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NUREG-0020
Vol. 7, No. 1
January 1983

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 12-31-82

UNITED STATES NUCLEAR REGULATORY COMMISSION

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Manuscript Completed: January 1983
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OFFICE OF RESOURCE MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555



AUTHORIZATION AND CLEARANCE*

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

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

STATEMENT OF PURPOSE

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

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

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

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

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G L O S S A R Y

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

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

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

UNIT AVAILABILITY FACTOR

$$\frac{\text{Unit Available Hours} \times 100}{\text{Period Hours}}$$

UNIT CAPACITY FACTORS

- Using Licensed Thermal Power

$$\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$$

- Using Nameplate Rating

$$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$$

- Using DER

$$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$$

- Using MDC Gross

$$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$$

- Using MDC Net

$$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$$

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

UNIT FORCED OUTAGE RATE

$$\frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$$

UNIT RESERVE SHUTDOWN — The removal of the unit from on-line operation for economic or other similar reasons when operation could have been continued.

UNIT RESERVE SHUTDOWN HOURS — The total clock hours in the report period during which the unit was in reserve shutdown mode.

UNIT SERVICE FACTOR

$$\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$$

UNIT SERVICE HOURS — See "Hours Generator On-Line."

NOTE:

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

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SECTION 1

CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS

LICENSED POWER REACTORS

	72	IN COMMERCIAL OPERATION	54,976
(a)	4	IN POWER ASCENSION	4,076
(b)	76	LICENSED TO OPERATE	59,052
(c)	2	LICENSED FOR FUEL LOADING AND LOW POWER TESTING	

CAPACITY MWe (Net) --Based upon maximum dependable capacity; design elec. rating used if MDC not determined

(a)

	MDC NET
LASALLE 1	1078
SAN ONOFRE 2	1087
SUSQUEHANNA 1	1011
SUMMER 1	900

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

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

(c)

	DATE	DER
GRAND GULF 1	06/16/82	1250
SAN ONOFRE 3	11/15/82	1087

POWER GENERATION

	REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
1. GROSS ELECTRICAL (MWHE)	24,580,111	23,654,891	292,250,483
2. NET ELECTRICAL (MWHE)	23,386,276	22,544,017	278,034,388
3. AVG. UNIT SERVICE FACTOR (%)	64.9	63.1	65.6
4. AVG. UNIT AVAILABILITY FACTOR (%)	64.9	63.1	65.7
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	58.3	57.1	58.3
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	56.5	55.4	56.7
7. FORCED OUTAGE RATE (%)	12.6	9.3	12.9

ACTUAL VS. POTENTIAL ENERGY PRODUCTION

		% Of POTENTIAL PRODUCTION
1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	23,386,276 NET	57.2
2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	9,939,649 MWHe	24.3
3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	4,715,729 MWHe	11.5
4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,860,490 MWHe	7.0
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	40,902,144 MWHe	100.0% TOTAL
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	577,344 MWHe	
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS	0 MWHe	0 UNIT(S) WITH NRC RESTRICTION

OUTAGE DATA

	NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
1. FORCED OUTAGES DURING REPORT PERIOD	45	6,236.1	11.6	4,715,729
2. SCHEDULED OUTAGES DURING REPORT PERIOD	35	12,584.5	23.5	9,939,649
TOTAL	80	18,820.6	35.1	14,655,378

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
A	Equipment Failure	32	3,859.4
B	Maintenance or Test	16	2,532.5
C	Refueling	18	9,215.3
D	Regulatory Restriction	1	744.0
E	Operator Training & License Examination	0	0.0
F	Administrative	0	0.0
G	Operational Error	3	11.4
H	Other	10	2,458.0
	TOTAL	80	18,820.6

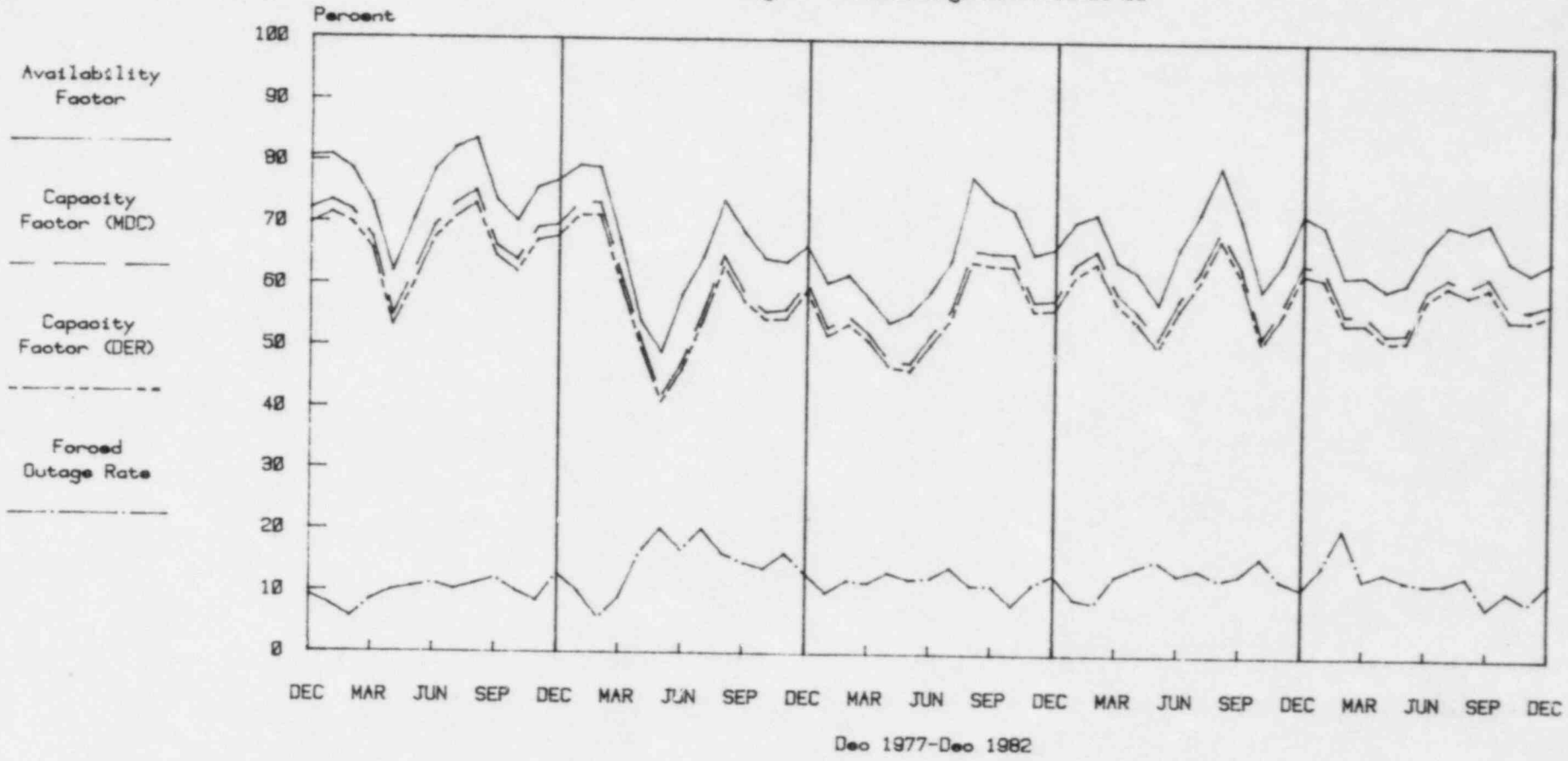
DERATED UNITS	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
CRYSTAL RIVER 3	806	780	Self-imposed
FORT ST VRAIN	330	231	Self-imposed
POINT BEACH 1	495	390	Self-imposed
ROBINSON 2	665	535	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
ARKANSAS 1	C	ARKANSAS 2	A	BROWNS FERRY 2	H	BRUNSWICK 1	C
BRUNSWICK 2	A	CALVERT CLIFFS 2	C	COOK 2	C	CRYSTAL RIVER 3	A
FITZPATRICK	A	FORT CALHOUN 1	C	FORT ST VRAIN	H	HATCH 1	C
INDIAN POINT 2	C	INDIAN POINT 3	C	MAINE YANKEE	C	MONTICELLO	C,B
NINE MILE POINT 1	A	NORTH ANNA 1	A,C	OCONEE 3	A,A	OYSTER CREEK 1	A
PEACH BOTTOM 2	B	PILGRIM 1	A	POINT BEACH 1	C	PRAIRIE ISLAND 1	C
QUAD CITIES 1	C	RANCHO SECO 1	A,A	SALEM 1	B,C	SAN ONOFRE 1	B
SEQUOYAH 1	C	SEQUOYAH 2	B	SURRY 2	B	THREE MILE ISLAND 1	D
TURKEY POINT 4	H	YANKEE-ROWE 1	C				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 12-31-82



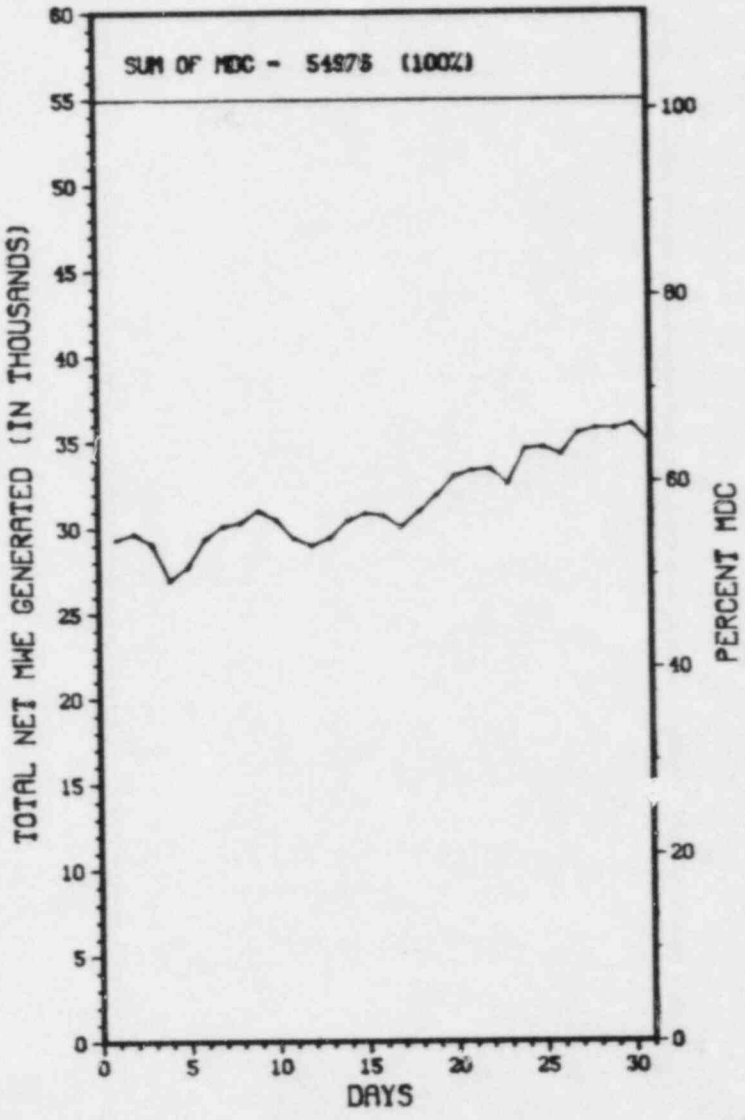
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALLY OPERATING UNITS

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".

