OPERATE....**********

CONDENSER COOLING METHOD...CC

CONDENSER COOLING WATER....COLORADO RIVER

ELECTRIC RELIABILITY
COUNCIL.....ELECTRIC RELIABILITY
COUNCIL OF TEXAS

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....HOUSTON LIGHTING & POWER COMPANY

CORPORATE ADDRESS.....P.O. BOX 1700
HOUSTON, TEXAS 77001

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....C. JOHNSON

LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-498

LICENSE & DATE ISSUANCE....NPF-76, MARCH 22, 1988

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BERNARD AND HIGHWAY 144
P.O. BOX 417
GLEN ROSE, TX. 76043

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 1-31 (88-34) ROUTINE, UNANNOUNCED INSPECTION INCLUDED LOSS OF OFFSITE POWER, BOTTOM MOUNTED INSTRUMENTATION, OBSERVATION SAFETY VERIFICATION, ENGINEERED SAFETY FEATURE SYSTEM WALKDOWN, SURVEILLANCE OBSERVATIONS, SECURITY OBSERVATIONS, RADIOLOGICAL PROTECTION OBSERVATION, AND SECURITY FENCE CONSTRUCTION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED MAY 23-27, 1988 (88-37) ROUTINE, UNANNOUNCED INSPECTION OF PHYSICAL SECURITY PROGRAMS, INCLUDING LOCK AND KEY CONTROL, PHYSICAL PROTECTION OF SAFEGUARDS INFORMATION, ASSESSMENT AIDS, TEST AND MAINTENANCE, ACCESS CONTROL - PERSONNEL, DETECTION AIDS - PROTECTED AREA, AND FOLLOW UP ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (INADEQUATE LOCK AND KEY CONTROL, PARA 3; AND INADEQUATE PROTECTION OF SAFEGUARDS INFORMATION, PARA 4).

INSPECTION CONDUCTED JULY 5-8, 1988 (88-44) ROUTINE, UNANNOUNCED INSPECTION OF STP'S UNITS 1 AND 2 REVIEW OF SELECTED OPEN ITEMS AND EVALUATION OF TEST RESULTS FOR CONTROL ROD TESTING. WITHIN TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 8,1988

INSPECTION REPORT NO: 50-498/88-44

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

1. Docket: 50-335 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 694-4432
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890
6. Design Electrical Rating (Net MWe): 830
7. Maximum Dependable Capacity (Gross MWe): 872
8. Maximum Dependable Capacity (Net MWe): 839
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted Any (Net MWe):
11. Reasons for Restrictions, If A

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	101,783.0
13. Hours Reactor Critical	240.4	4,568.3	77,120.1
14. Rx Reserve Shtdwn Hrs	.0	.0	205.3
15. Hrs Generator On-Line	232.6	4,554.4	75,524.9
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	612,621	12,220,446	193,566,083
18. Gross Elec Ener (MWH)	198,750	4,084,970	63,608,555
19. Net Elec Ener (MWH)	185,268	3,875,792	60,067,381
20. Unit Service Factor	31.3	89.1	74.2
21. Unit Avail Factor	31.3	89.1	74.2
22. Unit Cap Factor (MDC Net)	29.7	90.4	70.3
23. Unit Cap Factor (DER Net)	30.0	91.4	71.1
24. Unit Forced Outage Rate	3.2	1.1	3.8
25. Forced Outage Hours	7.6	52.8	2,993.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

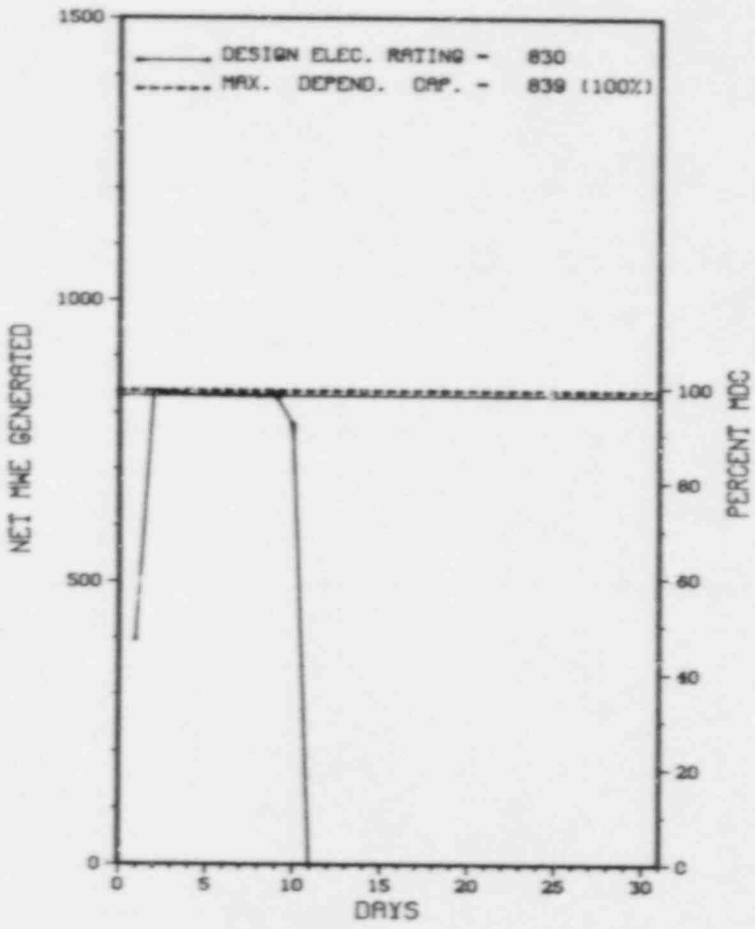
NONE

27. If Currently Shutdown Estimated Startup Date: 08/26/88

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

ST LUCIE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02	06/30/88	F	3.9	A	4	335/88-04	HH	RELAY	UNIT NO.1 WAS OPERATING AT 100% POWER WHEN THE REACTOR TRIPPED ON HIGH-PRESSURIZER PRESSURE. THE TRIP WAS CAUSED BY A SPURIOUS ACTUATION OF THE CURRENT BALANCE RELAY ASSOCIATED WITH THE 1B CONDENSATE PUMP. THE RELAY WAS REPLACED. RETURN TO POWER OPERATION THEN COMMENCED.
03	07/01/88	F	3.7	A	2		H	VALVEX	UNIT NO.1 REACHED APPROXIMATELY 15% POWER WHEN IT WAS MANUALLY SHUTDOWN TO REPAIR A LEAKING SAFETY RELIEF VALVE IN THE FEEDWATER FILTER SYSTEM. FOLLOWING REPAIRS THE UNIT WAS RETURNED TO FULL POWER OPERATION.
04	07/11/88	S	503.8	C	1		RC	FUELXX	UNIT SHUTDOWN FOR SCHEDULED REFUELING AND MAINTENANCE.

SUMMARY

ST. LUCIE 1 ENTERED JULY IN AN OUTAGE. SUBSEQUENTLY, INCURRED ONE FORCED OUTAGE AND SHUTDOWN FOR SCHEDULED REFUELING AND MAINTENANCE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* 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.....R. CRLENJAK

LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ NONE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-335/88-17 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-389 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 694-4432
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 850
6. Design Electrical Rating (Net MWe): 830
7. Maximum Dependable Capacity (Gross MWe): 882
8. Maximum Dependable Capacity (Net MWe): 839
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

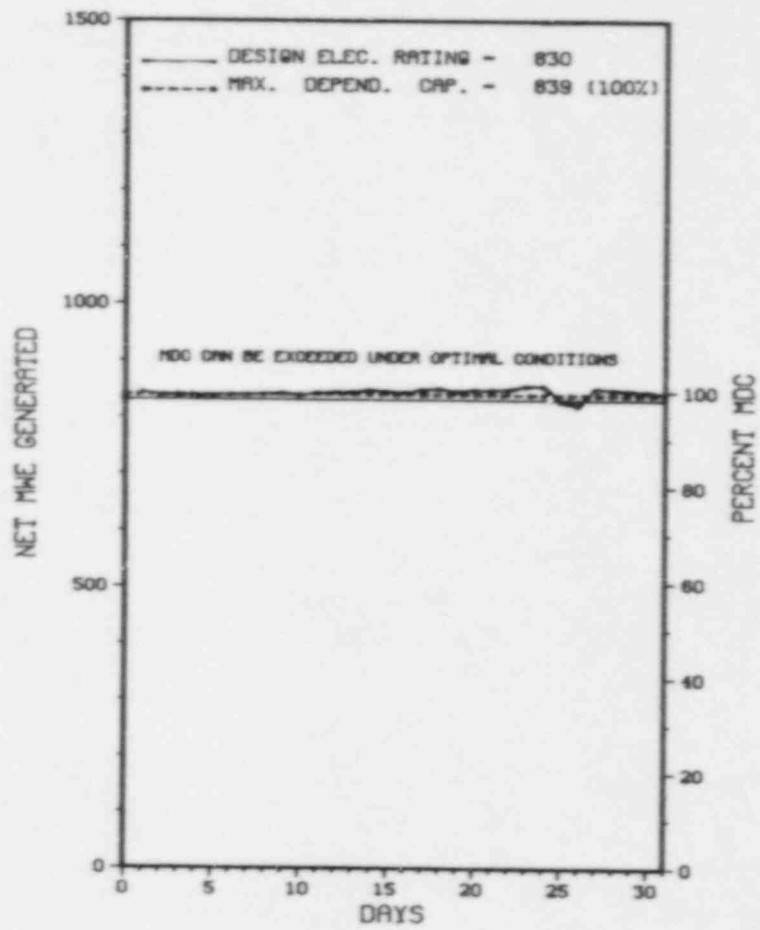
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	43,680.0
13. Hours Reactor Critical	744.0	5,111.0	37,868.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	5,111.0	37,148.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,005,648	13,729,002	96,725,644
18. Gross Elec Ener (MWH)	661,320	4,591,860	32,290,520
19. Net Elec Ener (MWH)	627,285	4,358,751	30,526,539
20. Unit Service Factor	100.0	100.0	85.0
21. Unit Avail Factor	100.0	100.0	85.0
22. Unit Cap Factor (MDC Net)	100.5	101.6	83.3
23. Unit Cap Factor (DER Net)	101.6	102.7	84.2
24. Unit Forced Outage Rate	.0	.0	6.3
25. Forced Outage Hours	.0	.0	2,511.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A

****
* ST LUCIE 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

ST LUCIE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
NONE									

SUMMARY

ST. LUCIE 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....ST LUCIE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 2, 1983

DATE ELEC ENER 1ST GENER...JUNE 13, 1983

DATE COMMERCIAL OPERATE....AUGUST 8, 1983

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....ATLANTIC OCEAN

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-389

LICENSE & DATE ISSUANCE....NPF-16, JUNE 10, 1983

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ NONE.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: JULY 31, 1988 +

INSPECTION REPORT NO: 50-389/88-17 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-395 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. H. MALTIHANGER (803) 345-5209
4. Licensed Thermal Power (MWt): 2775
5. Nameplate Rating (Gross MWe): 900
6. Design Electrical Rating (Net MWe): 900
7. Maximum Dependable Capacity (Gross MWe): 900
8. Maximum Dependable Capacity (Net MWe): 885
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

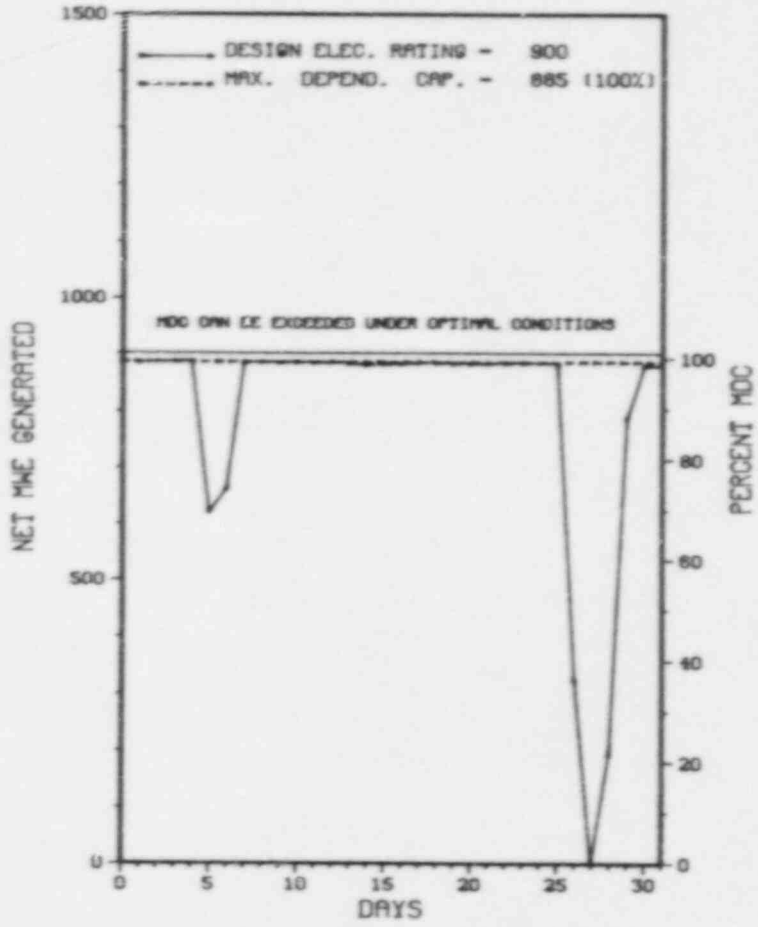
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	40,175.0
13. Hours Reactor Critical	704.0	4,808.6	31,477.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	696.2	4,770.9	30,899.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,894,116	12,880,991	81,664,671
18. Gross Elec Ener (MWH)	618,650	4,270,640	27,100,053
19. Net Elec Ener (MWH)	591,388	4,084,325	25,823,908
20. Unit Service Factor	93.6	93.3	76.9
21. Unit Avail Factor	93.6	93.3	76.9
22. Unit Cap Factor (MDC Net)	89.8	90.3	72.6
23. Unit Cap Factor (DER Net)	88.3	88.8	71.4
24. Unit Forced Outage Rate	6.4	6.7	6.5
25. Forced Outage Hours	47.8	340.1	2,163.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - SEPTEMBER 16, 1988- 85 DAY DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* SUMMER 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* SUMMER 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	07/05/88	F	0.0	A	5				REPAIR REACTOR COOLANT DRAIN TANK PUMP.
7	07/26/88	F	47.8	H	3				TRIP RESULTED FROM AN EQUIPMENT MALFUNCTION IN CONJUNCTION WITH PERSONNEL ERRORS. ADDITIONAL ADMINISTRATIVE CONTROLS WERE IMPLEMENTED AND PLANT STARTUP INITIATED.

****
* SUMMARY *
****

SUMMER 1 INCURRED ONE FORCED LOAD REDUCTION AND ONE FORCED OUTAGE DURING JULY AS DISCUSSED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SUMMER 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....FAIRFIELD

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 22, 1982

DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982

DATE COMMERCIAL OPERATE....JANUARY 1, 1984

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MONTICELLO RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.

CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. PREVATTE

LICENSING PROJ MANAGER.....J. HAYES
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 JUNE 13-17 (88-15): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF THE SERVICE WATER SYSTEM. A REVIEW WAS PERFORMED OF THE CURRENT SYSTEM, ITS DESIGN BASIS AND THOSE PLANT ACTIONS TAKEN TO RESPOND TO CURRENT GENERIC NRC SERVICE WATER CONCERNS. A SYSTEM WALKDWON WAS CONDUCTED, AND SURVEILLANCE TEST RESULTS WERE REVIEWED. THIS INSPECTION SHOWED THE SERVICE WATER SYSTEM TO BE MAINTAINED IN ACCORDANCE WITH THE EXISTING REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS AND THE GUIDELINES OF ASME. THE PLANT PERSONNEL ARE NOT IN A MODE OF LOOKING FOR PROBLEMS RELATED TO SERVICE WATER. PROBLEMS ARE DEALT WITH AS THEY OCCUR, INSTEAD OF BEING ANTICIPATED. THIS APPROACH IS CONSISTENT WITH THE OBSERVATIONS MADE ON SERVICE WATER INSPECTIONS OF THE PROGRAMS AT OTHER LICENSEE'S FACILITIES. ALTHOUGH IE BULLETIN 81-03 "FLOW BLOCKAGE OF COOLING WATER TO SAFETY RELATED COMPONENTS BY CORBICULA SP.", WAS ISSUED IN APRIL OF 1981, ONLY RELATIVELY RECENTLY HAS THE PLANT BEEN ACTIVELY SEEKING A SOLUTION TO ITS CLAM PROBLEM. DEGRADATION OF SERVICE WATER PERFORMANCE HAS BEEN NOTED IN THE PAST. POTENTIAL FUTURE PROBLEMS INCLUDE SILTING AND MICROBIOLOGICALLY INDUCED CORROSION. A SYSTEM WALKDOWN SHOWED THE SYSTEM TO HAVE A WELL KEPT APPEARANCE. PERFORMANCE TESTING ON THE ACTIVE COMPONENTS SHOWS THEM TO BE WITHIN THE ASME GUIDELINES. THE SYSTEM ENGINEER CONCEPT WAS RECENTLY INSTITUTED AT THE PLANT. THE FOCUS ON THE SYSTEM AS A WHOLE RESULTED IN SERVICE WATER FLOW BALANCING BEING PERFORMED RECENTLY AT THE REQUEST OF THE SYSTEM ENGINEER. THIS WAS BEYOND THE MINIMUM REQUIRED TESTING. OVERALL, THE PLANT WOULD RATE AVERAGE WITH OTHER PLANTS INSPECTED WITH RESPECT TO ITS SERVICE WATER SYSTEM PROGRAMS. THE SYSTEM IS BETTER INSTRUMENTED WITH RESPECT TO FLOW AND TEMPERATURE THAN MOST. THE PROGRAMS FOR ASSURING SYSTEM PERFORMANCE ARE MORE REACTIVE THAN PROACTIVE, HOWEVER. ONE VIOLATION, ONE DEVIATION, AND ONE UNRESOLVED ITEM WERE IDENTIFIED. THE VIOLATION WAS FAILURE TO PROVIDE AN ADEQUATE PROCEDURE FOR SERVICE WATER OPERATIONS DURING AN EXTENDED EQUIPMENT OUTAGE. THIS IS DISCUSSED IN SECTION 4 OF THE REPORT. THE DEVIATION INVOLVED REACTOR BUILDING COOLING UNITS AIR FLOWS AT LESS THAN THE FSAR DESIGN FLOWS. THIS IS DISCUSSED IN SECTION 3 OF THE REPORT. THE UNRESOLVED ITEM IS A QUESTIOIN OF ADEQUACY OF THE 'C' SERVICE WATER PUMP. THIS IS DISCUSSED IN SECTION 3 OF THE

INSPECTION SUMMARY

REPORT.

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 15, 1988

INSPECTION REPORT NO: 50-395/88-16

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-007	06/01/88	07/01/88	REACTOR TRIP DUE TO UNDERVOLTAGE ON "A" TRAIN REACTOR PROTECTION
88-008	06/07/88	07/07/88	STEAM PATH YIELDING POTENTIAL FOR AFFECTING UNQUALIFIED EQUIPMENT

1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. WARREN (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 820

8. Maximum Dependable Capacity (Net MWe): 781

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	136,823.0
13. Hours Reactor Critical	415.7	2,728.3	87,467.9
14. Rx Reserve Shtdwn Hrs	.0	.0	3,774.5
15. Hrs Generator On-Line	331.0	2,628.6	85,599.4
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	721,410	6,044,220	198,271,486
18. Gross Elec Ener (MWH)	234,110	2,028,795	64,403,968
19. Net Elec Ener (MWH)	221,010	1,926,514	61,078,676
20. Unit Service Factor	44.5	51.4	62.6
21. Unit Avail Factor	44.5	51.4	65.3
22. Unit Cap Factor (MDC Net)	38.0	48.3	57.2
23. Unit Cap Factor (DER Net)	37.7	47.8	56.7
24. Unit Forced Outage Rate	.0	2.9	17.5
25. Forced Outage Hours	.0	79.2	14,499.5

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

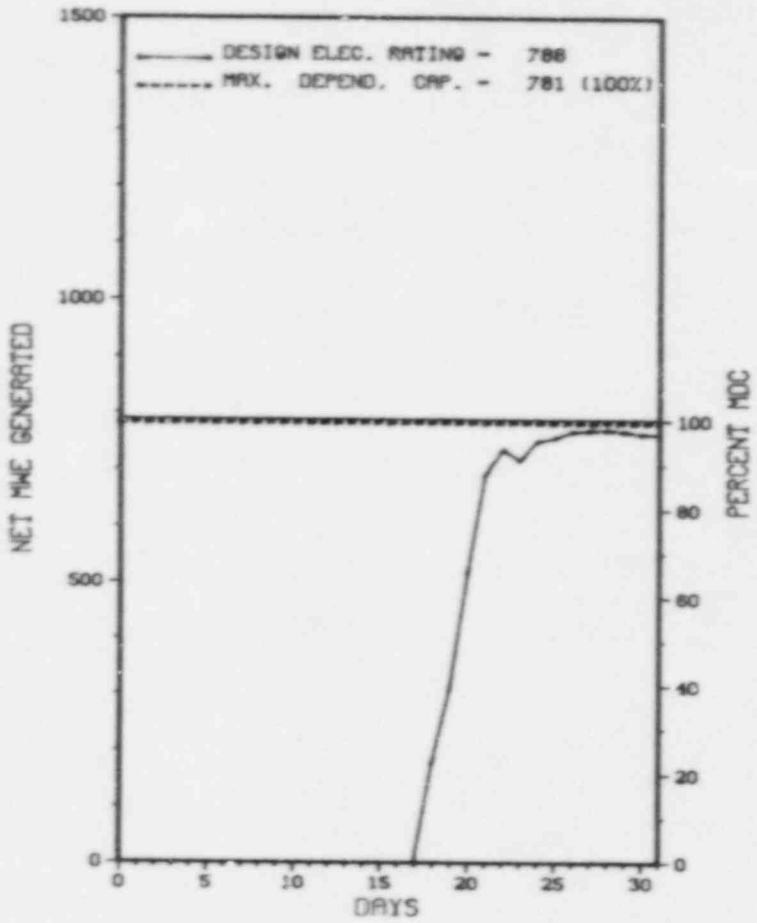
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SURRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-05	04/09/88	S	413.0	C	4				UNIT SHUTDOWN FOR REFUELING OUTAGE.

SUMMARY

SURRY 1 COMPLETED SCHEDULED REFUELING OUTAGE IN JULY AND RETURNED TO 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)

****
* SURRY 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL OPERATE....DECEMBER 22, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....C. PATEL
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE....DPR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

* INSPECTION MAY 16-20 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF LOCAL LEAK RATE TESTING AND CONTAINMENT INTEGRITY. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING DETERMINING THE "AS-FOUND" CONTAINMENT LEAK RATE RELATIVE TO REPAIR OF SECONDARY SYSTEM LEAKAGE.

INSPECTION JUNE 20-24 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS, AND INCLUDED A REVIEW OF THE FOLLOWING PROGRAMMATIC AREAS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES; (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES, (3) ORGANIZATION AND MANAGEMENT CONTROL, (4) TRAINING AND (5) INDEPENDENT REVIEWS/AUDITS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND TO A RADIOLOGICAL EMERGENCY INVOLVING THE SURRY FACILITY.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

NONE.

LAST IE SITE INSPECTION DATE: JULY 30, 1988 +

INSPECTION REPORT NO: 50-280/88-28 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-017	06/06/88	07/06/88	DEBRIS IN CONTAINMENT SUMPS DUE TO INADEQUATE INSPECTION PROGRAM
88-019	06/25/88	07/18/88	START OF EMERGENCY DIESEL GENERATOR DUE TO PERSONNEL ERROR

1. Docket: 50-281 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. WARREN (804) 357-3184
4. Licensed Thermal Power (MWt): 2441
5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848
6. Design Electrical Rating (Net MWe): 788
7. Maximum Dependable Capacity (Gross MWe): 820
8. Maximum Dependable Capacity (Net MWe): 781
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

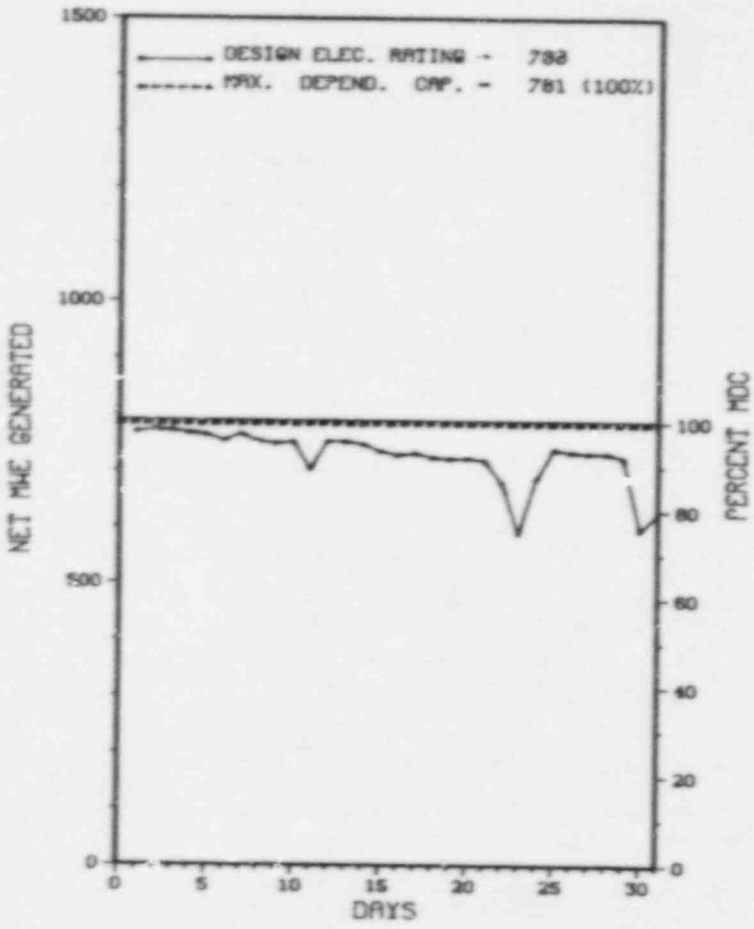
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	133,705.0
13. Hours Reactor Critical	744.0	4,066.3	88,735.0
14. Rx Reserve Shtdwn Hrs	.0	.0	23.8
15. Hrs Generator On-Line	744.0	4,032.7	87,331.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,771,100	9,700,719	206,87:,068
18. Gross Elec Ener (MWH)	568,210	3,265,545	66,573,369
19. Net Elec Ener (MWH)	539,530	3,059,089	63,128,870
20. Unit Service Factor	100.0	78.9	65.3
21. Unit Avail Factor	100.0	78.9	65.3
22. Unit Cap Factor (MDC Net)	92.9	76.4	60.5
23. Unit Cap Factor (DER Net)	92.0	75.7	59.9
24. Unit Forced Outage Rate	.0	21.1	14.3
25. Forced Outage Hours	0	1,078.3	11,937.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING, 09/09/88, 68 DAY DURATION.
27. If Currently Shutdown Estimated Startup Date: N/A

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-06	07/11/88	S	0.0	A	5				UNIT REDUCED TO 75% POWER, 560 MWS TO CLEAN WATERBOXES.
88-09	07/22/88	S	0.0	A	5				UNIT REDUCED TO 65% POWER, 490 MWS FOR PT-29.1 AND TO CLEAN WATERBOXES.
88-10	07/23/88	S	0.0	A	5				UNIT REDUCED TO 63% POWER, 500 MWS TO WORK 'A' MFP AND TO CLEAN WATERBOXES.
88-11	07/30/88	S	0.0	A	5				UNIT REDUCED TO 77% POWER, 570 MWS TO ALLOW REMOVAL OF '3B' FEEDWATER HEATER.

****
* SUMMARY *
****

SURRY 2 INCURRED FOUR SCHEDULED POWER REDUCTIONS IN JULY FOR REASONS STATED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SURRY 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1973

DATE ELEC ENER 1ST GENER...MARCH 10, 1973

DATE COMMERCIAL OPERATE....MAY 1, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....C. PATEL
DOCKET NUMBER.....50-281

LICENSE & DATE ISSUANCE....DPR-37, JANUARY 29, 1973

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 16-20 (88-19): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF LOCAL LEAK RATE TESTING AND CONTAINMENT INTEGRITY. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED INVOLVING DETERMINING THE "AS-FOUND" CONTAINMENT LEAK RATE RELATIVE TO REPAIR OF SECONDARY SYSTEM LEAKAGE.

INSPECTION JUNE 20-24 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREA OF EMERGENCY PREPAREDNESS, AND INCLUDED A REVIEW OF THE FOLLOWING PROGRAMMATIC AREAS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES; (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES, (3) ORGANIZATION AND MANAGEMENT CONTROL, (4) TRAINING AND (5) INDEPENDENT REVIEWS/AUDITS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND TO A RADIOLOGICAL EMERGENCY INVOLVING THE SURRY FACILITY.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

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 30, 1988 +

INSPECTION REPORT NO: 50-281/88-28 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-015	06/26/88	07/18/88	COMMENCEMENT OF SHUTDOWN DUE TO ROD CONTROL CIRCUITRY FAILURE

1. Docket: 50-387 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. HIRT (717) 542-3917
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1068
8. Maximum Dependable Capacity (Net MWe): 1032
9. If Changes Occur Above Since Last Report, Give Reasons:

---

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	45,144.0
13. Hours Reactor Critical	744.0	4,616.7	33,270.7
14. Rx Reserve Shtdwn Hrs	.0	219.3	992.5
15. Hrs Generator On-Line	744.0	4,534.2	32,483.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,424,243	14,561,776	100,608,201
18. Gross Elec Ener (MWH)	783,120	4,777,718	32,788,317
19. Net Elec Ener (MWH)	755,835	4,607,433	31,454,831
20. Unit Service Factor	100.0	88.7	72.0
21. Unit Avail Factor	100.0	88.7	72.0
22. Unit Cap Factor (MDC Net)	98.4	87.4	67.5
23. Unit Cap Factor (DER Net)	95.4	84.6	65.4
24. Unit Forced Outage Rate	.0	8.2	13.5
25. Forced Outage Hours	.0	407.2	3,823.8

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration

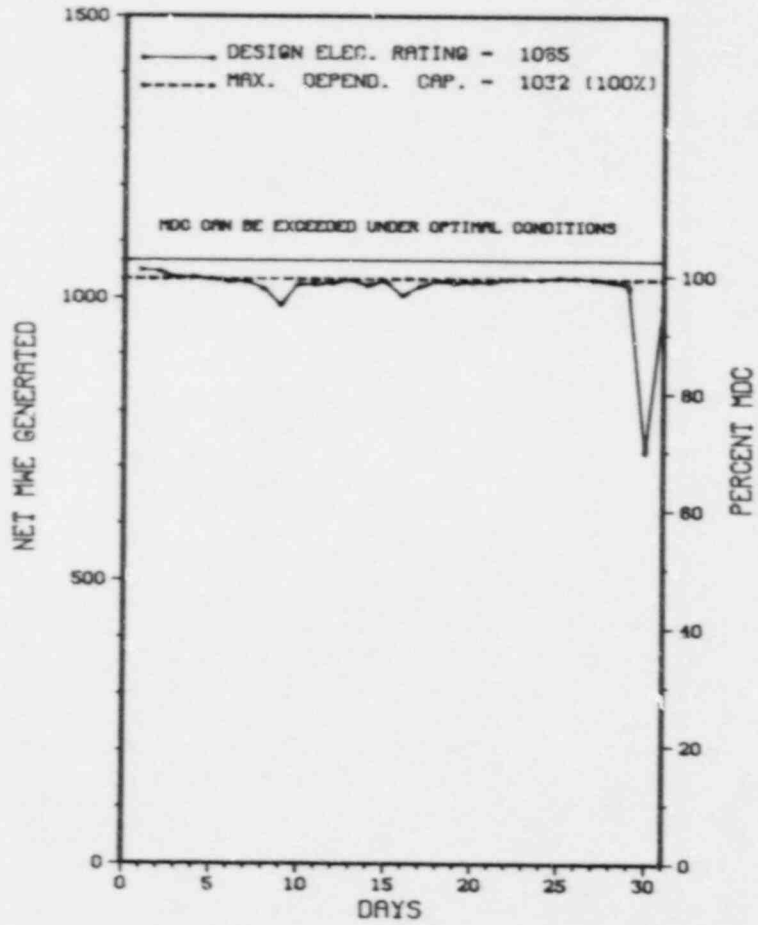
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

SUSQUEHANNA 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SUSQUEHANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	07/30/88	S	0.0	B	5		ZZ	ZZZZZZ	ON JULY 30, 1988, AT APPROXIMATELY 0000 HOURS, OPERATIONS PERSONNEL BEGAN REDUCING REACTOR POWER IN ORDER TO COMPLETE A CONTROL ROD SEQUENCE EXCHANGE. MINIMUM REACTOR POWER REACHED WAS 52%. FOLLOWING THE SEQUENCE EXCHANGE OPERATORS INCREASED REACTOR POWER. FULL POWER OPERATION WAS RE-ESTABLISHED AT APPROXIMATELY 1700 HOURS ON JULY 31, 1988.