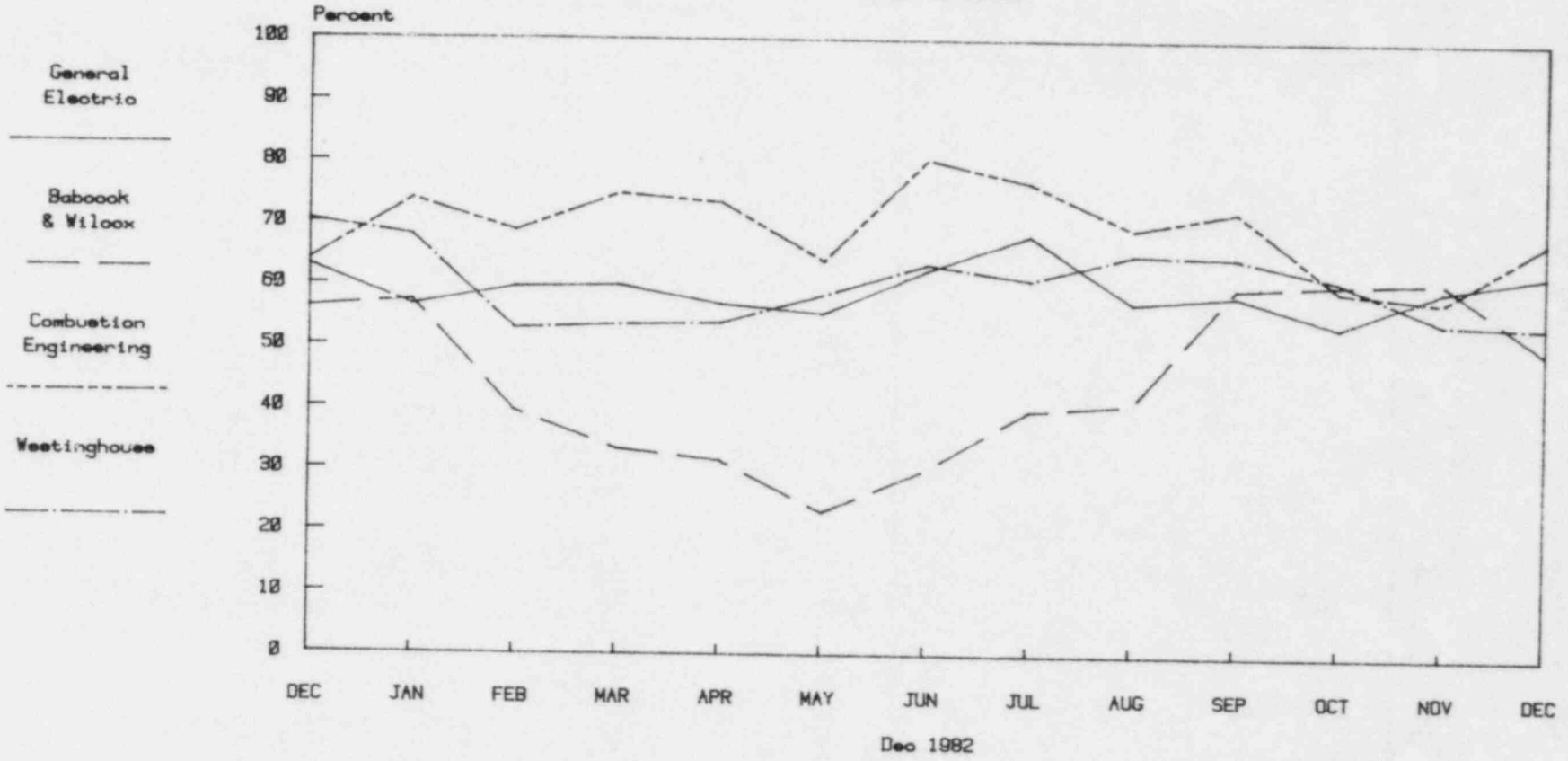
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



DECEMBER 1982

Vendor Average Capacity Factors

As Of 12-31-82



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.

Report Period DEC 1982

AVERAGE CAPACITY FACTORS BY VENDORS

GENERAL ELECTRIC	CFMDC		CFMDC		CFMDC		CFMDC	
	89.8	BROWNS FERRY 1	0.0	BROWNS FERRY 2	94.4	BROWNS FERRY 3	20.1	BRUNSWICK 1
	71.1	BRUNSWICK 2	99.5	COOPER STATION	44.8	DRESDEN 2	89.5	DRESDEN 3
	87.8	DUANE ARNOLD	75.4	FITZPATRICK	0.0	HATCH 1	90.0	HATCH 2
	99.9	MILLSTONE 1	13.8	MONTICELLO	0.0	NINE MILE POINT 1	27.0	OYSTER CREEK 1
	71.4	PEACH BOTTOM 2	90.2	PEACH BOTTOM 3	87.1	PILGRIM 1	8.8	QUAD CITIES 1
	93.2	QUAD CITIES 2	100.2	VERMONT YANKEE 1				

BABCOCK & WILCOX	CFMDC		CFMDC		CFMDC		CFMDC	
	0.0	ARKANSAS 1	30.9	CRYSTAL RIVER 3	94.4	DAVIS-BESSE 1	99.7	OCONEE 1
	96.2	OCONEE 2	36.2	OCONEE 3	30.8	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

COMBUSTION ENGINEERING	CFMDC		CFMDC		CFMDC		CFMDC	
	62.2	ARKANSAS 2	100.6	CALVERT CLIFFS 1	0.0	CALVERT CLIFFS 2	7.4	FORT CALHOUN 1
	42.5	MAINE YANKEE	94.5	MILLSTONE 2	118.4	PALISADES	100.4	ST LUCIE 1

WESTINGHOUSE	CFMDC		CFMDC		CFMDC		CFMDC	
	93.6	BEAVER VALLEY 1	88.2	COOK 1	0.0	COOK 2	93.5	FARLEY 1
	77.6	FARLEY 2	100.8	GINNA	100.9	HADDAM NECK	0.0	INDIAN POINT 2
	0.0	INDIAN POINT 3	87.9	KEWAUNEE	46.2	MCGUIRE 1	0.1	NORTH ANNA 1
	93.0	NORTH ANNA 2	50.5	POINT BEACH 1	96.7	POINT BEACH 2	36.9	PRAIRIE ISLAND 1
	100.3	PRAIRIE ISLAND 2	79.2	ROBINSON 2	0.0	SALEM 1	69.0	SALEM 2
	0.0	SAN ONOFRE 1	0.0	SEQUOYAH 1	0.0	SEQUOYAH 2	92.5	SURRY 1
	45.9	SURRY 2	99.1	TROJAN	106.4	TURKEY POINT 3	0.0	TURKEY POINT 4
	38.8	YANKEE-ROWE 1	74.4	ZION 1	85.9	ZION 2		

OTHER INFO

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

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	7,947,860	9,811,766	3,073,445	2,484,775	15,369,986
MDC NET.....	17,151	24,526	6,112	6,745	37,383
CFMDC.....	62.3	53.8	67.6	49.5	55.3

Report Period DEC 1982

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

CORRECTIONS TO NUREG-0020 VOL. 6, NO. 12 DECEMBER 1982.

Page	Unit Name	Item	Correction
			NONE

PRIOR ISSUE CORRECTIONS

Unit Name	Item	Correction
		NONE

SECTION 2

OPERATING POWER REACTORS

1. Docket: 50-313 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: A. J. GERTSH (501) 964-3155
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1003 X 0.9 = 903
6. Design Electrical Rating (Net MWe): 850
7. Maximum Dependable Capacity (Gross MWe): 883
8. Maximum Dependable Capacity (Net MWe): 836
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	70,435.0
13. Hours Reactor Critical	.0	5,759.8	48,007.1
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	.0	5,673.7	47,057.5
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	0	12,239,608	111,769,814
18. Gross Elec Ener (MWH)	0	3,928,288	36,765,044
19. Net Elec Ener (MWH)	0	3,721,409	35,037,809
20. Unit Service Factor	.0	64.8	66.8
21. Unit Avail Factor	.0	64.8	68.0
22. Unit Cap Factor (MDC Net)	.0	50.8	59.5
23. Unit Cap Factor (DER Net)	.0	50.0	58.5
24. Unit Forced Outage Rate	.0	11.7	15.6
25. Forced Outage Hours	.0	749.3	8,703.8