SUMMARY

SUSQUEHANNA 1 INCURRED ONE SCHEDULED LOAD REDUCTION DURING JULY AS DISCUSSED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SUSQUEHANNA 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....LUZERNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982

DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982

DATE COMMERCIAL OPERATE....JUNE 8, 1983

CONDENSER COOLING METHOD...CC,HNDCT

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT

CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....F. YOUNG

LICENSING PROJ MANAGER.....M. THADANI
DOCKET NUMBER.....50-387

LICENSE & DATE ISSUANCE....NPF-14, NOVEMBER 12, 1982

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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: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. HIRT (717) 542-3917
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1068
8. Maximum Dependable Capacity (Net MWe): 1032
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	30,383.0
13. Hours Reactor Critical	679.2	2,483.9	24,035.7
14. Rx Reserve Shtdwn Hrs	.0	.0	693.9
15. Hrs Generator On-Line	645.9	2,319.4	23,480.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,016,044	7,051,219	73,676,937
18. Gross Elec Ener (MWH)	649,526	2,292,546	24,099,308
19. Net Elec Ener (MWH)	625,035	2,183,438	23,184,402
20. Unit Service Factor	86.8	45.4	77.3
21. Unit Avail Factor	86.8	45.4	77.3
22. Unit Cap Factor (MDC Net)	81.4	41.4	73.9
23. Unit Cap Factor (DER Net)	78.9	40.1	71.6
24. Unit Forced Outage Rate	.0	.3	8.4
25. Forced Outage Hours	.0	6.1	2,155.1

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

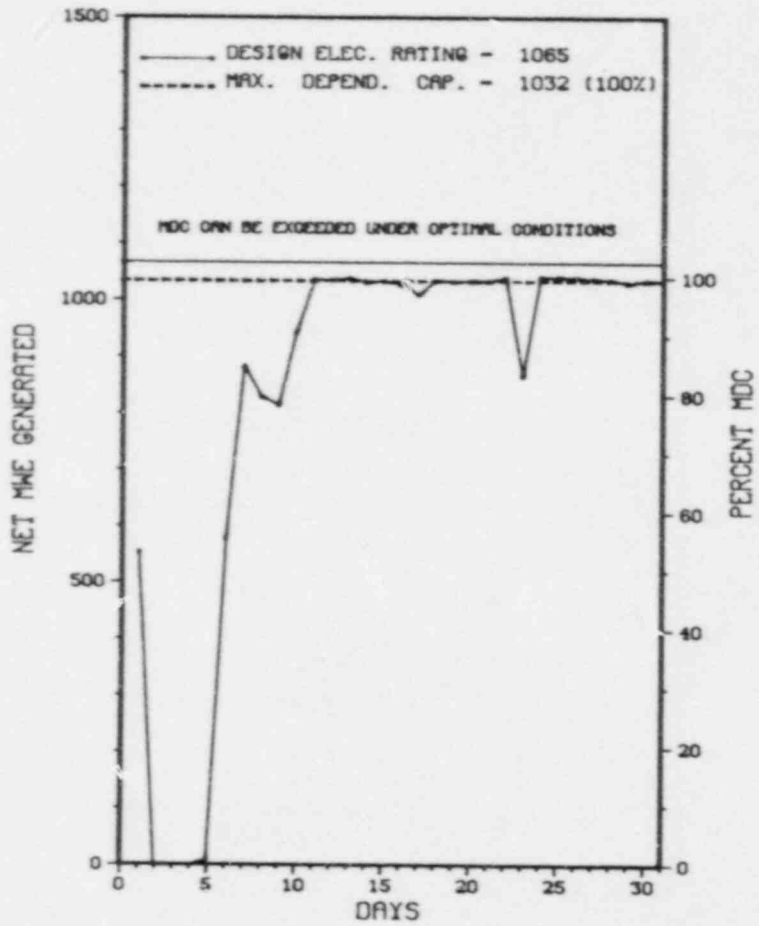
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

****
* SUSQUEHANNA 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

SUSQUEHANNA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	07/01/88	S	98.1	A	1		SB	H	ON JUNE 30, 1988, AT APPROXIMATELY 2130 HOURS, A SHIFT TECHNICAL ADVISOR (STA) DISCOVERED THAT THE U-BOLT HANGER TO THE NO.2 CONTROL VALVE OF THE MAIN STEAM SYSTEM WAS BROKEN. THE STA WAS MAKING A ROUTINE CHECK OF THE TV MONITOR MONITORING THE HANGER AND OBSERVED THAT THE HANGER WAS BROKEN. OPERATIONS PERSONNEL MANUALLY SHUTDOWN THE REACTOR BY INSERTING CONTROL RODS. THE SHUTDOWN WAS COMPLETED AT 0510 HOURS ON JULY 2, 1988. MAINTENANCE PERSONNEL REPAIRED THE HANGER. FOLLOWING THE REPAIR, OPERATORS BROUGHT THE UNIT CRITICAL AT 2156 HOURS ON JULY 4, 1988. THEY SYNCHRONIZED THE UNIT TO THE GRID AT 2140 HOURS ON JULY 5, 1988.
5	07/23/88	S	0.0	B	5		AD	ZZZZZZ	OPERATORS REDUCED RX POWER IN ORDER TO OBTAIN BASELINE APRM AND LPRM NEUTRON FLUX NOISE VALUES IN ACCORDANCE WITH SURVEILLANCE REQUIREMENT 4.4.1.1.1.4.

SUMMARY

SUSQUEHANNA 2 INCURRED ONE OUTAGE AND ONE LOAD REDUCTION DURING JULY AS DISCUSSED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* SUSQUEHANNA 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....LUZERNE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 8, 1984

DATE ELEC ENER 1ST GENER...JULY 3, 1984

DATE COMMERCIAL OPERATE....FEBRUARY 12, 1985

CONDENSER COOLING METHOD...CC,HNDCT

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT

CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....F. YOUNG

LICENSING PROJ MANAGER.....M. THADANI
DOCKET NUMBER.....50-388

LICENSE & DATE ISSUANCE....NPF-22, JUNE 27, 1984

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71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

1. Docket: 50-289 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: C. W. SMYTH (717) 948-8551
4. Licensed Thermal Power (MWt): 2535
5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871
6. Design Electrical Rating (Net MWe): 819
7. Maximum Dependable Capacity (Gross MWe): 824
8. Maximum Dependable Capacity (Net MWe): 776
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	121,968.0
13. Hours Reactor Critical	.0	3,991.4	50,511.8
14. Rx Reserve Shtdwn Hrs	.0	61.6	1,947.8
15. Hrs Generator On-Line	.0	3,988.9	49,588.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	10,064,153	120,551,853
18. Gross Elec Ener (MWH)	0	3,454,503	40,322,724
19. Net Elec Ener (MWH)	0	3,261,030	37,765,313
20. Unit Service Factor	.0	78.0	40.7
21. Unit Avail Factor	.0	78.0	40.7
22. Unit Cap Factor (MDC Net)	.0	82.2	39.7*
23. Unit Cap Factor (DER Net)	.0	77.9	37.8
24. Unit Forced Outage Rate	.0	1.6	54.5
25. Forced Outage Hours	.0	63.6	59,376.5

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

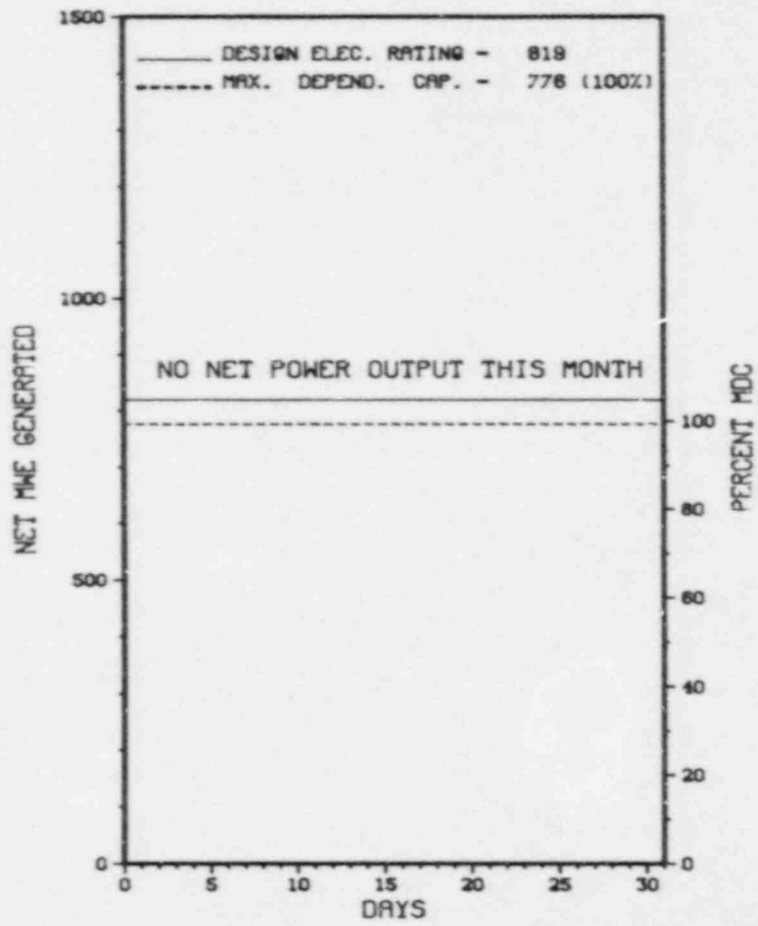
NONE

27. If Currently Shutdown Estimated Startup Date: 08/14/88

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

THREE MILE ISLAND 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

THREE MILE ISLAND 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	06/17/88	S	744.0	C	4				UNIT SHUTDOWN FOR REFUELING OUTAGE. OUTAGE COMMENCED 6/17/88. TOTAL NUMBER OF OUTAGE HOURS AS OF THIS REPORT PERIOD IS 1058.5.

SUMMARY

THREE MILE ISLAND 1 REMAINED SHUTDOWN IN JULY FOR SCHEDULED 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)

****
* THREE MILE ISLAND 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....DAUPHIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 5, 1974

DATE ELEC ENER 1ST GENER...JUNE 19, 1974

DATE COMMERCIAL OPERATE....SEPTEMBER 2, 1974

CONDENSER COOLING METHOD... COOLING TOWERS

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.

CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....R. CONTE

LICENSING PROJ MANAGER.....R. HERNAN
DOCKET NUMBER.....50-289

LICENSE & DATE ISSUANCE....DPR-50, APRIL 19, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
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FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

1. Docket: 50-344 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: F. J. UHMER (503) 556-3713 X495
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216
6. Design Electrical Rating (Net MWe): 1130
7. Maximum Dependable Capacity (Gross MWe): 1153
8. Maximum Dependable Capacity (Net MWe): 1095
9. If Changes Occur Above Since Last Report, Give Reasons:
MDC RATINGS DUE TO IMPROVED PLANT PERFORMANCE FROM UPGRADE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

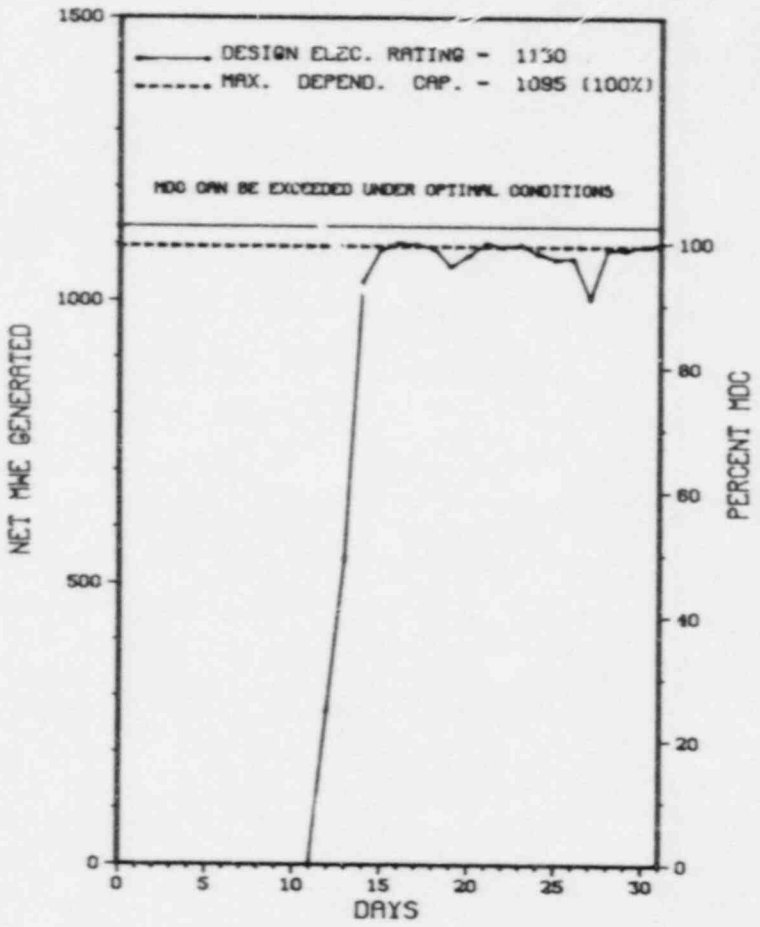
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	104,447.0
13. Hours Reactor Critical	521.5	2,866.1	65,211.1
14. Rx Reserve Shtdwn Hrs	.0	.0	3,875.4
15. Hrs Generator On-Line	479.8	2,822.0	63,493.2
16. Unit Reserve Shtdwn Hrs	.0	.0	3,237.0
17. Gross Therm Ener (MWH)	1,534,782	9,490,210	202,835,574
18. Gross Elec Ener (MWH)	509,875	3,202,338	66,090,409
19. Net Elec Ener (MWH)	479,921	3,042,667	62,541,944
20. Unit Service Factor	64.5	55.2	60.8
21. Unit Avail Factor	64.5	55.2	63.9
22. Unit Cap Factor (MDC Net)	58.9	54.4	54.7
23. Unit Cap Factor (DER Net)	57.1	52.7	53.0
24. Unit Forced Outage Rate	.0	4.4	13.5
25. Forced Outage Hours	.0	129.1	9,932.6

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A

****
* TROJAN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

****
* TROJAN *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-02	04/13/88	S	264.2	C	4				REFUELING OUTAGE.

****
* SUMMARY *
****

TROJAN COMPLETED SCHEDULED REFUELING IN JULY AND RETURNED TO 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)

****
* TROJAN *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON

COUNTY.....COLUMBIA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...32 MI N OF
PORTLAND, ORE

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 15, 1975

DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975

DATE COMMERCIAL OPERATE....MAY 20, 1976

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....COOLING TOWER

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC

CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....R. BARR

LICENSING PROJ MANAGER.....T. CHAN
DOCKET NUMBER.....50-344

LICENSE & DATE ISSUANCE....NPF-1, NOVEMBER 21, 1975

PUBLIC DOCUMENT ROOM.....LIBRARY ASSOCIATION OF PORTLAND
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97207

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON APRIL 21 - MAY 20, 1988 (REPORT NO. 50-344/88-16) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE SECURITY PROGRAM. THIS INSPECTION INCLUDED ACTIVITIES RELATED TO PHYSICAL PROTECTION AND CONSISTED OF SELECTIVE EXAMINATIONS OF PROCEDURES AND RECORDS, INTERVIEWS WITH FACILITY AND CONTRACTOR PERSONNEL, AND OBSERVATIONS BY THE INSPECTORS.

RESULTS: OF THE AREAS INSPECTED, THREE VIOLATIONS RELATED TO SECURITY ISSUES WERE IDENTIFIED.

+ INSPECTION ON MAY 8 - JUNE 18, 1988 (REPORT NO. 50-344/88-24) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE (CONTAINMENT LOCAL LEAK RATE TESTING), EVENT FOLLOW-UP, AND OPEN ITEM FOLLOW-UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: ONE VIOLATION WAS IDENTIFIED FOR A FAILURE TO FOLLOW PROCEDURAL REQUIREMENTS FOR WORK HOUR LIMITATIONS. NO GENERAL CONCLUSIONS REGARDING THE STRENGTHS OR WEAKNESSES OF THE PROGRAM AREAS INSPECTED WERE IDENTIFIED DURING THIS INSPECTION PERIOD.

+ INSPECTION ON JUNE 6 - 17, 1988 (REPORT NO. 50-344/88-26) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF COMMERCIAL GRADE PROCUREMENT AND INSERVICE INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: TWO VIOLATIONS WERE IDENTIFIED - USE OF AN UNAPPROVED PROCEDURE AND FAILURE TO PROVIDE PROCEDURES PRESCRIBING THE

INSPECTION SUMMARY

ENGINEERING EVALUATION PROCESS.

+ INSPECTION ON JUNE 27 - JULY 1, 1988 (REPORT NO. 50-344/88-27) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, CHEMISTRY CONTROLS, CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, ALARA AND REVIEW OF LICENSEE REPORTS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: ONE VIOLATION WAS IDENTIFIED IN ONE AREA - 10 CFR 50.59, FAILURE TO PERFORM A WRITTEN SAFETY EVALUATION.

+ INSPECTION ON JULY 11 - 15, 1988 (REPORT NO. 50-344/88-28) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S EMERGENCY PREPAREDNESS (EP) PROGRAM. THE INSPECTION INCLUDED FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; REVIEW OF EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION AND SUPPLIES; AND THE EXAMINATION OF THE EP TRAINING PROGRAM. THE INSPECTOR ALSO REVIEWED THE EP INVOLVEMENT IN THE 7/10/88 EVENT OF THE O-RING FAILURE ON THE SEAL INJECTION FILTER HOUSING.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 19 - JULY 30, 1988 (REPORT NO. 50-344/88-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 26 - OCTOBER 7, 1988 (REPORT NO. 50-344/88-30) INSPECTION TO COMMENCE IN SEPTEMBER, 1988.

+ INSPECTION ON JULY 18 - 22, 1988 (REPORT NO. 50-344/88-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 11 - 15, 1988 (REPORT NO. 50-344/88-32 REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 15 - 19, 1988 (REPORT NO. 50-344/88-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON AUGUST 22 - 26, 1988 (REPORT NO. 50-344/88-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 25 - 29, 1988 (REPORT NO. 50-344/88-35) REPORT CANCELLED.