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

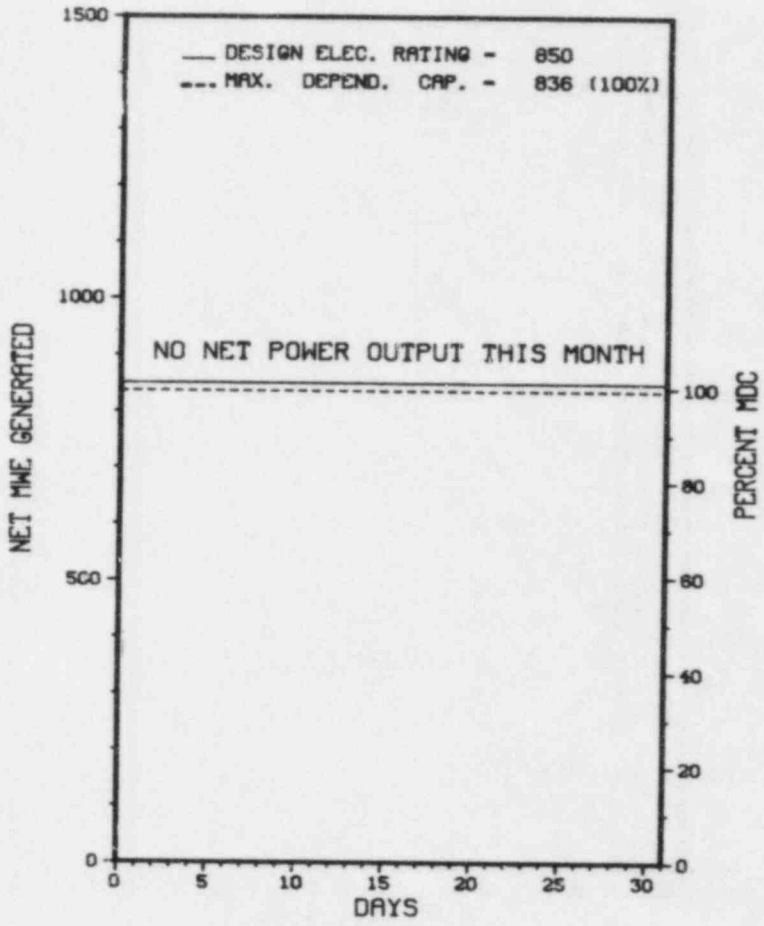
NONE

27. If Currently Shutdown Estimated Startup Date: 02/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-07	11/08/82	S	744.0	C	4		RC	FUELXX	1-R5 REFUELING OUTAGE CONTINUES.

SUMMARY

ARKANSAS 1 REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

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.....W. JOHNSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED SEPTEMBER 7-17, 1982 (82-29): SPECIAL, ANNOUNCED INSPECTION TO REVIEW AND VERIFY THAT LICENSEE ACTIONS TAKEN, AND COMMITMENTS MADE, IN RESPONSE TO NRC COMMUNICATIONS WERE CARRIED OUT AS INDICATED. FOUR CATEGORIES OF NRC DOCUMENTS, WHICH NORMALLY REQUIRE ACTIONS OR COMMITMENTS BY LICENSEES, WERE COVERED BY THIS REVIEW: IE BULLETINS, NRC INSPECTION REPORTS, NUREG-0737 ITEMS, AND NRR GENERIC LETTERS. NRC COMMUNICATIONS AND CORRESPONDING LICENSEE RESPONSES, SINCE APRIL 1979, WERE INCLUDED IN THIS REVIEW. A TOTAL OF 112 MAN-HOURS WAS SPENT BY SIX NRC STAFF MEMBERS IN REVIEWING NRC AND LICENSEE CORRESPONDENCE IN-OFFICE TO IDENTIFY SPECIFIC COMMITMENTS. AN ADDITIONAL 246 MAN-HOURS WERE SPENT ONSITE IN VERIFYING THAT THESE COMMITMENTS HAD BEEN COMPLETED AS INDICATED IN LICENSEE CORRESPONDENCE TO THE NRC. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED TO THE LICENSEE AS A RESULT OF THIS SPECIAL REVIEW EFFORT. CERTAIN ITEMS OF CONCERN WERE IDENTIFIED WHICH COULD RESULT IN FUTURE ENFORCEMENT ACTIONS. THESE ITEMS WERE DISCUSSED WITH THE LICENSEE.

INSPECTION CONDUCTED DURING PERIOD OF OCTOBER 1-31, 1982 (82-30): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, LER FOLLOWUP, AND IE BULLETIN FOLLOWUP. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED OCTOBER 18-21, 1982 (82-31): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - PERSONNEL; PHYSICAL BARRIERS - PROTECTED AREAS; ALARM STATIONS; 10 CFR 73, APPENDIX B AND INDEPENDENT INSPECTION EFFORT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR 71.5, "TRANSPORTATION OF LICENSED MATERIAL" PROHIBITS A LICENSEE FROM DELIVERING ANY LICENSED MATERIAL TO A CARRIER FOR TRANSPORT OR TRANSPORTING LICENSED MATERIAL, UNLESS THE LICENSEE COMPLIES WITH THE APPLICABLE REQUIREMENTS OF THE REGS APPROPRIATE TO THE MODE OF TRANSPORT, OF THE DEPT OF TRANSPORTATION IN 49CFR PARTS 170-189. 49CFR 173.394, "RADIOACTIVE MATERIALS IN SPECIAL FORM" AND 49CFR173.395, "RADIOACTIVE MATERIALS IN NORMAL FORM" REQUIRE THAT TYPE A QUANTITIES OF SPECIAL AND NORMAL FORM RADIOACTIVE MATERIAL MUST BE PACKAGED FOR TRANSPORT IN A CONTAINER MEETING DOT SPECIFICATION 7A GENERAL PKGNG REQUIREMENTS AND MAINTAIN ON FILE, FOR AT LEAST ONE YR AFTER THE LATEST SHIPMENT A COMPLETE CERTIFICATION AND SUPPORTING DOCUMENTATION THAT THE PKG MEETS INSTRUCTION AND DESIGN REQUIREMENTS. CONTRARY TO THE ABOVE, FOUR SHIPMENTS OF RADIOACTIVE MATRLS SHIPPED FROM THE SITE BETWEEN OCT 1981 AND JUNE 25, 1982, WERE SHIPPED AS TYPE A QUANTITIES IN VARIOUS CONTAINERS, FOR WHICH THE LICENSEE COULD NOT PROVIDE THE CONTAINER CERTIFICATION AS REQUIRED BY 49CFR173.394 AND 173.395.
(8214 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: OCTOBER 18-21, 1982

INSPECTION REPORT NO: 50-313/82-31

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
82-30 01T-0	12/14/82	12/14/82	'B' OTSG TUBE DEFECTS (C-3 STATUS)
82-31 01T-0	12/16/82	12/16/82	REACTOR BLDG. PRESSURE XMITTING PLUGGED

1. Docket: 50-368 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: LINDY BRAMLETT (501) 964-3145
4. Licensed Thermal Power (MWt): 2815
5. Nameplate Rating (Gross MWe): 943
6. Design Electrical Rating (Net MWe): 912
7. Maximum Dependable Capacity (Gross MWe): 897
8. Maximum Dependable Capacity (Net MWe): 858
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	24,264.0
13. Hours Reactor Critical	621.4	5,261.6	16,156.2
14. Rx Reserve Shtdwn Hrs	.0	324.8	1,338.5
15. Hrs Generator On-Line	585.6	5,026.9	15,568.7
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	1,300,220	12,465,192	38,251,061
18. Gross Elec Ener (MWH)	418,604	4,003,386	12,375,304
19. Net Elec Ener (MWH)	396,829	3,807,388	11,778,386
20. Unit Service Factor	78.7	57.4	64.2
21. Unit Avail Factor	78.7	57.4	64.5
22. Unit Cap Factor (MDC Net)	62.2	50.7	56.6
23. Unit Cap Factor (DER Net)	58.5	47.7	53.2
24. Unit Forced Outage Rate	21.3	23.3	20.8
25. Forced Outage Hours	158.4	1,528.8	4,098.4

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

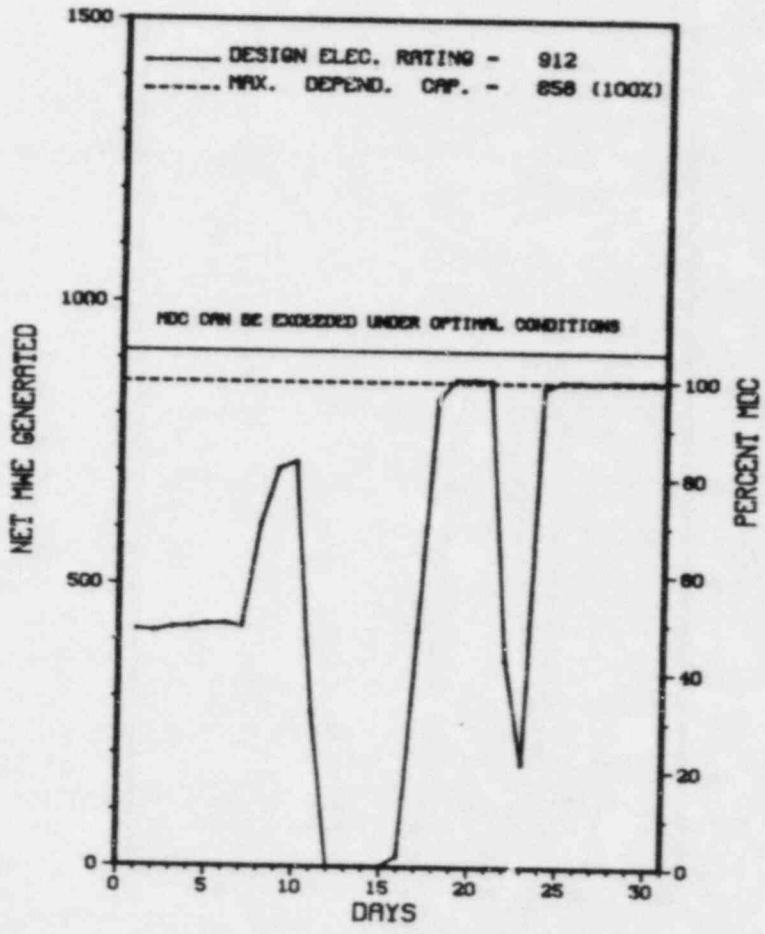
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

ARKANSAS 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-14	12/11/82	F	131.1	A	3		RB	CRDRVE	DROPPED CEA DUE TO A FAILED UPPER GRIPPER COIL. THE COIL WAS REPLACED.
82-15	12/22/82	F	27.3	H	3		ZZ	ZZZZZZ	SPURIOUS TRIP. THE EXACT CAUSE WAS UNDETERMINED.