ENFORCEMENT SUMMARY

FAILURE TO IMPLEMENT PROVISIONS OF AMENDMENT R022 TO LICENSE NO. NPF-1 FOR INSTALLATION OF FIRE DETECTORS IN THE RADWASTE STORAGE AREA, NEW FUEL AND SPENT FUEL POOL STORAGE AREAS.
(8801 1)

10 CFR PART 20.201(B) REQUIRES THAT EACH LICENSEE MAKE SUCH SURVEYS AS (1)ARE NECESSARY TO COMPLY WITH REGULATIONS IN 10 CFR 20 AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. AS DEFINED IN 10 CFR 20.201(A), "SURVEY" MEANS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. CONTRARY TO THE STATED REQUIREMENTS, ON MAY 8, 1988, NO SURVEY WAS MADE TO DETERMINE THE DIRECT DOSE TO A REACTOR OPERATOR'S HAND FROM HANDLING HIGHLY CONTAMINATED PLASTIC TUBING. THE DOSE FROM RESIDUAL CONTAMINATION FOUND ON HIS HAND WAS APPROPRIATELY EVALUATED.
(8802 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER LEVEL 100%.

LAST IE SITE INSPECTION DATE: 09/26 - 10/07/88+

INSPECTION REPORT NO: 50-344/88-30+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-14-LO	05-17-88	06-16-88	CONTAINMENT VENTILATION ISOLATION ON HIGH CONTAINMENT RADIOACTIVITY SIGNAL
88-16-LO	05-25-88	06-24-88	STEAM GEN WATER LEVEL INSTRUMENT HIGH-HIGH TRIP OUTSIDE TS ALLOWABLE VALUES
88-17-LO	06-05-88	07-05-88	HOURLY FIRE PATROLS FOR INOPERABLE FIRE BARRIERS MISSED
88-18-LO	06-06-88	07-06-88	EXCESSIVE UNFILTERED IN-LEAKAGE COULD HAVE PREVENTED CONTROL ROOM EMERGENCY VENTILATION SYSTEM FROM PERFORMING

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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 694-4432

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	137,240.6
13. Hours Reactor Critical	744.0	3,922.4	93,617.1
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	744.0	3,837.0	90,632.2
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	1,625,539	8,146,710	187,950,975
18. Gross Elec Ener (MWH)	518,910	2,635,370	60,233,371
19. Net Elec Ener (MWH)	494,465	2,492,452	56,971,238
20. Unit Service Factor	100.0	75.1	66.0
21. Unit Avail Factor	100.0	75.1	66.1
22. Unit Cap Factor (MDC Net)	99.8	73.2	63.7*
23. Unit Cap Factor (DER Net)	95.9	70.4	59.9
24. Unit Forced Outage Rate	.0	24.7	10.9
25. Forced Outage Hours	.0	1,258.1	10,505.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: N/A

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* TURKEY POINT 3 *
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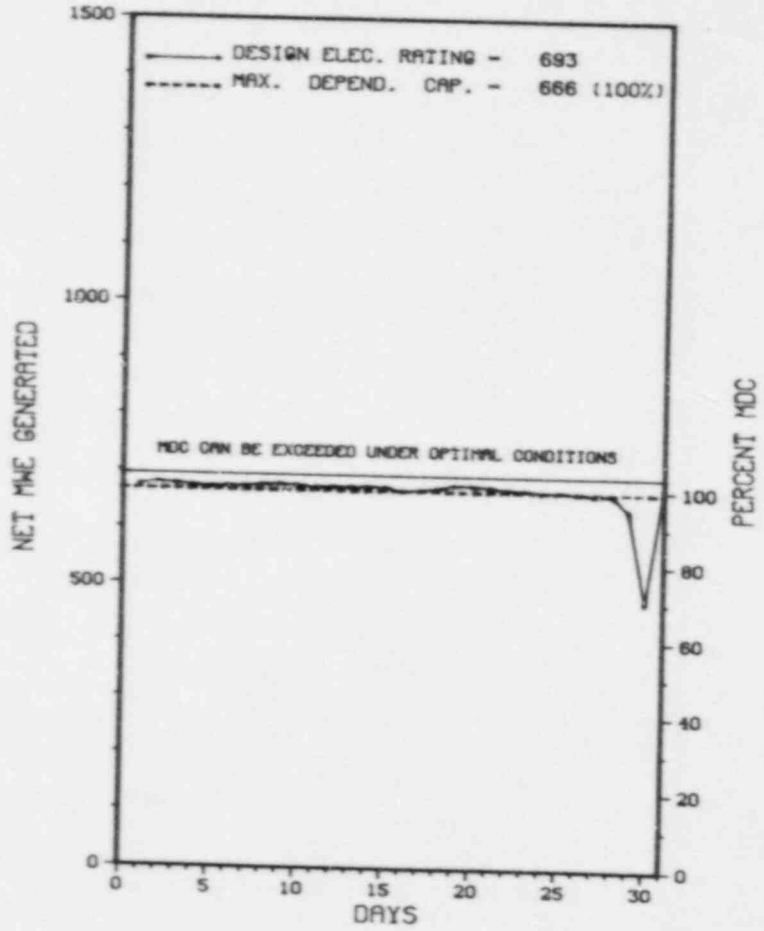
AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* TURKEY POINT 3 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
07	07/29/88	S	0.0	B	5		HA	VALVOP	UNIT NO.3 HAS REDUCED TO APPROXIMATELY 40% POWER TO PERFORM TURBINE VALVE TESTING.

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* SUMMARY *
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TURKEY POINT 3 INCURRED ONE LOAD REDUCTION DURING JULY AS DISCUSSED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* TURKEY POINT 3 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 20, 1972

DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972

DATE COMMERCIAL OPERATE....DECEMBER 14, 1972

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. BUTCHER

LICENSING PROJ MANAGER.....G. EDISON
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 25 - JUNE 3 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, FACILITY MODIFICATIONS, PLANT PHYSICAL SECURITY AND PLANTS EVENTS. ONE VIOLATION OF TS 6.8.1 WAS IDENTIFIED. FAILURE TO FOLLOW PROCEDURE, IN THAT DIESEL FUEL OIL TANK SUCTION VALVE 003 WAS FOUND LOCKED CLOSED WHEN REQUIRED TO BE LOCKED OPEN. ONE UNRESOLVED ITEM WAS IDENTIFIED, EVALUATE LICENSEE'S METHOD OF TESTING CHECK VALVES TO MEET THE REQUIREMENTS OF ASME BOILER AND PRESSURE VESSEL CODE, SECTION XI. ONE INSPECTOR FOLLOWUP ITEM WAS IDENTIFIED, RESOLUTION OF THE DIFFERENCES IN DOCUMENTATION ASSOCIATED WITH THE INTAKE COOLING WATER GAUGE ASSEMBLY'S MATERIALS.

INSPECTION JUNE 6-10 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF EMERGENCY PREPAREDNESS, AND INCLUDED REVIEW OF THE FOLLOWING PROGRAMMATIC ELEMENTS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES, (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES; (3) ORGANIZATION AND MANAGEMENT CONTROL; (4) TRAINING; AND (5) INDEPENDENT REVIEWS/AUDITS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND EFFECTIVELY TO A RADIOLOGICAL EMERGENCY AT THE TURKEY POINT PLANT.

INSPECTION JUNE 3-25 (88-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCES, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATONAL SAFETY, FACILITY MODIFICATIONS AND PLANT EVENTS. ONE VIOLATION OF 10 CFR 50, APPENDIX B, WAS IDENTIFIED. FAILURE TO CONTROL MATERIALS USED IN SAFETY RELATED SYSTEMS, IN THAT SOME GAUGE FITTINGS USED IN THE INTAKE COOLING WATER (ICW) SYSTEM WERE CARBON STEEL IN LIEU OF STAINLESS STEEL, (250, 251/88-14-01). TWO INSPECTOR FOLLOWUP ITEMS (IFIS) WERE IDENTIFED: EVALUATE THE

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* TURKEY POINT 3 *
****

INSPECTION SUMMARY

ROOT CAUSE OF USING A 20 AMPERE BREAKER INSTEAD OF THE REQUIRED 30 AMPERE BREAKER IN THE ALTERNATE POWER SUPPLY TO THE ROD POSITION INDICATOR (RPI) SYSTEM (IFI 250, 251/88-14-02); AND EVALUATE THE BASIS FOR SELECTING MAXIMUM STROKE TIMES FOR THE POWER OPERATED RELIEF VALVES (PORVS), (IFI 250,251/88-14-03).

INSPECTION JUNE 27 - JULY 1 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PLAN AND PROCEDURES; RECORDS AND REPORTS; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS, DETECTION AIDS - VITAL AREAS; TRAINING AND QUALIFICATION; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. IN THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED: FAILURE TO SUBMIT A PLAN CHANGE IN A TIMELY FASHION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.

FACILITY ITEMS (PLANS AND PROCEDURES):

PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 25, 1988 +

INSPECTION REPORT NO: 50-250/88-18 +

REPORTS FROM LICENSEE

TURKEY POINT 3

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-011	05/29/88	06/30/88	MISPOSITIONED DIESEL OIL TRANSFER VALVE DUE TO PERSONNEL ERROR RESULTS IN POTENTIAL LOSS OF LONG TERM FUEL SUPPLY TO EMERGENCY DIESEL GENERATOR
88-012	06/14/88	07/18/88	VERIFICATION OF FIRE DETECTION OPERABILITY NOT PERFORMED AS REQUIRED BY T.S. 3.14 DUE TO WEAKNESSES IN ADMINISTRATIVE CONTROLS OF PENETRATION SEAL SURVEILLANCE TEST

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1. Docket: 50-251 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: N. W. GRANT (305) 694-4432
4. Licensed Thermal Power (MWt): 2200
5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760
6. Design Electrical Rating (Net MWe): 693
7. Maximum Dependable Capacity (Gross MWe): 700
8. Maximum Dependable Capacity (Net MWe): 666
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	130,968.0
13. Hours Reactor Critical	744.0	3,989.9	89,176.6
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	744.0	3,935.3	86,148.7
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	1,613,332	8,448,854	181,913,477
18. Gross Elec Ener (MWH)	516,005	2,758,110	58,057,934
19. Net Elec Ener (MWH)	491,765	2,616,173	54,938,004
20. Unit Service Factor	100.0	77.0	65.8
21. Unit Avail Factor	100.0	77.0	65.8
22. Unit Cap Factor (MDC Net)	99.2	76.9	64.3*
23. Unit Cap Factor (DER Net)	95.4	73.9	60.5
24. Unit Forced Outage Rate	.0	23.0	11.5
25. Forced Outage Hours	.0	1,174.5	10,7[illegible]

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING - 9/17/88 - 105 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: N/A

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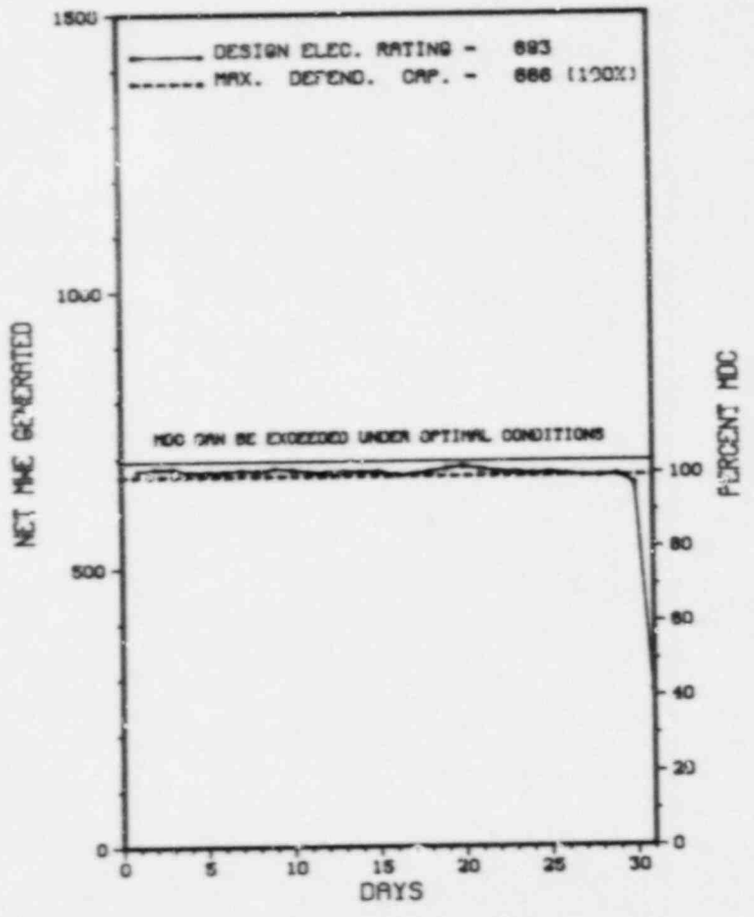
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



JULY 1988

* Item calculated with a Weighted Average

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1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: N. H. GRANT (305) 694-4432

4. Licensed Thermal Power (MWt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	130,968.0
13. Hours Reactor Critical	744.0	3,989.9	89,176.6
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	744.0	3,935.3	86,148.7
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	1,613,332	8,448,854	181,913,477
18. Gross Elec Ener (MWH)	516,005	2,758,110	58,057,934
19. Net Elec Ener (MWH)	491,703	2,616,173	54,938,004
20. Unit Service Factor	100.0	77.0	65.8
21. Unit Avail Factor	100.0	77.0	65.8
22. Unit Cap Factor (MDC Net)	99.2	76.9	64.3*
23. Unit Cap Factor (DER Net)	95.4	73.9	60.5
24. Unit Forced Outage Rate	.0	23.0	11.5
25. Forced Outage Hours	.0	1,174.5	10,755.4

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING - 9/17/88 - 105 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: N/A

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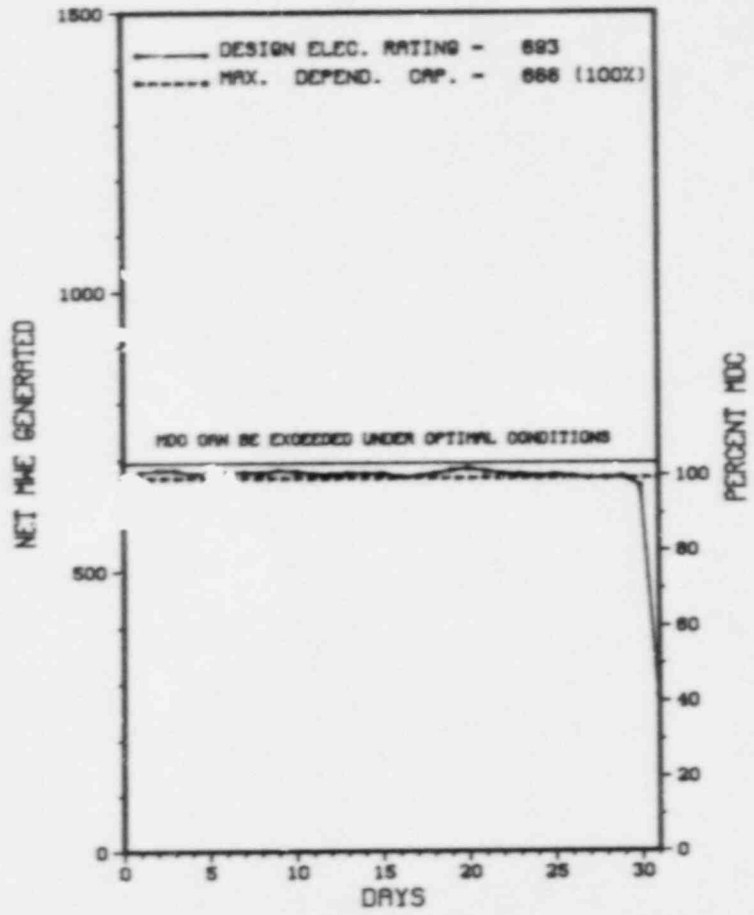
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

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* TURKEY POINT 4 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
09	07/30/88	S	0.0	B	5		HA	VALVOP	UNIT NO.4 WAS REDUCED TO APPROXIMATELY 50% POWER TO PERFORM TURBINE VALVE TESTING. WHILE THE UNIT WAS AT REDUCED POWER, A LEAK IN THE 4A CONDENSER WATERBOX WAS REPAIRED.

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* SUMMARY *
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TURKEY POINT 4 INCURRED ONE LOAD REDUCTION DURING JULY TO PERFORM TURBINE VALVE 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 (LER) File (NUREG-0161)
		9-Other	

****
* TURKEY POINT 4 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 11, 1973

DATE ELEC ENER 1ST GENER...JUNE 21, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 7, 1973

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....CLOSED CYCLE CANAL

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT

CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. BUTCHER

LICENSING PROJ MANAGER.....G. EDISON
DOCKET NUMBER.....50-251

LICENSE & DATE ISSUANCE....DPR-41, APRIL 10, 1973

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MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION APRIL 25 - JUNE 3 (88-11): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, FACILITY MODIFICATIONS, PLANT PHYSICAL SECURITY AND PLANTS EVENTS. ONE VIOLATION OF TS 6.8.1 WAS IDENTIFIED. FAILURE TO FOLLOW PROCEDURE, IN THAT DIESEL FUEL OIL TANK SUCTION VALVE 003 WAS FOUND LOCKED CLOSED WHEN REQUIRED TO BE LOCKED OPEN. ONE UNRESOLVED ITEM WAS IDENTIFIED, EVALUATE LICENSEE'S METHOD OF TESTING CHECK VALVES TO MEET THE REQUIREMENTS OF ASME BOILER AND PRESSURE VESSEL CODE, SECTION XI. ONE INSPECTOR FOLLOWUP ITEM WAS IDENTIFIED, RESOLUTION OF THE DIFFERENCES IN DOCUMENTATION ASSOCIATED WITH THE INTAKE COOLING WATER GAUGE ASSEMBLY'S MATERIALS.

INSPECTION JUNE 6-10 (88-12): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF EMERGENCY PREPAREDNESS, AND INCLUDED REVIEW OF THE FOLLOWING PROGRAMMATIC ELEMENTS: (1) EMERGENCY PLAN AND IMPLEMENTING PROCEDURES; (2) EMERGENCY FACILITIES, EQUIPMENT, INSTRUMENTATION, AND SUPPLIES; (3) ORGANIZATION AND MANAGEMENT CONTROL; (4) TRAINING; AND (5) INDEPENDENT REVIEWS/AUDITS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. THE FINDINGS OF THIS INSPECTION APPEARED TO INDICATE THAT THE LICENSEE WAS PREPARED TO RESPOND EFFECTIVELY TO A RADIOLOGICAL EMERGENCY AT THE TURKEY POINT PLANT.

INSPECTION JUNE 3-25 (88-14): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED DIRECT INSPECTION AT THE SITE, INCLUDING BACKSHIFT INSPECTION, IN THE AREAS OF ANNUAL AND MONTHLY SURVEILLANCES, MAINTENANCE OBSERVATIONS AND REVIEWS, ENGINEERED SAFETY FEATURES, OPERATIONAL SAFETY, FACILITY MODIFICATIONS AND PLANT EVENTS. ONE VIOLATION OF 10 CFR 50, APPENDIX B, WAS IDENTIFIED. FAILURE TO CONTROL MATERIALS USED IN SAFETY RELATED SYSTEMS, IN THAT SOME GAUGE FITTINGS USED IN THE INTAKE COOLING WATER (ICW) SYSTEM WERE CARBON STEEL IN LIEU OF STAINLESS STEEL, (250, 251/88-14-01). TWO INSPECTOR FOLLOWUP ITEMS (IFIS) WERE IDENTIFED: EVALUATE THE

INSPECTION SUMMARY

ROOT CAUSE OF USING A 20 AMPERE BREAKER INSTEAD OF THE REQUIRED 30 AMPERE BREAKER IN THE ALTERNATE POWER SUPPLY TO THE ROD POSITION INDICATOR (RPI) SYSTEM (IFI 250, 251/88-14-02); AND EVALUATE THE BASIS FOR SELECTING MAXIMUM STROKE TIMES FOR THE POWER OPERATED RELIEF VALVES (PORVS), (IFI 250,251/88-14-03).

INSPECTION JUNE 27 - JULY 1 (88-16): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF SECURITY PLAN AND PROCEDURES; RECORDS AND REPORTS; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; ASSESSMENT AIDS, DETECTION AIDS - VITAL AREAS; TRAINING AND QUALIFICATION; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION. IN THE AREAS INSPECTED ONE VIOLATION WAS IDENTIFIED: FAILURE TO SUBMIT A PLAN CHANGE IN A TIMELY FASHION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

SELECT SAFETY SYSTEM OPERABILITY REVIEW IN PROGRESS.

FACILITY ITEMS (PLANS AND PROCEDURES):

PROCEDURE UPGRADE PROGRAM (PUP) IN PROGRESS.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 25, 1988 +

INSPECTION REPORT NO: 50-250/88-18 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-271 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: G. A. HALLIN (802) 257-7711 X2272
4. Licensed Thermal Power (MWt): 1593
5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563
6. Design Electrical Rating (Net MWe): 514
7. Maximum Dependable Capacity (Gross MWe): 535
8. Maximum Dependable Capacity (Net MWe): 504
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

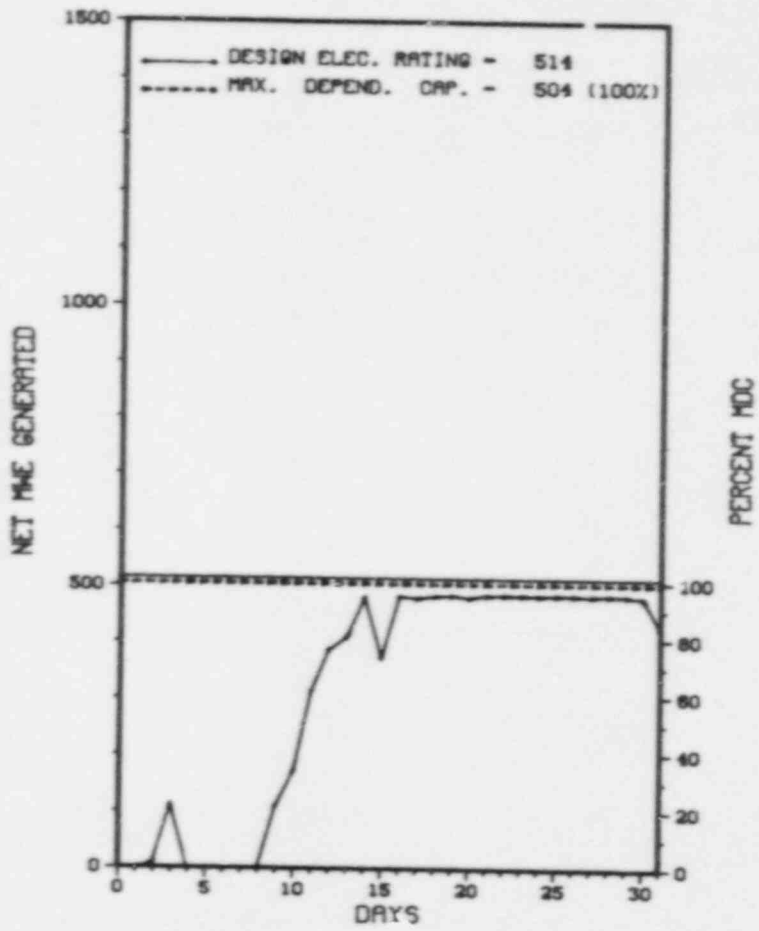
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	139,033.8
13. Hours Reactor Critical	607.3	4,898.5	109,653.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	567.0	4,764.3	107,054.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	804,084	7,407,500	157,148,198
18. Gross Elec Ener (MWH)	257,669	2,476,105	52,316,049
19. Net Elec Ener (MWH)	240,794	2,361,251	49,656,338
20. Unit Service Factor	76.2	93.2	77.0
21. Unit Avail Factor	76.2	93.2	77.0
22. Unit Cap Factor (MDC Net)	64.2	91.7	70.9
23. Unit Cap Factor (DER Net)	63.0	89.9	69.5
24. Unit Forced Outage Rate	19.2	3.3	6.2
25. Forced Outage Hours	134.7	162.9	5,755.4

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



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

VERMONT YANKEE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	06/24/88	S	41.5	B	4		ZZ	ZZZZZZ	SCHEDULED SHUTDOWN TO PERFORM PREVENTATIVE AND CORRECTIVE MAINTENANCE.
88-08	07/02/88	S	1.2	B	1				TURBINE OVERSPEED TESTING.
88-09	07/03/88	F	134.3	B	1		HH	HTEXCH	STEAM LEAK ON THE 3B LOW PRESSURE HEATER EXTRACTION LINE CAUSED BY INTERNAL EROSION. THE EXTRACTION LINE WAS REINFORCED WITH A WELDED SLEEVE.
88-10	07/12/88	S	0.0	H	5		RB	CONROD	ROD PATTERN ADJUSTMENT.
88-11	07/15/88	F	0.0	B	5		CH	XXXXXX	LEAK ON THE 2A FEEDWATER HEATER SIGHT GLASS GASKET AREA. THE SIGHT GLASS WAS REMOVED AND THE LINE WAS CAPPED.
88-12	07/31/88	S	0.0	B	5		RB	ZZZZZZ	POWER REDUCTION FOR TURBINE BYPASS VALVE TESTING.
88-13	07/31/88	S	0.0	H	5		RB	CONROD	POWER REDUCTION FOR A CONTROL ROD PATTERN ADJUSTMENT.

SUMMARY

VERMONT YANKEE ENTERED MONTH SHUTDOWN AND WHILE RETURNING TO POWER INCURRED TWO OUTAGES AND FOUR LOAD REDUCTIONS FOR REASONS STATED 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 (LER) File (NUREG-0161)
			9-Other	

****
* VERMONT YANKEE 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE....NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CONNECTICUT RIVER

ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....RD #5, BOX 169, FERRY ROAD
BRATTLEBORO, VERMONT 05301

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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: 50-424 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: S. C. DILWORTH (404) 724-8114 X3870
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1157
6. Design Electrical Rating (Net MWe): 1101
7. Maximum Dependable Capacity (Gross MWe): 1133
8. Maximum Dependable Capacity (Net MWe): 1079
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	10,248.0
13. Hours Reactor Critical	700.7	4,389.6	8,457.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	654.7	4,277.3	8,197.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,220,349	14,312,912	26,973,850
18. Gross Elec Ener (MWH)	724,510	4,753,730	8,937,620
19. Net Elec Ener (MWH)	684,870	4,489,460	8,410,980
20. Unit Service Factor	88.0	83.7	80.0
21. Unit Avail Factor	88.0	83.7	80.0
22. Unit Cap Factor (MDC Net)	85.3	81.4	76.1
23. Unit Cap Factor (DER Net)	83.6	79.8	74.5
24. Unit Forced Outage Rate	12.0	15.5	17.4
25. Forced Outage Hours	89.3	786.6	1,730.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

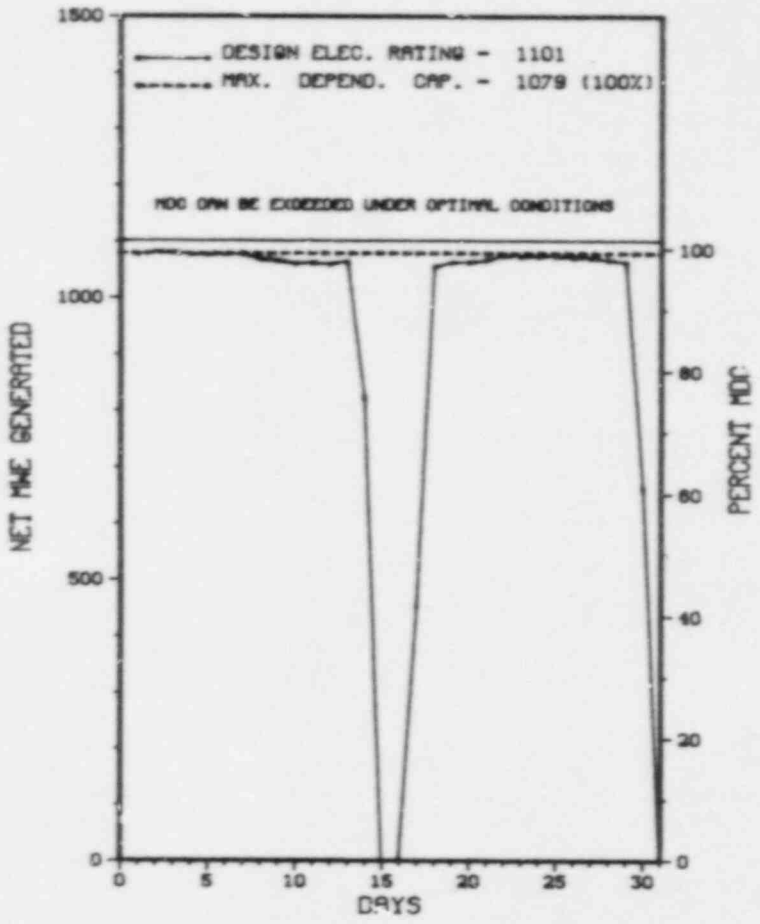
REFUELING - OCTOBER 7, 1988 - 44 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: 08/02/88

VOGTLE 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VOGTLE 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

VOGTLE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-9	07/14/88	F	57.2	A	3		TL	XPT	FAILURE OF A POTENTIAL TRANSFORMER (2A) CAUSED A PRIMARY SIDE FUSE TO FAIL. THE RESULTANT TRANSIENT CAUSED THE GENERREX VOLTAGE REGULATOR TO INCREASE GENERATOR VOLTAGE TO THE VOLTS/HERTZ RELAY TRIP SETPOINT, WHICH SUBSEQUENTLY INITIATED A GENERATOR/ TURBINE/REACTOR TRIP.
88-10	07/30/88	F	28.3	A	3		FK	INS	FAILURE OF A CONNECTION POINT ON DISCONNECT SWITCH NO.161716 FOR PHASE "A". THE CONNECTION WAS BELIEVED TO BE LOOSE, CAUSING ARCING AND A HOT SPOT, WHICH RESULTED IN THE FAILURE OF THE INSULATOR CREATING A DIRECT PATH TO GROUND. THE CABLE MELTED AT THE DISCONNECT SWITCH AND SEPARATED.
88-11	07/31/88	F	3.8	H	3		AA	ECBD	REACTOR TRIP WAS DUE TO A NEGATIVE FLUX RATE. A THUNDERSTORM WAS IN PROGRESS AND LIGHTNING STRUCK THE CONTAINMENT BUILDING. A POWER SURGE TO THE CONTROL ROD DRIVE SYSTEM RESULTED IN A LOSS OF POWER AND ALL RODS INSERTED.

SUMMARY

VOGTLE 1 INCURRED THREE FORCED OUTAGES DURING JULY AS DISCUSSED ABOVE.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....BURKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...23 MI SSE OF
AUGUSTA, GA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 9, 1987

DATE ELEC ENER 1ST GENER...MARCH 27, 1987

DATE COMMERCIAL OPERATE....JUNE 1, 1987

CONDENSER COOLING METHOD...CCCT

CONDENSER COOLING WATER....SAVANNAH RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

CORPORATE ADDRESS.....333 PIEDMONT AVENUE, N.E., P. O. BOX 4545
ATLANTA, GEORGIA 30302

CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES & BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE II

IE RESIDENT INSPECTOR.....J. ROGGE

LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-424

LICENSE & DATE ISSUANCE....NPF-68, MARCH 16, 1987

PUBLIC DOCUMENT ROOM.....BURKE COUNTY LIBRARY
412 FOURTH ST.
WAYNESBORO, GA. 30830

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION MAY 16-19 (88-22): THIS ROUTINE, UNANNOUNCED INSPECTION WAS IN THE AREAS OF ELECTRICAL CABLES, RACEWAYS, TERMINATIONS INSTALLATION RECORDS, INSTRUMENTATION TRANSMITTERS, ASSOCIATED SENSING LINES, AS-BUILD DRAWINGS, AND AN EMPLOYEE CONCERN. NO MAJOR WEAKNESSES WERE FOUND IN THE AREAS OF INSTRUMENTATION INSTALLATION AND TESTING. THE PROCEDURES APPEARED ADEQUATE TO INSTALL AND TEST INSTRUMENT LOOPS AS EVIDENCED BY THE DOCUMENTATION AND QA RECORDS. ALL RECORDS REVIEWED WERE COMPLETE AND ADEQUATELY REVIEWED. A PROBLEM IDENTIFIED IN THE EMPLOYEE CONCERN PORTION OF THIS REPORT WAS SUBSEQUENTLY RESOLVED AS NOTED. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JUNE 6-10 (88-23): THIS ROUTINE, UNANNOUNCED INSPECTION WAS CONDUCTED IN THE AREAS OF CONTAINMENT PENETRATIONS, HOUSEKEEPING AND MATERIALS CONTROL ACTIONS ON PREVIOUS INSPECTION FINDINGS AND LICENSEE IDENTIFIED ITEMS (50.55(E)). IN THE AREAS INSPECTED, VIOLATIONS OR DEVIATIONS WERE NOT IDENTIFIED. PROGRAMMATIC STRENGTHS WERE DEMONSTRATED IN MANAGEMENT INVOLVEMENT IN ASSURING QUALITY AND RESPONSIVENESS TO NRC INITIATIVES. HOWEVER, THE POTENTIAL FOR WEAKNESS RELATIVE TO RESOLUTION OF TECHNICAL ISSUES IS INDICATED BY NEW UNRESOLVED ITEM (UNR) 425/88-33-01, AN ADDITIONAL EXAMPLE OF CONDITIONS WHICH CAUSED VIOLATION 424/88-05-02 AND NEED FOR ADDITIONAL TECHNICAL RESPONSE TO UNR 424/88-03-03, 425/88-02-03.