SUMMARY

ARKANSAS 2 OPERATED ROUTINELY WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 DEC 1982

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.....L. CALLAN

LICENSING PROJ MANAGER.....E. TOURIGNY
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 SEPTEMBER 7-17, 1982 (82-27): SPECIAL, ANNOUNCED INSPECTION TO REVIEW AND VERIFY THAT LICENSEE ACTIONS TAKEN, AND COMMITMENTS MADE, IN RESPONSE TO NRC COMMUNICATIONS WERE CARRIED OUT AS INDICATED. FOUR CATEGORIES OF NRC DOCUMENTS, WHICH NORMALLY REQUIRE ACTIONS OR COMMITMENTS BY LICENSEES, WERE COVERED BY THIS REVIEW: IE BULLETINS, NRC INSPECTION REPORTS, NUREG-0737 ITEMS, AND NRR GENERIC LETTERS. NRC COMMUNICATIONS AND CORRESPONDING LICENSEE RESPONSES, SINCE APRIL 1979, WERE INCLUDED IN THIS REVIEW. A TOTAL OF 112 MAN-HOURS WAS SPENT BY SIX NRC STAFF MEMBERS IN REVIEWING NRC AND LICENSEE CORRESPONDENCE IN-OFFICE TO IDENTIFY SPECIFIC COMMITMENTS. AN ADDITIONAL 246 MAN-HOURS WERE SPENT ONSITE IN VERIFYING THAT THESE COMMITMENTS HAD BEEN COMPLETED AS INDICATED IN LICENSEE CORRESPONDENCE TO THE NRC. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED TO THE LICENSEE AS A RESULT OF THIS SPECIAL REVIEW EFFORT. CERTAIN ITEMS OF CONCERN WERE IDENTIFIED WHICH COULD RESULT IN FUTURE ENFORCEMENT ACTIONS. THESE ITEMS WERE DISCUSSED WITH THE LICENSEE.

INSPECTION CONDUCTED DURING PERIOD OF OCTOBER 1-31, 1982 (82-29): ROUTINE, ANNOUNCED INSPECTION INCLUDING FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, LER FOLLOWUP, INSPECTION DURING LONG-TERM SHUTDOWN, REFUELING ACTIVITIES, AND IE BULLETIN FOLLOWUP. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED OCTOBER 18-21, 1982 (82-30): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - PERSONNEL; PHYSICAL BARRIERS - PROTECTED AREAS; ALARM STATIONS; 10 CFR 73, APPENDIX B AND INDEPENDENT INSPECTION EFFORT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR71.5, "TRANSPORTATION OF LICENSED MATERIAL" PROHIBITS A LICENSEE FROM DELIVERING ANY LICENSED MATERIAL TO A CARRIER FOR TRANSPORT OR TRANSPORTING LICENSED MATERIAL UNLESS THE LICENSEE COMPLIES WITH THE APPLICABLE REQUIREMENTS OF THE REGS APPROPRIATE TO THE MODE OF TRANSPORT OF THE DEPT OF TRANSP IN 49CFR PARTS 170-189. 49CFR173.394, "RADIOACTIVE MATERIALS IN SPECIAL FORM" AND 49CFR173.395, "RADIOACTIVE MATERIALS IN NORMAL FORM" REQUIRE THAT TYPE A QUANTITIES OF SPECIAL AND NORMAL FORM RADIOACTIVE MATERIAL MUST BE PACKAGED FOR TRANSPORT IN A CONTAINER MEETING DOT SPECIFICATION 7A GENERAL PACKAGING REQUIREMENTS AND MAINTAIN ON FILE, FOR AT LEAST ONE YR AFTER THE LATEST SHIPMENT, A COMPLETE CERTIFICATION AND SUPPORTING DOCUMENTATION THAT THE PACKAGE MEETS INSTRUCTION AND DESIGN REQUIREMENTS. CONTRARY TO THE ABOVE, FOUR SHIPMENTS OF RADIOACTIVE MATERIALS SHIPPED FROM THE SITE BETWEEN OCT 1981 AND JUNE 25, 1982 WERE SHIPPED AS TYPE A QUANTITIES IN VARIOUS CONTAINERS, FOR WHICH THE LICENSEE COULD NOT PROVIDE THE CONTAINER CERTIFICATION AS REQUIRED BY 49CFR 173.394 AND 173.395.
(8211 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: OCTOBER 18-21, 1982

INSPECTION REPORT NO: 50-368/82-30

REPORTS FROM LICENSEE

ARKANSAS 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-29 03L-0	09/18/82	10/15/82	FIRE BARRIER (CURTAIN) INTEGRITY VIOLATION
82-34 03L-0	11/07/82	12/07/82	LOW LEVEL IN SIT "C"
82-36 03L-0	11/08/82	12/07/82	FAILURE OF EFW VLV 2CV-1062-2
82-37 03L-0	11/10/82	12/07/82	FAILURE OF CHARGING PUMP 2P-36A
82-38 03L-0	11/11/82	12/07/82	INCORRECT WIRING OF EFW VALVE 2CV-1076
82-39 03L-0	11/12/82	12/13/82	DEGRADED FIRE BARRIERS
82-42 03L-0	12/10/82	12/10/82	INCORRECT CPC SHAPE ANNEALING MATRIX COEFFICIENTS

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1. Docket: 50-334 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: J. L. HOLTZ (412) 643-1369
4. Licensed Thermal Power (MWt): 2660
5. Nameplate Rating (Gross MWe): 1026 X 0.9 = 923
6. Design Electrical Rating (Net MWe): 852
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	8,760.0	58,464.0
13. Hours Reactor Critical	744.0	3,758.2	24,821.5
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	744.0	3,646.1	23,800.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,810,831	8,881,239	52,510,176
18. Gross Elec Ener (MWH)	591,300	2,862,200	16,512,640
19. Net Elec Ener (MWH)	564,277	2,388,163	15,212,027
20. Unit Service Factor	100.0	41.6	42.5
21. Unit Avail Factor	100.0	41.6	42.5
22. Unit Cap Factor (MDC Net)	93.6	37.9	37.7
23. Unit Cap Factor (DER Net)	89.0	36.0	35.8
24. Unit Forced Outage Rate	.0	39.3	38.2
25. Forced Outage Hours	.0	2,365.3	17,430.8

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

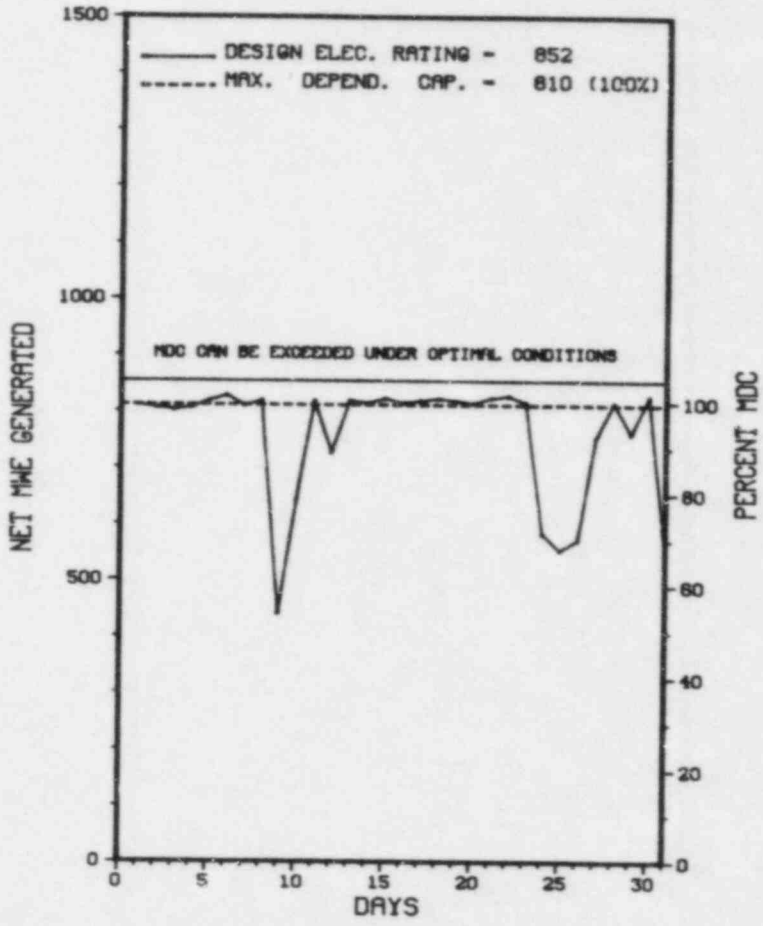
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BEAVER VALLEY 1

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

SUMMARY

BEAVER VALLEY 1 OPERATED ROUTINELY DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....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.....W. TROSKOSKI

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1, APPENDIX A TO RG 1.33-1972 & THE BVPS RADCON MANUAL PROCEDURES 8.1 & 8.4, A RADIOLOGICAL WORK PERMIT (ACCESS CONTROL) (RACP) WAS IMPROPERLY USED IN LIEU OF A RADIOLOGICAL WORK PERMIT (RWP) ON 10/20/82, DURING FLUSHING OF THE CATION BED ION-EXCHANGER (CH-I-2) WITH PRIMARY COOLANT TO THE PAB SUMP, RESULTING IN HIGH AIRBORNE ACTIVITY & PERSONNEL CONTAMINATION.
(8225 4)

CONTRARY TO TS 6.8.2, THE CONTROL ROOM NOTEBOOK OF TANK CURVES USED TO CORRELATE TANK LEVELS WITH VOLUMES FOR VARIOUS PLANT SYSTEMS, HAS RECEIVED NEITHER OSC REVIEW NOR PLANT SUPERINTENDENT APPROVAL.