INSPECTION JUNE 7 - JULY 1 (88-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED RESIDENT INSPECTION IN THE FOLLOWING AREAS: PLANT OPERATIONS, RADIOLOGICAL CONTROLS, MAINTENANCE, SURVEILLANCE, FIRE PROTECTION, SECURITY, AND QUALITY PROGRAMS AND ADMINISTRATIVE CONTROLS AFFECTING QUALITY. TWO LICENSEE IDENTIFIED VIOLATIONS WERE IDENTIFIED IN WHICH NO NOTICE WAS ISSUED: FAILURE TO PERFORM STROKE TIME TESTING ON FOUR CONTAINMENT ISOLATION VALVES, AND FAILURE TO PERFORM SURVEILLANCE ON CONTAINMENT RADIATION MONITORS.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JULY 29, 1988 +

INSPECTION REPORT NO: 50-424/88-31 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-019	06/10/88	07/05/88	INADEQUATE INSTALLATION LEADS TO CONTAINMENT VENTILATION ISOLATIONS

1. Docket: 50-397 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: LEONARD HUTCHISON (509) 377-2486
4. Licensed Thermal Power (MWt): 3323
5. Nameplate Rating (Gross MWe): 1201
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1140
8. Maximum Dependable Capacity (Net MWe): 1095
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	31,831.2
13. Hours Reactor Critical	744.0	3,167.7	23,074.8
14. Rx Reserve Shtdwn Hrs	.0	.0	340.4
15. Hrs Generator On-Line	744.0	3,010.9	22,152.8
16. Unit Reserve Shtdwn Hrs	.0	.0	381.7
17. Gross Therm Ener (MWH)	2,419,200	9,294,934	59,677,701
18. Gross Elec Ener (MWH)	792,440	3,084,600	19,901,740
19. Net Elec Ener (MWH)	764,764	2,976,623	19,144,575
20. Unit Service Factor	100.0	58.9	69.6
21. Unit Avail Factor	100.0	58.9	70.8
22. Unit Cap Factor (MDC Net)	93.9	53.2	54.9
23. Unit Cap Factor (DER Net)	93.4	52.9	54.7
24. Unit Forced Outage Rate	.0	19.1	9.6
25. Forced Outage Hours	.0	709.2	2,354.3

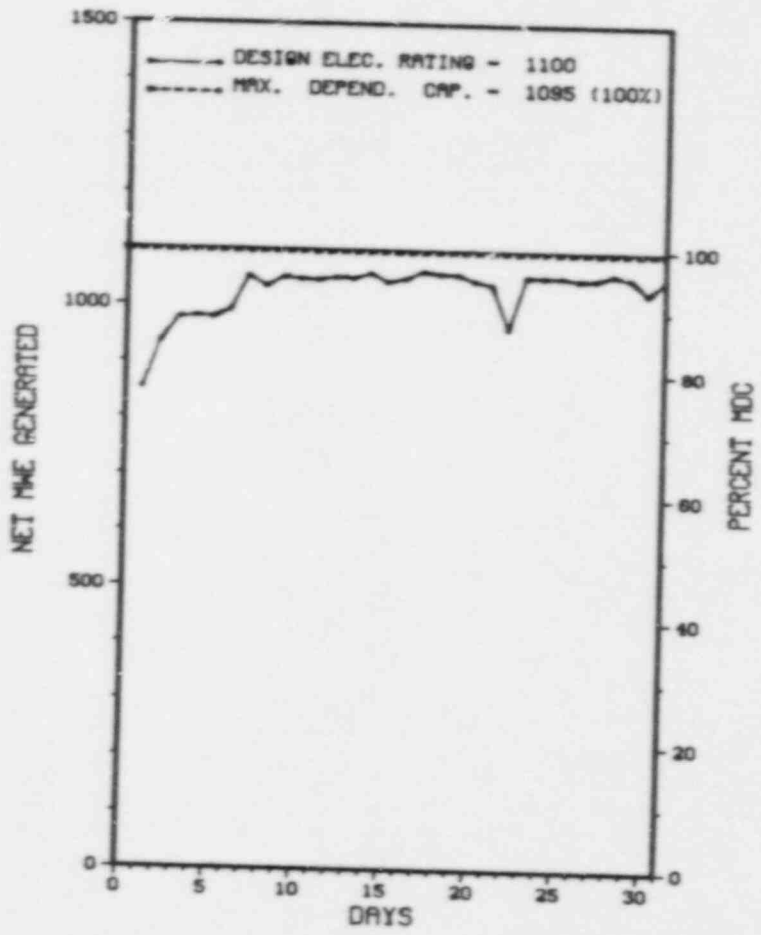
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

****
* WASHINGTON NUCLEAR 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* WASHINGTON NUCLEAR 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
NONE									

****
* SUMMARY *
****

WNP-2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* WASHINGTON NUCLEAR 2 *
****

F A C I L I T Y D A T A

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON

COUNTY.....BENTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI. NW OF
RICHLAND, WASH.

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 19, 1984

DATE ELEC ENER 1ST GENER...MAY 27, 1984

DATE COMMERCIAL OPERATE....DECEMBER 13, 1984

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....MECHANICAL TOWERS

ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM

CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352

CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....C. BOSTED

LICENSING PROJ MANAGER.....R. SAMWORTH
DOCKET NUMBER.....50-397

LICENSE & DATE ISSUANCE....NPF-21, APRIL 13, 1984

PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

+ INSPECTION ON JUNE 1, 1987 - MAY 31, 1988 (REPORT NO. 50-397/88-08) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE. SENT TO HEADQUARTERS JULY 20, 1988.

+ INSPECTION ON JUNE 6 - 13, 1988 (REPORT NO. 50-397/88-16) AREAS INSPECTED: ANNOUNCED, SPECIAL SAFETY INSPECTION CONDUCTED TO FOLLOW-UP ON FIRE PROTECTION PROGRAM COMPLIANCE AND PREVIOUSLY IDENTIFIED OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: OF THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

+ INSPECTION ON JUNE 16 - JULY 15, 1988 (REPORT NO. 50-397/88-17) AREAS INSPECTED: UNANNOUNCED, ROUTINE PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL; DETECTION AIDS; ALARM STATIONS; COMMUNICATIONS; PERSONNEL TRAINING AND QUALIFICATIONS PLAN; SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW AND FOLLOW-UP. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED.

RESULTS: IN THE AREAS INSPECTED, THE LICENSEE'S PROGRAMS APPEARED ADEQUATE TO ACCOMPLISH THEIR SECURITY OBJECTIVES. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED EXCEPT AS FOLLOWS: DETECTION AIDS - PROTECTED AREAS: LACK OF REQUIRED SENSITIVITY ON CERTAIN ZONES OF PERIMETER INTRUSION DETECTION SYSTEM. RECORDS AND REPORTS: FAILURE TO LOG A SECURITY EVENT AS REQUIRED BY 10 CFR 73.71 (C)

INSPECTION SUMMARY

+ INSPECTION ON MAY 20 - JULY 7, 1988 (REPORT NO. 50-397/88-21) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON AUGUST 22 - SEPTEMBER 2, 1988 (REPORT NO. 50-397/88-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON JULY 19 -22, 1988 (REPORT NO. 50-397/88-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON JULY 18 - 22, 1988 (REPORT NO. 50-397/88-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
+ INSPECTION ON JULY 8 - AUGUST 9, 1988 (REPORT NO. 50-397/88-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES)

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED FULL POWER OPERATION DURING JULY.

LAST IE SITE INSPECTION DATE: 08/22 - 09/02/88+

INSPECTION REPORT NO: 50-397/88-24+

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-11-LO	05-01-88	05-31-88	RPS LOW LEVEL ACTUATION DURING SHUTDOWN COOLING SYSTEM LINEUP
88-12-LO	05-06-88	06-06-88	PART-21 ON POTENTIAL UNMONITORED EFFLUENT RELEASE PATH DUE TO DESIGN ERROR BA A/E
88-12-LO	05-06-88	06-06-88	POTENTIAL UNMONITORED RELEASED PATH DUE TO DESIGN ERROR BY ARCHITECT-ENGINEER
88-13-LO	05-12-88	06-13-88	NSSSS ISOLATIONS CAUSED BY EPA BREAKER-UV TRIPS DUE TO LIGHTNING STRIKES
88-14-LO	05-12-88	06-28-88	VOLUNTARY REPORT OF RWCW SYSTEM RES SPILL DUE TO VALVES BEING OPEN-CAUSE UNKNOWN
88-15-LO	05-15-88	06-14-88	NSSSS ISOLATIONS CAUSED BY INADVERTENT DE-ENERGIZATION OF RPS BUS 'A' POWER SUPPLY
88-16-LO	05-11-88	06-17-88	RPS ACTUATION CAUSED BY APRM MONITOR HIGH POWER TRIP ALTHOUGH NOT REAL
88-17-LO	06-15-88	06-20-88	PART-21 ON LIMITORQUE MTR OPERATOR SAFETY HAZARD CAUSED BY TORQUE SWITCH FAILURES
88-18-LO	05-22-88	06-21-88	DIESEL GEN #2 INOP DUE TO CONTROL POWER TRANSFER SWITCH IN MID-POSITION
88-19-LO	05-20-88	06-27-88	CONTROL ROOM EMERGENCY FILTRATION SYS ACTUATION DURING TESTING
88-20-LO	05-27-88	06-24-88	SURVEILLANCE FOR RPV LEVEL SWITCH CHANNEL FUNCTIONAL TEST AND CALIBRATION PERFORMED LATE
88-21-LO	05-30-88	06-29-88	NSSSS GROUP 6 ISOLATION DUE TO DE-ENERGIZATION OF THE TRIP LOGIC CIRCUIT

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1. Docket: 50-382 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.2

3. Utility Contact: GEORGE MILLER (504) 467-8211

4. Licensed Thermal Power (MWt): 3390

5. Nameplate Rating (Gross MWe): 1153

6. Design Electrical Rating (Net MWe): 1104

7. Maximum Dependable Capacity (Gross MWe): 1120

8. Maximum Dependable Capacity (Net MWe): 1075

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	25,008.0
13. Hours Reactor Critical	744.0	3,604.9	19,709.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	737.5	3,467.8	19,282.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,304,929	11,100,953	62,561,925
18. Gross Elec Ener (MWH)	759,570	3,721,010	21,101,820
19. Net Elec Ener (MWH)	721,871	3,527,028	20,059,486
20. Unit Service Factor	99.1	67.8	77.1
21. Unit Avail Factor	99.1	67.8	77.1
22. Unit Cap Factor (MDC Net)	90.3	64.2	74.6
23. Unit Cap Factor (DER Net)	87.9	62.5	72.7
24. Unit Forced Outage Rate	.9	4.3	8.9
25. Forced Outage Hours	6.5	157.2	1,886.0

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

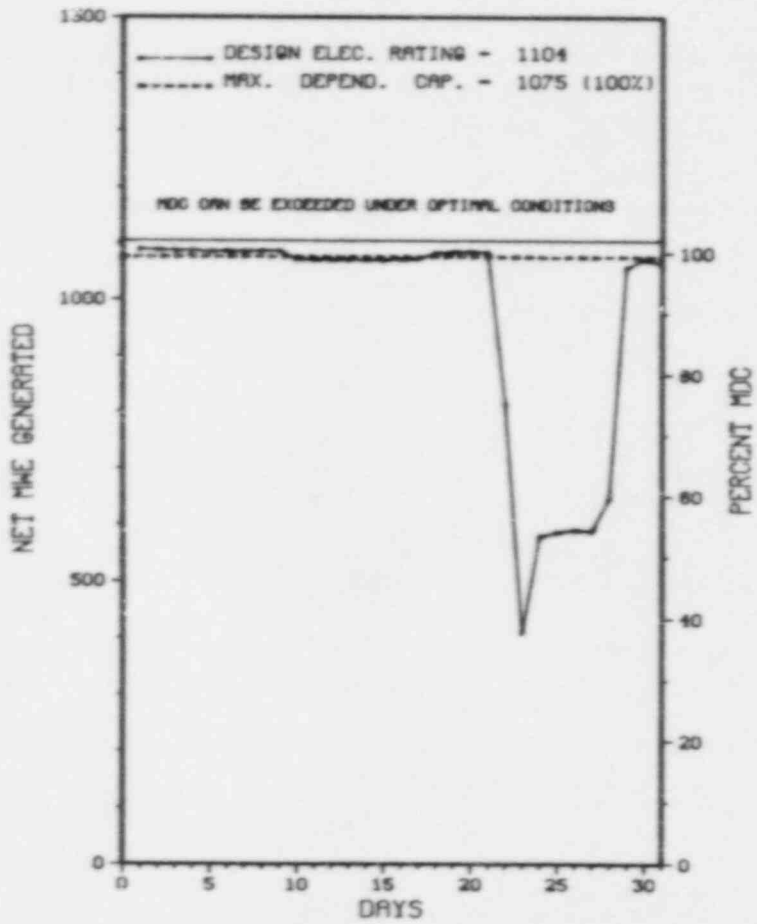
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

****
* WATERFORD 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



JULY 1988

Report Period JUL 1988

U N I T S H U T D O W N S / R E D U C T I O N S

WATERFORD 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
88-07	07/22/88	F	0.0	H	5		SJ	P	UNIT LOAD REDUCTION DUE TO HIGH VIBRATION ON A STEAM GENERATOR FEED PUMP.
88-08	07/22/88	F	6.5	H	9		TA	V	TURBINE TRIP RESULTING FROM A FLUID LEAK IN THE HYDRAULIC CONTROL SYSTEM FOR THE TURBINE VALVES. NO REACTOR TRIP OCCURRED.

*** SUMMARY ***

WATERFORD 3 INCURRED ONE LOAD REDUCTION AND ONE FORCED OUTAGE DURING JULY AS DISCUSSED ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

****
* WATERFORD 3 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA

COUNTY.....ST CHARLES

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI W OF
NEW ORLEANS, LA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 4, 1985

DATE ELEC ENER 1ST GENER...MARCH 18, 1985

DATE COMMERCIAL OPERATE....SEPTEMBER 24, 1985

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....LOUISIANA POWER & LIGHT

CORPORATE ADDRESS.....142 DELARONDE STREET
NEW ORLEANS, LOUISIANA 70174

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....T. STAKER

LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-382

LICENSE & DATE ISSUANCE....NPF-38, MARCH 16, 1985

PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70148

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 1-JUNE 17, 1988 (88-13) ROUTINE, UNANNOUNCED INSPECTION CONSISITING OF MONTHLY MAINTENANCE OBSERVA-TION, VERIFICATION OF CONTAINMENT INTEGRITY, ONSITE FOLLOW-UP OF EVENTS, OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE OBSERVATION, FOLLOW-UP OF PREVIOUSLY IDENTIFIED ITEMS, LICNESEE EVENT REPORT FOLLOWUP, CONTAIN-MENT INTEGRATED LEAK RATE TEST, REFUELING ACTIVITY OBSERVATIONS, STARTUP TESTING OBSERVATIONS, EMERGENCY DIESEL GENERATOR INSPECTION, AND PLANT STATUS. WITHIN THE AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED. A POTENTIAL VIOLATION INVOLVING TWO EXAMPLES OF FAILURE TO IMPLEMENT PRO-CEDURES WAS IDENTIFIED. ALSO A POTENTIAL DEVIATION INVOLVING TWO EXAMPLES OF FAILURE TO IMPLEMENT COMMITMENTS MADE IN THE LICENSEE'S RESPONSE TO GENERIC LETTER 87-12.

INSPECTION CONDUCTED MAY 23-27, 1988 (88-14) OUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S TESTING AND MAINTENANCE PROGRAM, FACILITY LIGHTING, SECURITY TRAINING AND QUALIFICATION PLAN, AND THE SAFEGUARDS INFORMATION PROGRAM. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE OPEN ITEM IS IDENTIFIED IN PARAGRAPH 2 OF THIS REPORT.

INSPECTION CONDUCTED MAY 16-20, JUNE 6-9, 1988 (88-15) ROUTINE, UNANNOUNCED INSPECTION OF THE INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES. SUBJECT ACTIVITIES REVIEWED IN THIS AREA OF THE INSPECTION INSPECTION INCLUDED TRACKING METHODOLY FOR INSERVICE TESTING. TEST PRO-CEDURES AND RESULTS, INSERVICE TESTING TREND REPORTS, QUALITY ASSURANCE AUDITS, WITNESSING OF INSERVICE TESTS, AND REVIEW OF POTENTIAL REPORTABLE EVENT. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTI-FIED.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

PURSUANT TO NRC BULLETINE 88-05, THE LICENSEE HAS FOUND 248 WJM FLANGES INSTALLED SAFETY SYSTEMS. OVER HALF HAVE BEEN TESTED AS OF THIS UPDATE. THREE FROM ESSENTIAL CHILLED WATER AND ALL SAFETY VALVES WERE BELOW THE REQUIRED HARDNESS AND TENSILE STRENGTH. HOWEVER ANALYSES SHOW THEM NOT TO BE AN OPERATIONAL PROBLEM.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT AT FULL POWER

LAST IE SITE INSPECTION DATE: JUNE 17, 1988

INSPECTION REPORT NO: 50-382/88-13

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-482 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: M. WILLIAMS (316) 364-8831
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1250
6. Design Electrical Rating (Net MWe): 1170
7. Maximum Dependable Capacity (Gross MWe): 1170
8. Maximum Dependable Capacity (Net MWe): 1128
9. If Changes Occur Above Since Last Report, Give Reasons:

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	25,510.7
13. Hours Reactor Critical	744.0	4,507.6	19,974.1
14. Rx Reserve Shtdwn Hrs	.0	89.5	339.8
15. Hrs Generator On-Line	744.0	4,354.4	19,557.5
16. Unit Reserve Shtdwn Hrs	.0	.0	19.0
17. Gross Therm Ener (MWH)	2,531,412	14,669,829	64,096,213
18. Gross Elec Ener (MWH)	871,220	5,114,679	22,303,570
19. Net Elec Ener (MWH)	836,590	4,894,835	21,307,143
20. Unit Service Factor	100.0	85.2	76.7
21. Unit Avail Factor	100.0	85.2	76.7
22. Unit Cap Factor (MDC Net)	99.7	84.9	74.0
23. Unit Cap Factor (DER Net)	96.1	81.9	71.4
24. Unit Forced Outage Rate	.0	12.8	7.2
25. Forced Outage Hours	.0	640.7	1,517.0

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

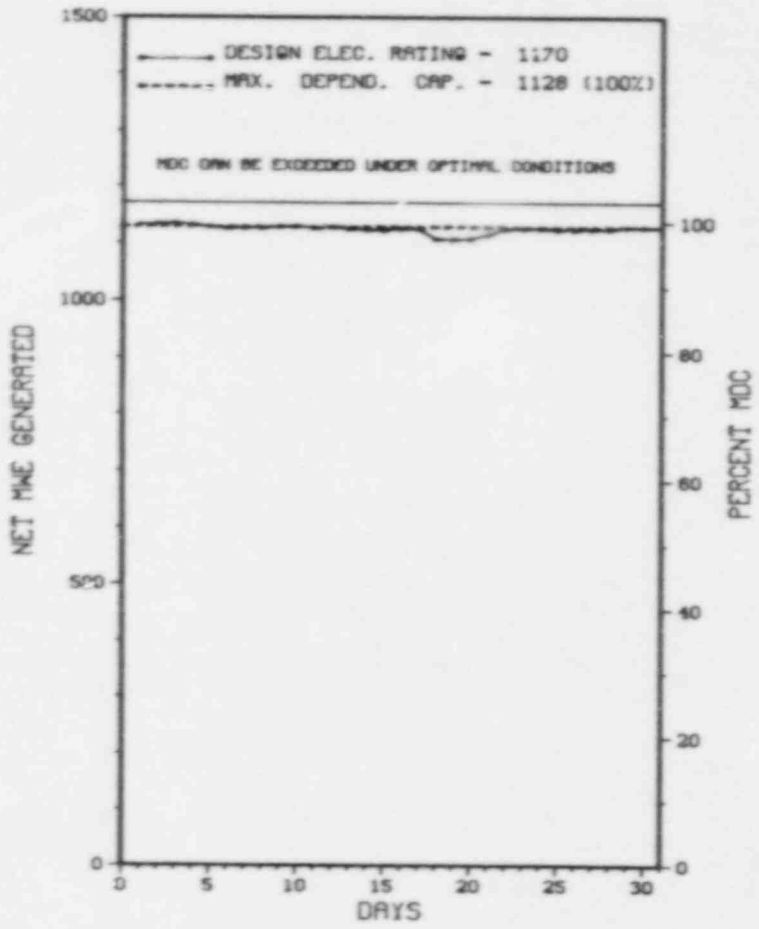
REFUELING - SEPTEMBER 29, 1988 - 65 DAY DURATION.

27. If Currently Shutdown Estimated Startup Date: N/A

****
* WOLF CREEK 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



JULY 1988

Report Period JUL 1988

UNIT SHUTDOWNS / REDUCTIONS

****
* WOLF CREEK 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
NONE									

****
* SUMMARY *
****

WOLF CREEK OPERATED ROUTINELY DURING JULY WITH NO OUTAGES OR SIGNIFICANT LOAD REDUCTIONS.

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)

****
* WOLF CREEK 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....KANSAS

COUNTY.....COFFEY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.5 MI NE OF
BURLINGTON, KAN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 22, 1985

DATE ELEC ENER 1ST GENER...JUNE 12, 1985

DATE COMMERCIAL OPERATE....SEPTEMBER 3, 1985

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....COOLING LAKE

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....KANSAS GAS & ELECTRIC

CORPORATE ADDRESS.....P.O. BOX 208
WICHITA, KANSAS 67201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....J. CUMMINS

LICENSING PROJ MANAGER.....P. OCONNOR
DOCKET NUMBER.....50-482

LICENSE & DATE ISSUANCE...NPF-42, JUNE 4, 1985

PUBLIC DOCUMENT .....WILLIAM ALLAN WHITE LIBRARY
GOVERNMENT DOCUMENTS DIVISION
EMPORIA STATE UNIVERSITY
1200 COMMERCIAL STREET
EMPORIA, KANSAS 66801

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED MAY 15 - JUNE 30, 1988 (88-19) ROUTINE, UNANNOUNCED INSPECTION INCLUDING PLANT STATUS, ALLEGATION FOLLOW-UP 10 CFR PART 21 REPORT FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, MONTH-LY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, ONSITE EVENT FOLLOWUP, STARTUP TESTING AFTER REFUELING, RADIOLOGICAL PROTECTION, AND PHYSICAL SECURITY VERIFICATION. WITHIN THE TEN AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED AND ONE UNRESOLVED ITEM IS IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JUNE 30, 1988

INSPECTION REPORT NO: 50-482/88-19

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	247,876.0
13. Hours Reactor Critical	744.0	5,008.2	196,121.6
14. Rx Reserve Shtdwn Hrs	.0	0	.0
15. Hrs Generator On-Line	744.0	4,947.6	191,029.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	443,419	2,812,689	104,425,719
18. Gross Elec Ener (MWH)	130,311	848,152	31,633,077
19. Net Elec Ener (MWH)	122,067	793,342	29,597,886
20. Unit Service Factor	100.0	96.8	78.7
21. Unit Avail Factor	100.0	96.8	78.7
22. Unit Cap Factor (MDC Net)	98.2	92.9	74.7*
23. Unit Cap Factor (DER Net)	93.3	88.7	71.2*
24. Unit Forced Outage Rate	.0	2.5	5.0
25. Forced Outage Hours	.0	124.9	9,028.8

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

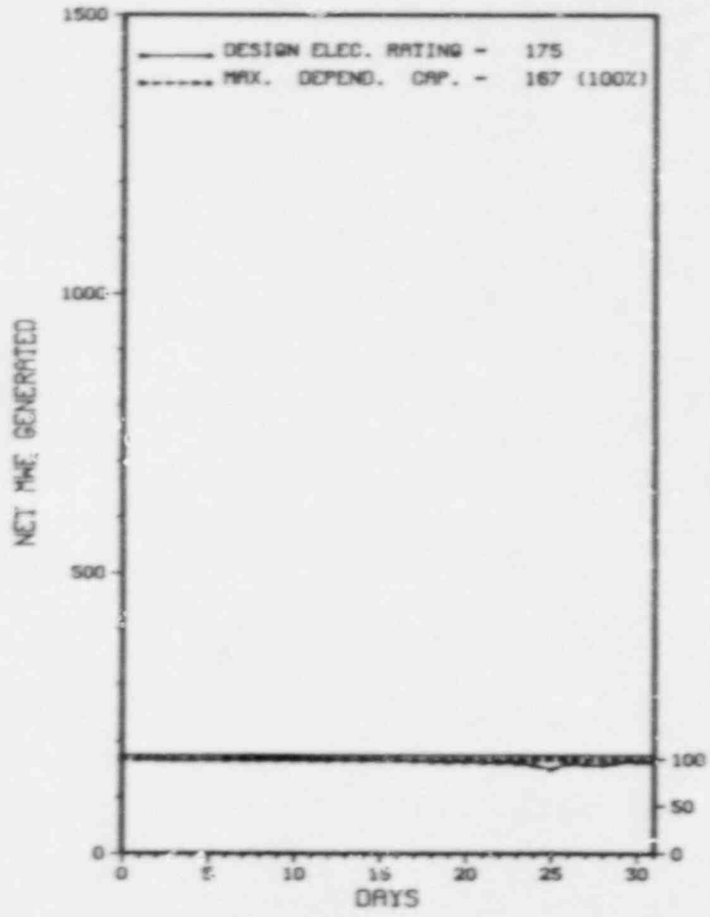
REFUELING, NOVEMBER 12, 1988 - 7 WEEK DURATION.

27. If Currently Shutdown Estimated Startup Date: N/A

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



JULY 1988

* Item calculated with a Weighted Average

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* YANKEE-ROWE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence

NONE

****
* SUMMARY *
****

YANKEE ROWE OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

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 1 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....FRANKLIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 19, 1960

DATE ELEC ENER ...NOVEMBER 10, 1960

DATE COMMERCIAL ...JULY 1, 1961

CONDENSER COOLI STHOD...ONCE THRU

CONDENSER COOLI WATER....DEERFIELD RIVER

ELECTRIC RELIABI ITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC

CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....H. EICHENHOLZ

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-029

LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963

PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NO INPUT PROVIDED.			

1. Docket: 50-295 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: GERRI AUSTIN (312) 746-2084
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098
6. Design Electrical Rating (Net MWe): 1040
7. Maximum Dependable Capacity (Gross MWe): 1085
8. Maximum Dependable Capacity (Net MWe): 1040
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	127,847.0
13. Hours Reactor Critical	635.4	3,279.3	89,364.7
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	595.6	3,166.2	86,706.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,601,879	9,278,292	250,504,619
18. Gross Elec Ener (MWH)	529,511	3,129,313	80,344,922
19. Net Elec Ener (MWH)	502,187	2,977,549	76,349,942
20. Unit Service Factor	80.1	61.9	67.8
21. Unit Avail Factor	80.1	61.9	67.8
22. Unit Cap Factor (MDC Net)	64.9	56.0	57.4
23. Unit Cap Factor (DER Net)	64.9	56.0	57.4
24. Unit Forced Outage Rate	19.9	4.8	12.6
25. Forced Outage Hours	148.4	160.4	11,828.6

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

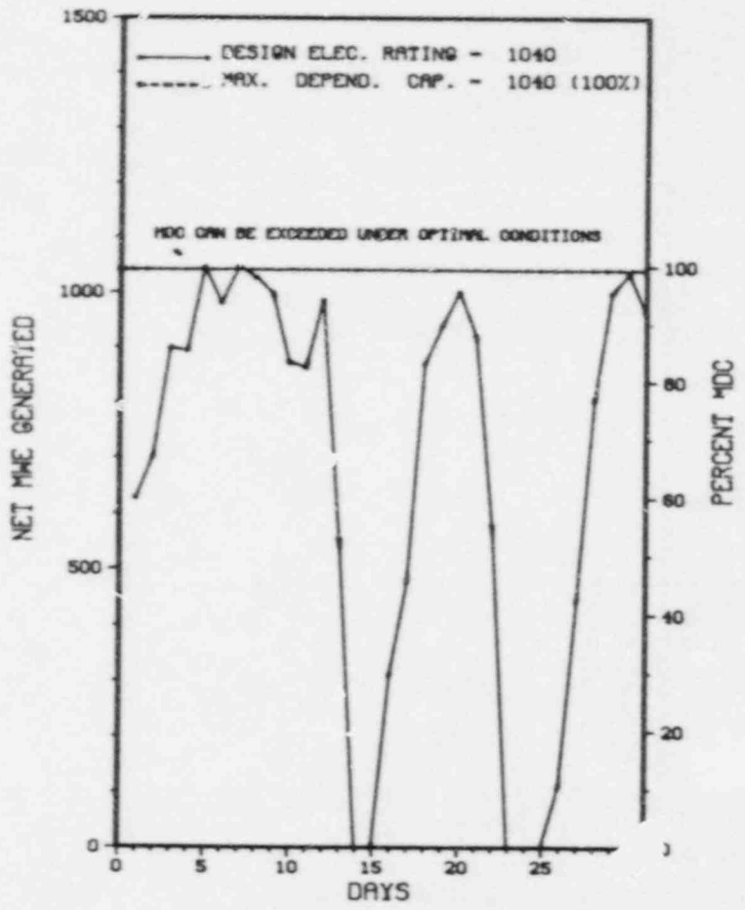
NONE

27. If Currently Shutdown Estimated Startup Date: N/A

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Actiyn to Prevent Recurrence
3	07/13/88	F	61.0	A	3				REACTOR TRIP DUE TO LOW STEAM GENERATOR LEVEL WITH FEED FLOW/STEAM FLOW MISMATCH, CAUSED BY A SQUARE ROOT EXTRACTOR IN THE FEEDFLOW CHANNEL CIRCUITRY.
4	07/23/88	F	87.4	H	3				REACTOR TRIP AT TIME OF MANUAL TURBINE TRIP DUE TO REACTOR POWER INCREASING ABOVE 10% DUE TO FEED WATER TRANSIENT.

****
* SUMMARY *
****

ZION 1 INCURRED TWO FORCED OUTAGES IN JULY FOR REASONS STATED 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)

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 19, 1973

DATE ELEC ENER 1ST GENER...JUNE 28, 1973

DATE COMMERCIAL OPERATE....DECEMBER 31, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. HOLZMER

LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295

LICENSE & DATE ISSUANCE....DPR-39, OCTOBER 19, 1973

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128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 13-16 (88014; 88015): SECURITY ORGANIZATION; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; PROTECTION OF SAFEGUARDS INFORMATION. THE LICENSEE WAS DETERMINED TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN ALL TEN INSPECTED AREAS. ONE OPEN ITEM CONCERNING TIMELINESS OF WORK ORDERS FOR SECURITY LIGHTING WAS IDENTIFIED. THE INSPECTION RESULTS WERE INDICATIVE OF A WELL MANAGED AND VIGOROUSLY SUPPORTED SECURITY PROGRAM.

ENFORCEMENT SUMMARY

THE ZION STATION TECHNICAL SPECIFICATION PARAGRAPH 4.22.3 REQUIRES THAT THE INSTALLATION AND MAINTENANCE RECORDS FOR EACH SNUBBER SHALL BE REVIEWED TO VERIFY THAT THE INDICATED SERVICE LIFE WILL NOT BE EXCEEDED PRIOR TO THE NEXT SCHEDULED SNUBBER SERVICE LIFE REVIEW. CONTRARY TO THE ABOVE, APPROXIMATELY 140 SNUBBERS, RECONDITIONED IN THE SPRING OF 1982, WERE NOT IDENTIFIED AS NEEDING TO BE RECONDITIONED, REPLACED OR REEVALUATED IN ORDER TO EXTEND THE SERVICE LIFE BEYOND THE INDICATED SEVEN YEARS.

(8801 4)

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY CECO TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," AND CECO CORPORATE QUALITY ASSURANCE MANUAL, NUCLEAR GENERATING STATIONS, "QUALITY REQUIREMENTS," REQUIRES

ENFORCEMENT SUMMARY

THAT DESIGN CHANGES SHALL BE SUBJECT TO DESIGN CONTROL MEASURES SIMILAR TO THE ORIGINAL DESIGN. CONTRARY TO THE ABOVE, THE CONTAINMENT HYDROGEN MONITORING PIPING WAS MODIFIED PRIOR TO JULY 1987 WITHOUT A DOCUMENTED REVIEW TO VERIFY THAT THE CONTAINMENT PENETRATION WAS NOT ADVERSELY AFFECTED.
(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT OPERATING AT POWER LEVELS UP TO 100% POWER.

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88014

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
88-12	061788	071888	MAIN STEAM SAFETY VALVES FOUND OUT OF TOLERANCE
88-14	070788	080688	INCOMPLETE CHANNEL CALIBRATION OF POWER OPERATED RELIEF VALVES

1. Docket: 50-304 OPERATING STATUS
2. Reporting Period: 07/01/88 Outage + On-line Hrs: 744.0
3. Utility Contact: GERRI AUSTIN (312) 746-2084
4. Licensed Thermal Power (MWt): 3250
5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098
6. Design Electrical Rating (Net MWe): 1040
7. Maximum Dependable Capacity (Gross MWe): 1085
8. Maximum Dependable Capacity (Net MWe): 1040
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,111.0	121,560.0
13. Hours Reactor Critical	744.0	5,111.0	89,883.6
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	744.0	5,111.0	87,475.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,391,266	15,747,479	260,441,226
18. Gross Elec Ener (MWH)	797,222	5,297,009	82,639,142
19. Net Elec Ener (MWH)	763,000	5,076,929	78,702,749
20. Unit Service Factor	100.0	100.0	72.0
21. Unit Avail Factor	100.0	100.0	72.0
22. Unit Cap Factor (MDC Net)	98.6	95.5	62.3
23. Unit Cap Factor (DER Net)	98.6	95.5	62.3
24. Unit Forced Outage Rate	.0	.0	13.6
25. Forced Outage Hours	.0	.0	13,795.9

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

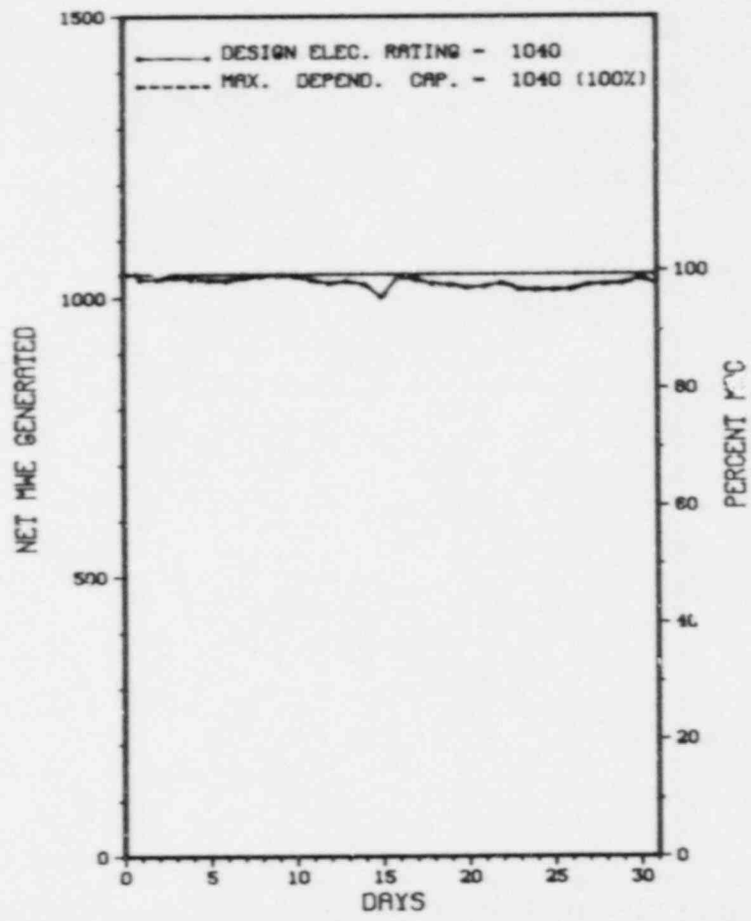
REFUELING - OCTOBER 20, 1988.