CONTRARY TO TS 6.8.1, APPENDIX A OF RG 1.33-1972, & THE BVPS OM 1.48.3, SECTION G, ADHERENCE TO OPERATING PROCEDURES, THE LINEUP OF THE PRIMARY WATER SUPPLY SYSTEM WAS ALTERED IN VIOLATION OF OM 1.8.4 ON 10/18/82, RESULTING IN THE OVERFLOW OF PRIMARY WATER STORAGE TANK BR-TK-6A.
(8225 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: 50-155 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: SUE AMSTUTZ (616) 547-6537
4. Licensed Thermal Power (MWt): 240
5. Nameplate Rating (Gross MWe): 70.6 X 0.85 = 60
6. Design Electrical Rating (Net MWe): 72
7. Maximum Dependable Capacity (Gross MWe): 69
8. Maximum Dependable Capacity (Net MWe): 64
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	173,227.0
13. Hours Reactor Critical	697.0	6,321.4	121,423.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	682.8	6,198.5	119,070.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	143,328	1,203,023	22,348,926
18. Gross Elec Ener (MWH)	45,667	382,039	7,045,350
19. Net Elec Ener (MWH)	43,136	359,883	6,663,621
20. Unit Service Factor	91.8	70.8	68.7
21. Unit Avail Factor	91.8	70.8	68.7
22. Unit Cap Factor (MDC Net)	90.6	64.2	57.0*
23. Unit Cap Factor (DER Net)	80.5	57.1	53.4
24. Unit Forced Outage Rate	8.2	12.9	18.7
25. Forced Outage Hours	61.2	921.9	9,852.6

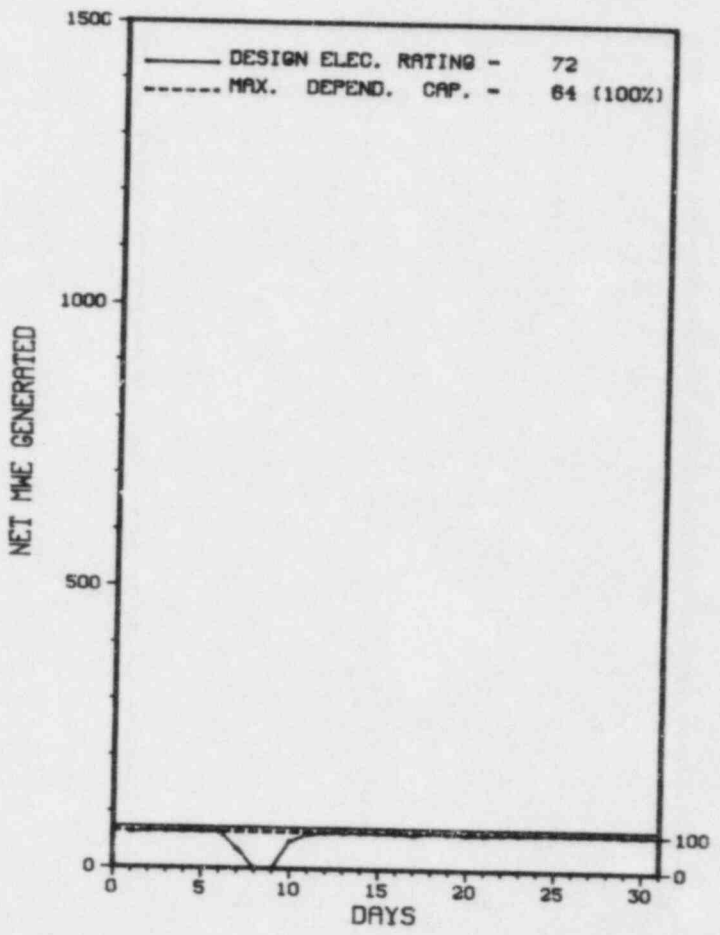
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BIG ROCK POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-08	12/07/82	F	61.2	A	3		HB	CKTBRK	BROKEN TERMINAL BLOCK CREATED A FALSE TURBINE STOP VALVE CLOSE SIGNAL TO THE MAIN GENERATOR OUTP'JT BREAKER. THIS CAUSED A TURBINE TRIP AND SUBSEQUENT REACTOR SCRAM ON HI FLUX. THE BROKEN TERMINAL BLOCK WAS REPLACED.

SUMMARY

BIG ROCK POINT 1 OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE DURING DECEMBER.

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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....CHARLEVOIX

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962

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

DATE COMMERCIAL OPERATE....MARCH 29, 1963

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....G. WRIGHT

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 16-19, (82-13): ROUTINE UNANNOUNCED INSPECTION TO REVIEW THE IMPLEMENTATION OF THE LICENSEES FIRE PROTECTION AND PREVENTION PROGRAMS INCLUDING FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; SURVEILLANCE TEST PROCEDURES AND FIRE SUPPRESSION SYSTEMS; AND ADMINISTRATIVE CONTROLS. THE INSPECTION INVOLVED 123 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 27 INSPECTOR-HOURS OFF-SHIFT. OF THE THREE AREAS INSPECTED, NO APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ONE AREA; THREE APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (MISSED SURVEILLANCE FOR VENTILATION FIRE DAMPERS; NO SURVEILLANCE TEST PERFORMED ON EMERGENCY LIGHTING UNITS; SEVERAL ADMINISTRATIVE PROCEDURES WERE NOT ESTABLISHED AND/OR ADHERED TO).

MEETING HELD ON OCTOBER 28 (82-16) TO REVIEW THE RESULTS OF THE NRC'S SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE COVERING THE PERIOD OF JULY 1, 1981 THROUGH JUNE 30, 1982.

INSPECTION ON SEPTEMBER 11 THROUGH OCTOBER 22, (82-17): ROUTINE SAFETY, RESIDENT INSPECTION INVOLVING FOLLOWUP ON OUTSTANDING INSPECTION ITEMS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED A TOTAL OF 256 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE FIVE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED, (IN THE AREAS OF DESIGN CONTROL AND DRAWING CONTROL).

INSPECTION ON OCTOBER 25-29, (82-18): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT/PERSONNEL/RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS (PROTECTED AND VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROLS

INSPECTION SUMMARY

(PERSONNEL/PACKAGES/VEHICLES); DETECTION AIDS (PROTECTED/VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; AND PREVIOUS ITEMS OF NONCOMPLIANCE. THE INSPECTION INVOLVED 66 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; SIX INSPECTOR-HOURS WERE ACCOMPLISHED DURING THE OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, CRITERION III, STATES IN PART (1) MEASURES SHALL BE ESTABLISHED TO ASSURE THAT STRUCTURES, SYSTEMS AND COMPONENTS ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES AND INSTRUCTIONS. THESE MEASURES SHALL INCLUDE PROVISIONS TO ASSURE THAT APPROPRIATE QUALITY STANDARDS ARE SPECIFIED AND INCLUDED IN DESIGN DOCUMENTS AND THAT DEVIATIONS FROM SUCH STANDARDS ARE CONTROLLED; AND (2) MEASURES SHALL BE ESTABLISHED FOR THE IDENTIFICATION AND CONTROL OF DESIGN INTERFACES AND FOR COORDINATION AMONG PARTICIPATING DESIGN ORGANIZATIONS THESE MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PROCEDURES AMONG PARTICIPATING DESIGN ORGANIZATIONS FOR THE REVIEW, APPROVAL, RELEASE, DISTRIBUTION AND REVISION OF DOCUMENTS INVOLVING DESIGN INTERFACES. CONTRARY TO THE ABOVE, THE LICENSEE'S PROCEDURES GOVERNING INTERFACE BETWEEN ONSITE AND OFFSITE ORGANIZATIONS WERE NOT ADEQUATE TO ASSURE THAT DESIGN MODIFICATION FC-510, ELIMINATION OF POTENTIAL SINGLE FAILURES TO CONTAINMENT VENT VALVES, WAS TRANSLATED INTO PLANT DRAWINGS.

10 CFR 50, APPENDIX B, CRITERION VI, "DOCUMENT CONTROL" STATES IN PART; "MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS... THESE MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE... DISTRIBUTED TO AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED." CONTRARY TO THE ABOVE FOUR CONTROL COPY VOLUMES OF THE PLANT'S PRINTS CONTAINED NUMEROUS DISCREPANCIES IN CHANGES ISSUED. FURTHER, THE PRESENT METHOD OF NOTING CHANGES DOES NOT ALLOW FOR "USE AT THE LOCATION" INASMUCH AS THE CHANGES ARE NOTED BY NUMBER ONLY AND DO NOT DETAIL THE CHANGE.
(8217 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: OCTOBER 23 THROUGH DECEMBER 31, 1982

INSPECTION REPORT NO: 82-20

REPORTS FROM LICENSEE

BIG ROCK POINT 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-30/ 03L-0	11/05/82	12/02/82	AUDIBLE ALARM UNIT FOR FIRE DETECTION EQUIPMENT FOUND INOPERABLE.

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1. Docket: 50-259 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: TED THOM (205) 729-0834
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

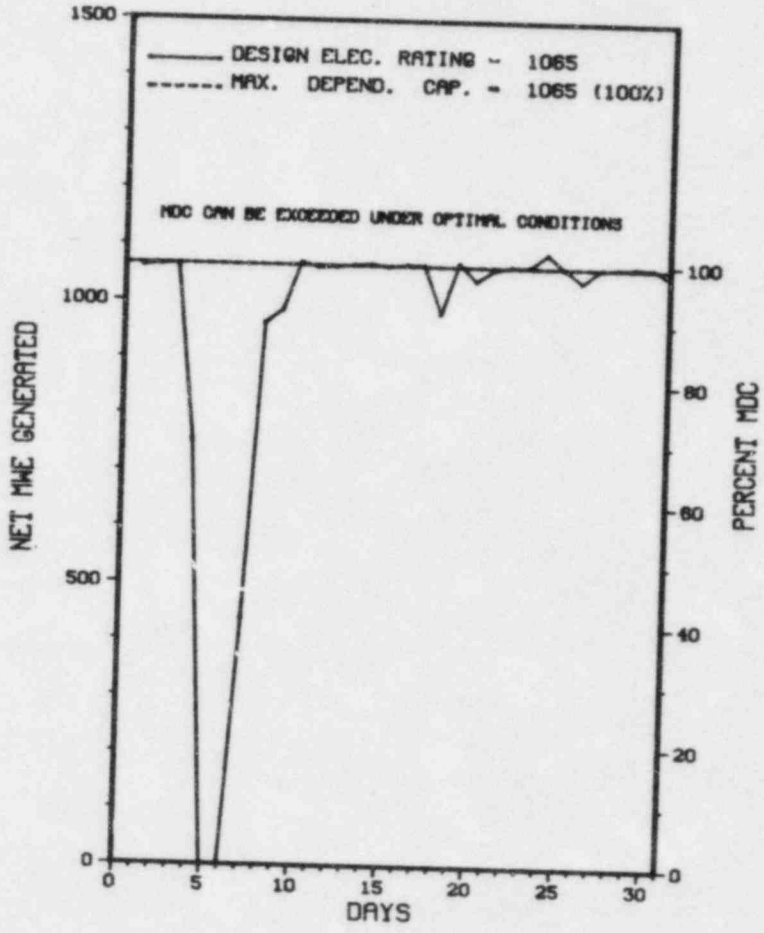
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	73,802.0
13. Hours Reactor Critical	686.9	8,074.7	47,389.4
14. Rx Reserve Shtdwn Hrs	57.1	522.0	5,737.0
15. Hrs Generator On-Line	683.2	7,970.0	46,400.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,196,238	24,898,097	131,773,004
18. Gross Elec Ener (MWH)	729,940	8,108,270	43,400,720
19. Net Elec Ener (MWH)	711,479	7,880,870	42,149,779
20. Unit Service Factor	91.8	91.0	62.9
21. Unit Avail Factor	91.8	91.0	62.9
22. Unit Cap Factor (MDC Net)	89.8	84.5	53.6
23. Unit Cap Factor (DER Net)	89.8	84.5	53.6
24. Unit Forced Outage Rate	8.2	8.5	24.5
25. Forced Outage Hours	60.8	737.5	15,020.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING/NRC MODS. - 04/15/83 - 4 MOS.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
249	12/04/82	F	53.9	B	1				REACTOR SCRAM TO REPAIR LEAK ON DISCHARGE LINE OF "B" REACTOR FEEDWATER PUMP.
250	12/06/82	F	6.9	A	3				REACTOR SCRAM ON "A" AND "F" IRM SPIKE WHEN CONTROL ROD 18-51 DOUBLE NOTCHED.
251	12/08/82	F	0.0	B	5				DERATED TO REPAIR AN OIL LEAK ON "A" RECIRCULATION PUMP M-G SET.
252	12/20/82	S	0.0	B	5				DERATED FOR MSIV 10% AND FULL CLOSURE SI'S.

SUMMARY

BROWNS FERRY 1 OPERATED WITH 2 OUTAGES AND 2 REDUCTIONS DURING DECEMBER.

Type

F-Forced
S-Sched

Reason

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

Method

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

System & Component

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 17, 1973

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

DATE COMMERCIAL OPERATE....AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-4 (82-38): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 25-26 (82-39): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREA OF SHIPMENT OF RADIOACTIVE MATERIALS. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND.

INSPECTION OCTOBER 26 - NOVEMBER 25 (82-41): THIS ROUTINE INSPECTION INVOLVED 43 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE, REPORTABLE OCCURRENCES, EMERGENCY DRILL, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND.

ENFORCEMENT SUMMARY

AS A RESULT OF THE INVESTIGATION CONDUCTED ON AUGUST 25, 1982, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 47 FR 9987 (MARCH 9, 1982), THE FOLLOWING VIOLATIONS WERE IDENTIFIED. 10CFR71.51(A) REQUIRES A LICENSEE, WHO TRANSPORTS ANY LICENSED MATERIAL OUTSIDE THE CONFINES OF HIS PLANT OR OTHER PLACE OF USE, OR DELIVERS ANY LICENSED MATERIAL FOR TRANSPORT, TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION REGULATIONS PRESENTED TIN 49CFR PARTS 170 THROUGH 189 INSOFAR AS SUCH REGULATIONS RELATE TO THE PACKAGING OF BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL, MAKING AND LABELING OF THE PACKAGES,

ENFORCEMENT SUMMARY

LOADING AND STORAGE OF PACKAGES, PLACARDING OF THE TRANSPORTATION VEHICLE, MONITORING REQUIREMENTS AND ACCIDENT REPORTING. 49CFR173.24(C)(5), REQUIRES THAT PACKAGING MATERIALS AND CONTENTS SHALL BE SUCH THAT THERE WILL BE NO SIGNIFICANT CHEMICAL OR GALVANIC REACTION AMONG ANY OF THE MATERIALS IN THE PACKAGE. 49CFR173.393(N)(1) REQUIRES, PRIOR TO EACH SHIPMENT OF ANY PACKAGE, THE SHIPPER SHALL INSURE BY EXAMINATION OR APPROPRIATE TEST THAT THE PACKAGE IS PROPER FOR THE CONTENTS TO BE SHIPPED. TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES, WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS BE PREPARED, APPROVED AND ADHERED TO COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.F.2 REQUIRES, EACH SHIPMENT OF RADIOACTIVE MATERIAL TO BE ACCOMPANIED BY A COMPLETED AND ACCURATE RADIOACTIVE MATERIAL SHIPMENT RECORD DESCRIBING THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED. CONTRARY TO THE ABOVE, ON AUGUST 17, 1982, THE LICENSEE SHIPPED RADIOACTIVE MATERIAL OF LOW SPECIFIED ACTIVITY (LSA), TVA SHIPMENT NO. 1862, TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WHICH FAILED TO MEET THESE REQUIREMENTS IN THAT THE LICENSEE DID NOT PERFORM AN ADEQUATE TEST OR EXAMINATION OF THE CONTENTS OF ONE 55-GALLON DRUM CONTAINING AN ESTIMATED 1 TO 2 LITERS OF ACIDIC SOLUTION, WHICH LATER CAUSED A BREACH OF THE CONTAINER. ALSO THE RADIOACTIVE MATERIAL SHIPMENT RECORD REQUIRED BY PROCEDURE RCI-5, SECTION V.F.2., WRITTEN IN ACCORDANCE WITh TECHNICAL SPECIFICATION 6.3.A.7, DID NOT ACCURATELY DESCRIBE THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED.

(8226 3)

TECHNICAL SPECIFICATION 6.3.A.7, REQUIRES THE LICENSEE TO HAVE WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS WHICH SHALL BE PREPARED, APPROVED, AND ADHERED TO, COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.A.8 REQUIRES SHIPPING CONTAINERS TO BE PROPERLY PACKAGED IN ACCORDANCE WITH 49CFR PARTS 100 THROUGH 199 AND 10CFR71. CONTRARY TO THE ABOVE, ON JULY 20, 1982, THE LICENSEE DELIVERED A SHIPMENT OF RADIOACTIVE MATERIAL FOR TRANSPORT, (TVA SHIPMENT NO. 1840), TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WITHOUT THE PROPER LABELS (RADIOACTIVE LSA) ATTACHED TO EIGHT WOODEN CONTAINERS, AS REQUIRED BY 49CFR173.392(C)(8).

(8226 4)

FAILURE TO ADEQUATELY MAINTAIN LOCK INVENTORY. FAILURE TO MAINTAIN ILLUMINATION STANDARDS. FAILURE TO MEET PA SEARCH REQUIREMENTS. FAILURE TO COMPLY WITH VEHICULAR CONTROL RESTRICTIONS.

(8230 4)

FAILURE TO MAINTAIN EXTERIOR ISOLATION ZONE.
(8230 5)

FAILURE TO COMPLY WITH ESTABLISHED PROCEDURES FORCONTROLLING ACCESS TO A VITAL AREA.
(8236 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

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

OTHER ITEMS

NONE.

PLANT STATUS:

FULL POWER OPERATION.

LAST IE SITE INSPECTION DATE: OCTOBER 26 - NOVEMBER 25, 1982 +

INSPECTION REPORT NO: 50-259/82-41 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-076/ 03L-0	09/25/82	10/19/82	TURBINE BUILDING ROOF VENT MONITOR BECAME INOPERABLE DUE TO CAM PUMP DRIVE MOTOR FAILURE
82-078/ 01T-0	10/12/82	10/25/82	PRIMARY CONTAINMENT GROSS LEAKAGE RATE IN EXCESS OF TECHNICAL SPECIFICATION LIMITS, THE PROCEDURE WAS REVISED
82-079/ 01T-0	10/11/82	10/25/82	TEST BYPASS VALVES DID NOT MEET THE REQUIRED CLOSING TIME - SWITCHES WERE ADJUSTED
82-084/ 03L-0	10/18/82	11/16/82	LEVEL INDICATING SWITCHES, CALIBRATIONS DRIFTED SWITCHES WERE RECALIBRATED, FUNCTIONALLY TESTED, AND RETURNED SERVICE
82-087/ 03L-0	10/24/82	11/19/82	CAPACITOR C8 IN THE BASLER ELECTRIC CO. VOLTAGE REGULATOR FAILED, THE REGULATOR WAS REPLACED
82-088/ 03L-0	10/28/82	11/23/82	MOMENTARY BREACH OF SECONDARY CONTAINMENT PERSONNEL ACCESS AIRLOCK DOORS BETWEEN UNIT 2 REACTOR BUILDING AND THE TURBINE BUILDING BEING OPENED SIMULTANEOUSLY SOLENOID ASSEMBLY

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

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	68,713.0
13. Hours Reactor Critical	.0	4,846.5	43,293.3
14. Rx Reserve Shtdwn Hrs	.0	203.0	13,684.7
15. Hrs Generator On-Line	.0	4,778.4	41,975.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	13,757,057	120,409,847
18. Gross Elec Ener (MWH)	0	4,592,260	40,024,908
19. Net Elec Ener (MWH)	0	4,450,929	38,873,075
20. Unit Service Factor	.0	54.5	61.1
21. Unit Avail Factor	.0	54.5	61.1
22. Unit Cap Factor (MDC Net)	.0	47.7	53.1
23. Unit Cap Factor (DER Net)	.0	47.7	53.1
24. Unit Forced Outage Rate	.0	5.5	27.1
25. Forced Outage Hours	.0	280.3	15,686.9