27. If Currently Shutdown Estimated Startup Date: N/A

ZION 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



JULY 1988

Report Period JUL 1988 UNIT SHUTDOWNS / REDUCTIONS

ZION 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence

NONE

SUMMARY

ZION 2 OPERATED ROUTINELY IN JULY WITH NO OUTAGES OR SIGNIFICANT POWER REDUCTIONS.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Data Entry Sheet
	E-Operator Training & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

****
* ZION 2 *
****

FACILITY DATA

Report Period JUL 1988

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 24, 1973

DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

ELECTRIC RELIABILITY
COUNCIL..... ...MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE..... .....COMMONWEALTH EDISON

CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. HOLZMER

LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304

LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....WAUKEGAN PUBLIC LIBRARY
128 N. COUNTY STREET
WAUKEGAN, ILLINOIS 60085

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 13-16 (88014; 88015): SECURITY ORGANIZATION; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; PROTECTION OF SAFEGUARDS INFORMATION. THE LICENSEE WAS DETERMINED TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN ALL TEN INSPECTED AREAS. ONE OPEN ITEM CONCERNING TIMELINESS OF WORK ORDERS FOR SECURITY LIGHTING WAS IDENTIFIED. THE INSPECTION RESULTS WERE INDICATIVE OF A WELL MANAGED AND VIGOROUSLY SUPPORTED SECURITY PROGRAM.

ENFORCEMENT SUMMARY

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(8801 4)

10 CFR 50, APPENDIX B, CRITERION III, AS IMPLEMENTED BY CECO TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," AND CECO CORPORATE QUALITY ASSURANCE MANUAL, NUCLEAR GENERATING STATIONS, "QUALITY REQUIREMENTS," REQUIRES

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(8801 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT OPERATING AT POWER LEVELS UP TO 100%.

LAST IE SITE INSPECTION DATE: 06/16/88

INSPECTION REPORT NO: 88015

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

SECTION 3

APPENDIX

PRESSURIZED WATER REACTORS

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
ARKANSAS 1	177	968	488	480		09-88	1997
ARKANSAS 2	177	988	289	699		02-88	1999
BEAVER VALLEY 1	157	833	284	549		12-87	1995
BEAVER VALLEY 2						N/S	
BRAIDWOOD 1	193	1050	0	1050		N/S	
BRAIDWOOD 2	193	1050	0	1050			
BYRON 1	193	1050	0	1050		N/S	1995
BYRON 2	193	1050	0	1050		N/S	
CALLAWAY 1	193	1340	180	1160		03-89	2005
CALVERT CLIFFS 1	217	1830(c)	1138(c)	692(c)		04-88	1991
CALVERT CLIFFS 2	217					04-89	1991
CATAWBA 1	193	1418	132	1286		12-88	2011
CATAWBA 2	193	1418	0	1418		12-87	2013
COOK 1	193	2050(c)	866(c)	1184(c)		N/S	1994
COOK 2	193					N/S	1994
CRYSTAL RIVER 3	177	1163	328	829		09-87	1997
DAVIS-BESSE 1	177	735	204	531		03-88	1993
DIABLO CANYON 1	193	1400	0	1400		03-88	1993
DIABLO CANYON 2	193	1400		1400		N/S	
FARLEY 1	157	1407	273	1134		03-88	1991
FARLEY 2	157	1407	240	1167		10-87	1994
FORT CALHOUN 1	133	729	393	336		09-88	1996
GINNA	121	1016	420	596		02-88	1993
HADDAM NECK	157	1168	653	515		07-87	1996
HARRIS 1	157		0			N/S	
INDIAN POINT 1(d)	0	288	160	128		N/S	
INDIAN POINT 2	193	980	460	520		10-87	1993
INDIAN POINT 3	193	840	292	548		N/S	1993
KEWAUNEE	121	990	376	614(m)		03-88	1993
MAINE YANKEE	217	1476	721	755		N/S	1987
MCGUIRE 1	193	1463	293	1170(n)		11-88	2010
MCGUIRE 2	193	1463	424	1039		05-88	2010
MILLSTONE 2	217	1277	512	765		01-88	1994
MILLSTONE 3	193	756	84	672		06-89	1996
NORTH ANNA 1	157	1737(c)	520(c)	1217		04-87	1993
NORTH ANNA 2	157					10-87	1993
OCONEE 1	177	1312(1)	874	438(1)(n)		02-89	1991
OCONEE 2	177					02-88	1991
OCONEE 3	177	875	513	362		07-88	1991
PALISADES	204	798	477	321		N/S	2002
PALO VERDE 1	241	1329	80	1249		10-87	2006
PALO VERDE 2	241	1329	0	1329		02-88	2006
PALO VERDE 3	241	1329	0	0		02-89	2007
POINT BEACH 1	121	1502(c)	875(c)	626(c)		04-88	1995
POINT BEACH 2	121					N/S	1995
PRAIRIE ISLAND 1	121	1586(c)	781(c)	805(c)(m)		N/S	1993
PRAIRIE ISLAND 2	121					01-88	1993

PRESSURIZED 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
RANCHO SECO 1	177	1080	316	764		03-89	2001
ROBINSON 2	157	541	274	266(e)	379	N/S	1988(g)
SALEM 1	193	1170	464	706		03-89	2001
SALEM 2	193	1170	224	946		09-88	2003
SAN ONOFRE 1	157	216	146	70		07-88	1988
SAN ONOFRE 2	217	800	268	532		08-89	1997
SAN ONOFRE 3	217	800	160	640		04-88	1997
SEQUOYAH 1	193	1386	348	1033		N/S	1994
SEQUOYAH 2	193					N/S	1994
SOUTH TEXAS 1	0	0	0	0			
ST LUCIE 1	217	728	372	356		N/S	1993
ST LUCIE 2	217	1076	152	924		N/S	1993
SUMMER 1	157	1276	96	1180		N/S	2008
SURRY 1	157	1044(c)	901(c)	143(c)		N/S	1987
SURRY 2	157					N/S	1987
THREE MILE ISLAND 1	177	752	284	468		07-88	1991
THREE MILE ISLAND 2	177	442	0	442		N/S	
TROJAN	193	1408	425	983		04-88	1993
TURKEY POINT 3	157	1404	445	959(m)		N/S	1993
TURKEY POINT 4	157	1404	482	922		N/S	1993
VOGTLE 1	0	0	0	0		N/S	
WATERFORD 3	217	1088	0	1088		N/S	1993
WOLF CREEK 1	193	1340	0	1340		04-88	
YANKEE-ROWE 1	76	721	325	396		N/S	1993
ZION 1	193	2112(c)	1148(c)	964(c)		02-88	1995
ZION 2	193					10-88	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)	
NFS(i)	250 MTU	170 MTU	80 MTU		

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
(b) Some of these dates have been adjusted by staff assumptions.
(c) This is the total for both units.
(d) Plant not in commercial operation.
(e) Some spent fuel stored at Brunswick.
(f) Authorized a total 2772 BWR and 1232 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	441	212	229		04-88	1995
BROWNS FERRY 1	764	3471	1288	2183		N/S	1993
BROWNS FERRY 2	764	3471	1161	23[illegible]m)	1819	N/S	1993
BROWNS FERRY 3	764	3471	1004	2467(m)		N/S	1993
BRUNSWICK 1	560	1803	160PWR+1016BWR	787		11-88	1990
BRUNSWICK 2	560	[illegible]9	144PWR+940BWR	899		01-88	1991
CLINTON 1	624	[illegible]2	[illegible]	2672		12-89	2010
COOPER STATION	548	2366	790	1576		03-88	1996
DRESDEN 1 (d)	464	672	221	451		N/S	1990
DRESDEN 2	724	3537	1413	2124		N/S	1993
DRESDEN 3	724	3537	1271	2266		03-88	1993
DUANE ARNOLD	368	2050	824	1226		10-88	1998
FERMI 2						N/S	
FITZPATRICK	560	2244	1200	484		08-88	1992
GRAND GULF 1	800	1440	0	1440		11-87	1993
HATCH 1	560	6026	1580	4446		N/S	1999
HATCH 2	560			1325		03-88	1999
HOPE CREEK 1						02-88	
HUMBOLDT BAY(d)	172	487	251	236		N/S	
LA CROSSE (d)	72	440	261	179		N/S	1992
LASALLE 1	764	2162	191	1971		03-88	1988
LASALLE 2	764					N/S	1988
LIMERICK 1	764	2040	0	2040		N/S	1993
MILLSTONE 1	580	2184	1732	452		03-89	1987

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
MONTICELLO	484	2237	822	1415		12-87	1999
NINE MILE POINT 1	532	2776	1377	1399	1788	03-88	1996
NINE MILE POINT 2						N/S	
OYSTER CREEK 1	560	2600	1392	1208		N/S	1994
PEACH BOTTOM 2	764	3819	1462	2357		03-87	1995
PEACH BOTTOM 3	764	3819	1496	2323		03-87	1996
PERRY 1	0	[illegible]	0	0		N/S	
PILGRIM 1	580	2326	1320	1000		09-89	1990
QUAD CITIES 1	724	3657	1773	1884		06-89	2008
QUAD CITIES 2	724	3897	1311	2586		04-88	2008
RIVER BEND						09-87	
SUSQUEHANNA 1	764	2840	382	2458		N/S	1997
SUSQUEHANNA 2	764	2840	0	2840		03-88	1997
VERMONT YANKEE 1	368	2000	1296	704		N/S	1992
WASHINGTON NUCLEAR	764	2658	272	2386		04-88	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)	
NFS(i)	250 MTU	170 MTU	80 MTU		

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
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(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 *	14.00	08/01/74	ARKANSAS 1
* OPERATING *	.96	08/17/87	BEAVER VALLEY 2
* ELECTRICAL *	.19	05/25/88	BRAIDWOOD 2
* PRODUCING *	11.89	09/12/76	BROWNS FERRY 3
* UNITS *	3.42	03/01/85	BYRON 1
**********	13.58	01/03/75	CALVERT CLIFFS 1
	2.21	05/18/86	CATAWBA 2
	10.36	03/22/78	COOK 2
	10.93	08/28/77	DAVIS-BESSE 1
	18.30	04/13/70	DRESDEN 2
	10.95	08/18/77	FARLEY 1
	13.50	02/01/75	FITZPATRICK
	18.66	12/02/69	GINNA
	1.53	01/19/87	HARRIS 1
	2.00	08/01/86	HOPE CREEK 1
	14.32	04/08/74	KEWAUNEE
	3.30	04/13/85	LIMERICK 1
	5.19	05/23/83	MCGUIRE 2
	2.47	02/12/86	MILLSTONE 3
	.98	08/08/87	NINE MILE POINT 2
	15.24	05/06/73	OCONEE 1
	18.86	09/23/69	OYSTER CREEK 1
	2.20	05/20/86	PALO VERDE 2
	13.92	09/01/74	PEACH BOTTOM 3
	17.74	11/06/70	POINT BEACH 1
	13.61	12/21/74	PRAIRIE ISLAND 2
	13.80	10/13/74	RANCHO SECO 1
	11.60	12/25/76	SALEM 1
	5.86	09/20/82	SAN ONOFRE 2
	5.61	12/23/81	SEQUOYAH 2
	5.14	06/13/83	ST LUCIE 2
	15.39	03/10/73	SURRY 2
	14.12	06/19/74	THREE MILE ISLAND 1
	15.11	06/21/73	TURKEY POINT 4
	4.18	05/27/84	WASHINGTON NUCLEAR 2
	27.72	11/10/60	YANKEE-ROWE 1
	9.60	12/26/78	ARKANSAS 2
	25.65	12/08/62	BIG ROCK POINT 1
	14.80	10/15/73	BROWNS FERRY 1
	11.66	12/04/76	BRUNSWICK 1
	1.48	02/06/87	BYRON 2
	11.65	12/07/76	CALVERT CLIFFS 2
	1.27	04/24/87	CLINTON 1
	14.23	05/10/74	COOPER STATION
	3.72	11/11/84	DIABLO CANYON 1
	17.03	07/22/71	DRESDEN 3
	7.19	05/25/81	FARLEY 2
	14.93	08/25/73	FORT CALHOUN 1
	3.78	10/20/84	GRAND GULF 1
	13.72	11/11/74	HATCH 1
	15.10	06/26/73	INDIAN POINT 2
	5.91	09/04/82	LASALLE 1
	15.73	11/08/72	MAINE YANKEE
	17.67	11/29/70	MILLSTONE 1
	17.41	03/05/71	MONTICELLO
	10.29	04/17/78	NORTH ANNA 1
	14.66	12/05/73	OCONEE 2
	16.59	12/31/71	PALISADES
	.63	11/28/87	PALO VERDE 3
	1.62	12/19/86	PERRY 1
	16.00	08/02/72	POINT BEACH 2
	16.30	04/12/72	QUAD CITIES 1
	2.66	12/03/85	RIVER BEND 1
	7.16	06/03/81	SALEM 2
	4.85	09/25/83	SAN ONOFRE 3
	.34	03/30/88	SOUTH TEXAS 1
	5.71	11/16/82	SUMMER 1
	5.71	11/16/82	SUSQUEHANNA 1
	12.61	12/23/75	TROJAN
	15.86	09/20/72	VERMONT YANKEE 1
	3.37	03/18/85	WATERFORD 3
	15.09	06/28/73	ZION 1
	12.13	06/14/76	BEAVER VALLEY 1
	1.06	07/12/87	BRAIDWOOD 1
	13.93	08/28/74	BROWNS FERRY 2
	13.26	04/29/75	BRUNSWICK 2
	3.77	10/24/84	CALLAWAY 1
	3.52	01/22/85	CATAWBA 1
	13.47	02/10/75	COOK 1
	11.50	01/30/77	CRYSTAL RIVER 3
	2.78	10/20/85	DIABLO CANYON 2
	14.20	05/19/74	DUANE ARNOLD
	1.86	09/21/86	FERMI 2
	11.64	12/11/76	FORT ST VRAIN
	20.99	08/07/67	HADDAM NECK
	9.86	09/22/78	HATCH 2
	12.26	04/27/76	INDIAN POINT 3
	4.28	04/20/84	LASALLE 2
	7.09	06/30/81	MCGUIRE 1
	12.73	11/09/75	MILLSTONE 2
	18.73	11/09/69	NINE MILE POINT 1
	7.93	08/25/80	NORTH ANNA 2
	13.92	09/01/74	OCONEE 3
	3.14	06/10/85	PALO VERDE 1
	14.45	02/18/74	PEACH BOTTOM 2
	16.04	07/19/72	PILGRIM 1
	14.66	12/04/73	PRAIRIE ISLAND 1
	16.19	05/23/72	QUAD CITIES 2
	17.85	09/26/70	ROBINSON 2
	21.05	07/16/67	SAN ONOFRE 1
	8.03	07/22/80	SEQUOYAH 1
	12.24	05/07/76	ST LUCIE 1
	16.08	07/04/72	SURRY 1
	4.08	07/03/84	SUSQUEHANNA 2
	15.75	11/02/72	TURKEY POINT 3
	1.35	03/27/87	VOGTLE 1
	3.14	06/12/85	WOLF CREEK 1
	14.60	12/26/73	ZION 2

TOTAL 1121.40 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 *	19.01	04/26/68	04/30/87	LA CROSSE
**********	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
	.93	04/21/78	03/28/79	THREE MILE ISLAND 2
	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
	1.19	07/25/66	10/01/67	PATHFINDER
	2.16	11/04/63	01/01/66	PIQUA

TOTAL 93.78 YRS

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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	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0

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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	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	100.0
	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	CINTICHEM INC.	POOL	50-054	R-81	09-07-61	5000
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
OREGON	CORVALLIS	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	08-26-63	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
	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0

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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)
UTAH	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	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

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* EXPERIMENTAL AND TEST REACTORS *
****

CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0

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* CRITICAL EXPERIMENT FACILITIES *
****

NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

NRC FORM 335 (2-84) NRCM 1102, 3201, 3202

SEE INSTRUCTIONS ON THE REVERSE

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12 SUPPLEMENTARY NOTES

Status Summary Report

13 ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Administration and Resources Management from the Headquarters staff of NRC's Office of Enforcement (OE), from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, OE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U. S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U. S. energy situation as a whole.

14 DOCUMENT ANALYSIS - a KEYWORDS/DESCRIPTORS

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Commercial Operating Units

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16 SECURITY CLASSIFICATION

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