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

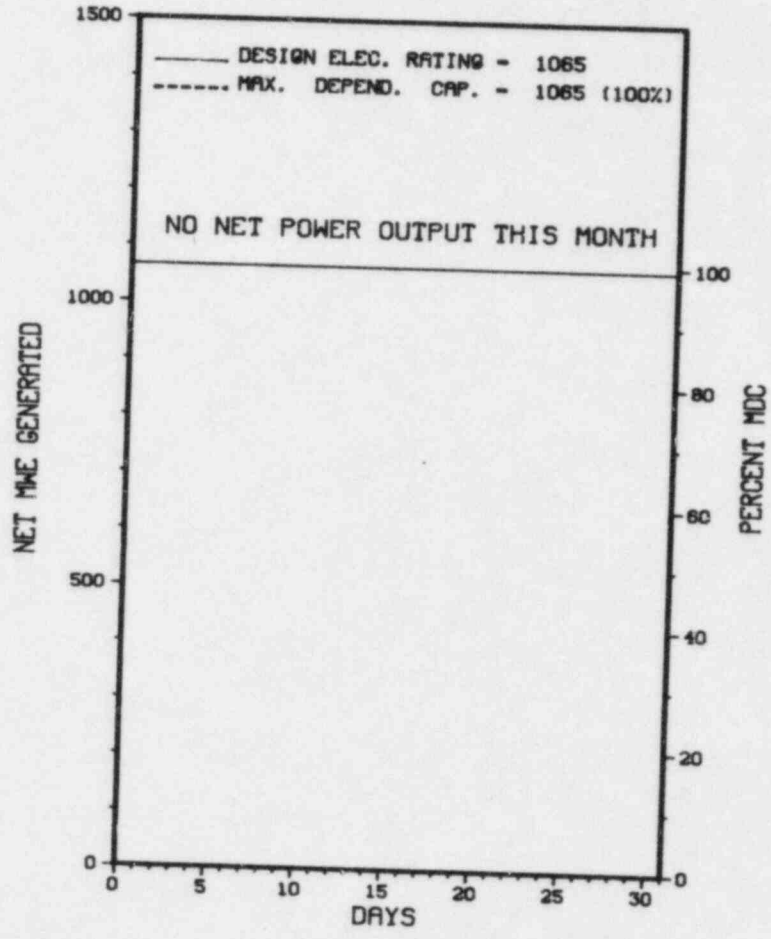
NONE

27. If Currently Shutdown Estimated Startup Date: 02/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
243	07/30/82	S	744.0	H	4		RC	FUELXX	EDC-4 REFUEL OUTAGE CONTINUES.

SUMMARY

BROWNS FERRY 2 REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 20, 1974

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

DATE COMMERCIAL OPERATE....MARCH 1, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-4 (82-38): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 54 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 25-26 (82-39): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREA OF SHIPMENT OF RADIOACTIVE MATERIALS. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND.

INSPECTION OCTOBER 26 - NOVEMBER 25 (82-41): THIS ROUTINE INSPECTION INVOLVED 43 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE, REPORTABLE OCCURRENCES, EMERGENCY DRILL, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND.

ENFORCEMENT SUMMARY

AS A RESULT OF THE INVESTIGATION CONDUCTED ON AUGUST 25, 1982, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 47 FR 9987 (MARCH 9, 1982), THE FOLLOWING VIOLATIONS WERE IDENTIFIED. 10CFR71.51(A) REQUIRES A LICENSEE, WHO TRANSPORTS ANY LICENSED MATERIAL OUTSIDE THE CONFINES OF HIS PLANT OR OTHER PLACE OF USE, OR DELIVERS ANY LICENSED MATERIAL FOR TRANSPORT, TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION REGULATIONS PRESENTED TIN 49CFR PARTS 170 THROUGH 189 INSOFAR AS SUCH REGULATIONS RELATE TO THE PACKAGING OF BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL, MAKING AND LABELING OF THE PACKAGES,

ENFORCEMENT SUMMARY

LOADING AND STORAGE OF PACKAGES, PLACARDING OF THE TRANSPORTATION VEHICLE, MONITORING REQUIREMENTS AND ACCIDENT REPORTING. 49CFR173.24(C)(5), REQUIRES THAT PACKAGING MATERIALS AND CONTENTS SHALL BE SUCH THAT THERE WILL BE NO SIGNIFICANT CHEMICAL OR GALVANIC REACTION AMONG ANY OF THE MATERIALS IN THE PACKAGE. 49CFR173.393(N)(1) REQUIRES, PRIOR TO EACH SHIPMENT OF ANY PACKAGE, THE SHIPPER SHALL INSURE BY EXAMINATION OR APPROPRIATE TEST THAT THE PACKAGE IS PROPER FOR THE CONTENTS TO BE SHIPPED. TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES, WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS BE PREPARED, APPROVED AND ADHERED TO COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.F.2 REQUIRES, EACH SHIPMENT OF RADIOACTIVE MATERIAL TO BE ACCOMPANIED BY A COMPLETED AND ACCURATE RADIOACTIVE MATERIAL SHIPMENT RECORD DESCRIBING THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED. CONTRARY TO THE ABOVE, ON AUGUST 17, 1982, THE LICENSEE SHIPPED RADIOACTIVE MATERIAL OF LOW SPECIFIED ACTIVITY (LSA), TVA SHIPMENT NO. 1862, TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WHICH FAILED TO MEET THESE REQUIREMENTS IN THAT THE LICENSEE DID NOT PERFORM AN ADEQUATE TEST OR EXAMINATION OF THE CONTENTS OF ONE 55-GALLON DRUM CONTAINING AN ESTIMATED 1 TO 2 LITERS OF ACIDIC SOLUTION, WHICH LATER CAUSED A BREACH OF THE CONTAINER. ALSO THE RADIOACTIVE MATERIAL SHIPMENT RECORD REQUIRED BY PROCEDURE RCI-5, SECTION V.F.2., WRITTEN IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.3.A.7, DID NOT ACCURATELY DESCRIBE THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED.

(8226 3)

TECHNICAL SPECIFICATION 6.3.A.7, REQUIRES THE LICENSEE TO HAVE WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS WHICH SHALL BE PREPARED, APPROVED, AND ADHERED TO, COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.A.8 REQUIRES SHIPPING CONTAINERS TO BE PROPERLY PACKAGED IN ACCORDANCE WITH 49CFR PARTS 100 THROUGH 199 AND 10CFR71. CONTRARY TO THE ABOVE, ON JULY 20, 1982, THE LICENSEE DELIVERED A SHIPMENT OF RADIOACTIVE MATERIAL FOR TRANSPORT, (TVA SHIPMENT NO. 1840), TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WITHOUT THE PROPER LABELS (RADIOACTIVE LSA) ATTACHED TO EIGHT WOODEN CONTAINERS, AS REQUIRED BY 49CFR173.392(C)(8).

(8226 4)

FAILURE TO ADEQUATELY MAINTAIN LOCK INVENTORY. FAILURE TO MAINTAIN ILLUMINATION STANDARDS. FAILURE TO MEET PA SEARCH REQUIREMENTS. FAILURE TO COMPLY WITH VEHICULAR CONTROL RESTRICTIONS.

(8230 4)

FAILURE TO MAINTAIN EXTERIOR ISOLATION ZONE.
(8230 5)

FAILURE TO COMPLY WITH ESTABLISHED PROCEDURES FORCONTROLLING ACCESS TO A VITAL AREA.
(8236 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

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

OTHER ITEMS

NONE.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 26 - NOVEMBER 25, 1982 +

INSPECTION REPORT NO: 50-260/82-41 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-028/ 03L-0	09/21/82	10/19/82	THE TURBINE TO REACTOR BUILDING DOORS OPENED SIMULTANEOUSLY WHEN THE FOLGER ADAMS INTERLOCK SYSTEM FAILED
82-029/ 03L-0	09/21/82	10/19/82	LEAK WAS DISCOVERED IN A 3-INCH FIRE PROTECTION LINE CAUSED BY CORROSION ULTRASONIC TESTS WILL BE CONDUCTED
82-033/ 03L-0	10/15/82	11/15/82	METHYL IODINE REMOVAL EFFICIENCY BELOW THE LIMIT DUE TO MATERIALS USED IN PRIMARY CONTAINMENT
82-034/ 03L-0	10/22/82	11/19/82	PRIMARY CONTAINMENT PURGE SYSTEM WAS NOT TESTED AFTER 720 HOURS OF OPERATION DUE TO INCORRECT LOGGING OF SYSTEM RUN TIME
82-035/ 03L-0	11/01/82	11/23/82	MECHANICAL SNUBBER ON MAIN STEAM LINE FOUND TO BE INOPERABLE SNUBBER WILL BE REPLACED

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

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	51,168.0
13. Hours Reactor Critical	744.0	5,145.2	37,613.1
14. Rx Reserve Shtdwn Hrs	.0	1,230.6	3,372.2
15. Hrs Generator On-Line	744.0	5,023.2	36,774.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,326,246	15,455,293	109,313,913
18. Gross Elec Ener (MWH)	766,790	5,041,600	36,039,790
19. Net Elec Ener (MWH)	748,175	4,892,858	34,981,804
20. Unit Service Factor	100.0	57.3	71.9
21. Unit Avail Factor	100.0	57.3	71.9
22. Unit Cap Factor (MDC Net)	94.4	52.4	64.2
23. Unit Cap Factor (DER Net)	94.4	52.4	64.2
24. Unit Forced Outage Rate	.0	20.6	11.0
25. Forced Outage Hours	.0	1,300.3	4,533.4

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

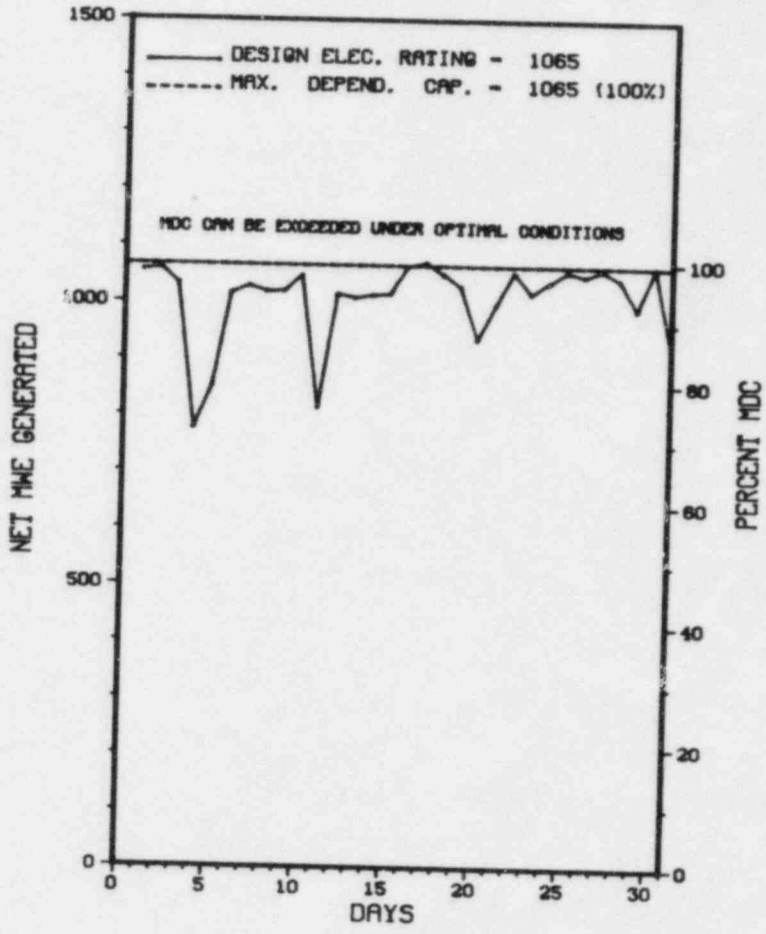
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
117	12/03/82	F	0.0	B	5				DERATED TO REMOVE "A" REACTOR FEED PUMP FROM SERVICE FOR MAINTENANCE.
118	12/11/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
119	12/28/82	F	0.0	B	5				DERATED TO REMOVE "A" REACTOR FEEDWATER PUMP FROM SERVICE FOR MAINTENANCE.
120	12/29/82	F	0.0	B	5				DERATED TO REMOVE "C" REACTOR FEEDWATER PUMP FROM SERVICE FOR MAINTENANCE
121	12/31/82	F	0.0	B	5				DERATED TO REMOVE "C" REACTOR FEEDWATER PUMP FROM SERVICE FOR MAINTENANCE.

SUMMARY

BROWNS FERRY 3 OPERATED WITH SEVERAL REDUCTIONS AND NO OUTAGES DURING DECEMBER.

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

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

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....LIMESTONE

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....TENNESSEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. PAULK

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

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

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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-4 (82-38): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 53 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 25-26 (82-39): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 3 INSPECTOR-HOURS ON SITE IN THE AREA OF SHIPMENT OF RADIOACTIVE MATERIALS. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND.

INSPECTION OCTOBER 26 - NOVEMBER 25 (82-41): THIS ROUTINE INSPECTION INVOLVED 43 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE TESTING, MAINTENANCE, REPORTABLE OCCURRENCES, EMERGENCY DRILL, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND.

ENFORCEMENT SUMMARY

AS A RESULT OF THE INVESTIGATION CONDUCTED ON AUGUST 25, 1982, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 47 FR 9987 (MARCH 9, 1982), THE FOLLOWING VIOLATIONS WERE IDENTIFIED. 10CFR71.51(A) REQUIRES A LICENSEE, WHO TRANSPORTS ANY LICENSED MATERIAL OUTSIDE THE CONFINES OF HIS PLANT OR OTHER PLACE OF USE, OR DELIVERS ANY LICENSED MATERIAL FOR TRANSPORT, TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION REGULATIONS PRESENTED TIN 49CFR PARTS 170 THROUGH 189 INSOFAR AS SUCH REGULATIONS RELATE TO THE PACKAGING OF BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL, MAKING AND LABELING OF THE PACKAGES,

ENFORCEMENT SUMMARY

LOADING AND STORAGE OF PACKAGES, PLACARDING OF THE TRANSPORTATION VEHICLE, MONITORING REQUIREMENTS AND ACCIDENT REPORTING. 49CFR173.24(C)(5), REQUIRES THAT PACKAGING MATERIALS AND CONTENTS SHALL BE SUCH THAT THERE WILL BE NO SIGNIFICANT CHEMICAL OR GALVANIC REACTION AMONG ANY OF THE MATERIALS IN THE PACKAGE. 49CFR173.393(N)(1) REQUIRES, PRIOR TO EACH SHIPMENT OF ANY PACKAGE, THE SHIPPER SHALL INSURE BY EXAMINATION OR APPROPRIATE TEST THAT THE PACKAGE IS PROPER FOR THE CONTENTS TO BE SHIPPED. TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES, WRITTEN PROCEDURES, INCLUDING APPLICABLE CHECKOFF LISTS BE PREPARED, APPROVED AND ADHERED TO COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.F.2 REQUIRES, EACH SHIPMENT OF RADIOACTIVE MATERIAL TO BE ACCOMPANIED BY A COMPLETED AND ACCURATE RADIOACTIVE MATERIAL SHIPMENT RECORD DESCRIBING THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED. CONTRARY TO THE ABOVE, ON AUGUST 17, 1982, THE LICENSEE SHIPPED RADIOACTIVE MATERIAL OF LOW SPECIFIED ACTIVITY (LSA), TVA SHIPMENT NO. 1862, TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WHICH FAILED TO MEET THESE REQUIREMENTS IN THAT THE LICENSEE DID NOT PERFORM AN ADEQUATE TEST OR EXAMINATION OF THE CONTENTS OF ONE 55-GALLON DRUM CONTAINING AN ESTIMATED 1 TO 2 LITERS OF ACIDIC SOLUTION, WHICH LATER CAUSED A BREACH OF THE CONTAINER. ALSO THE RADIOACTIVE MATERIAL SHIPMENT RECORD REQUIRED BY PROCEDURE RCI-5, SECTION V.F.2., WRITTEN IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.3.A.7, DID NOT ACCURATELY DESCRIBE THE PROPER PHYSICAL AND CHEMICAL FORM OF THE MATERIAL BEING SHIPPED.

(8226 3)

TECHNICAL SPECIFICATION 6.3.A.7, REQUIRES THE LICENSEE TO HAVE WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS WHICH SHALL BE PREPARED, APPROVED, AND ADHERED TO, COVERING RADIATION CONTROL PROCEDURES. RADIATION CONTROL INSTRUCTION 5, SHIPMENT OF RADIOACTIVE MATERIALS, SECTION V.A.8 REQUIRES SHIPPING CONTAINERS TO BE PROPERLY PACKAGED IN ACCORDANCE WITH 49CFR PARTS 100 THROUGH 199 AND 10CFR71. CONTRARY TO THE ABOVE, ON JULY 20, 1982, THE LICENSEE DELIVERED A SHIPMENT OF RADIOACTIVE MATERIAL FOR TRANSPORT, (TVA SHIPMENT NO. 1840), TO U.S. ECOLOGY, INC., RICHLAND, WASHINGTON, FOR BURIAL WITHOUT THE PROPER LABELS (RADIOACTIVE LSA) ATTACHED TO EIGHT WOODEN CONTAINERS, AS REQUIRED BY 49CFR173.392(C)(8).

(8226 4)

FAILURE TO ADEQUATELY MAINTAIN LOCK INVENTORY. FAILURE TO MAINTAIN ILLUMINATION STANDARDS. FAILURE TO MEET PA SEARCH REQUIREMENTS. FAILURE TO COMPLY WITH VEHICULAR CONTROL RESTRICTIONS.

(8230 4)

FAILURE TO MAINTAIN EXTERIOR ISOLATION ZONE.
(8230 5)

FAILURE TO COMPLY WITH ESTABLISHED PROCEDURES FORCONTROLLING ACCESS TO A VITAL AREA.
(8236 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LOOSE SHROUD ON "C" LOW PRESSURE TURBINE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

OTHER ITEMS

NONE.

PLANT STATUS:

ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: OCTOBER 26 - NOVEMBER 25, 1982 +

INSPECTION REPORT NO: 50-296/82-41 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-000/ 03L-0	10/22/82	11/19/82	STANDBY LIQUID CONTROL SYSTEM TEST VALVE WAS DISCOVERED NOT OPERABLE. DUE TO THE SEVERE THROTTLING SERVICE WHEN PERFORMING SURVEILLANCE INSTRUCTIONS
82-046/ 03L-0	09/28/82	10/27/82	MECHANICAL REMOTE SPEED CONTROL GOVERNOR FAILED ON THE DIESEL GENERATOR
82-049/ 03L-0	10/18/82	11/16/82	REACTOR LOW WATER LEVEL SWITCH AS-FOUND CALIBRATION WAS 537.03 INCHES. DUE TO LEVEL INDICATING SWITCH, RUBBING THE ACTUATOR ARM
82-051/ 03L-0	10/21/82	11/17/82	PACKING ON THE FLOW CONTROL VALVE OF THE NMC CONTINUOUS AIR MONITOR WAS TIGHTENED WHICH CORRECTED THE PROBLEM
82-052/ 03L-0	11/03/82	11/23/82	DRYWELL ATMOSPHERE MONITOR CAME INOPERABLE, THE SAMPLE PUMP FAILED DUE TO NORMAL END OF SERVICE LIFE

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1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	50,761.0
13. Hours Reactor Critical	241.6	5,623.2	33,888.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	241.6	5,430.5	31,970.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	376,734	9,478,209	63,896,010
18. Gross Elec Ener (MWH)	126,519	3,060,980	21,062,185
19. Net Elec Ener (MWH)	118,192	2,921,621	20,225,112
20. Unit Service Factor	32.5	62.0	63.0
21. Unit Avail Factor	32.5	62.0	63.0
22. Unit Cap Factor (MDC Net)	20.1	42.2	50.4
23. Unit Cap Factor (DER Net)	19.3	40.6	48.5
24. Unit Forced Outage Rate	.0	32.6	21.7
25. Forced Outage Hours	.0	2,625.0	8,780.4

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

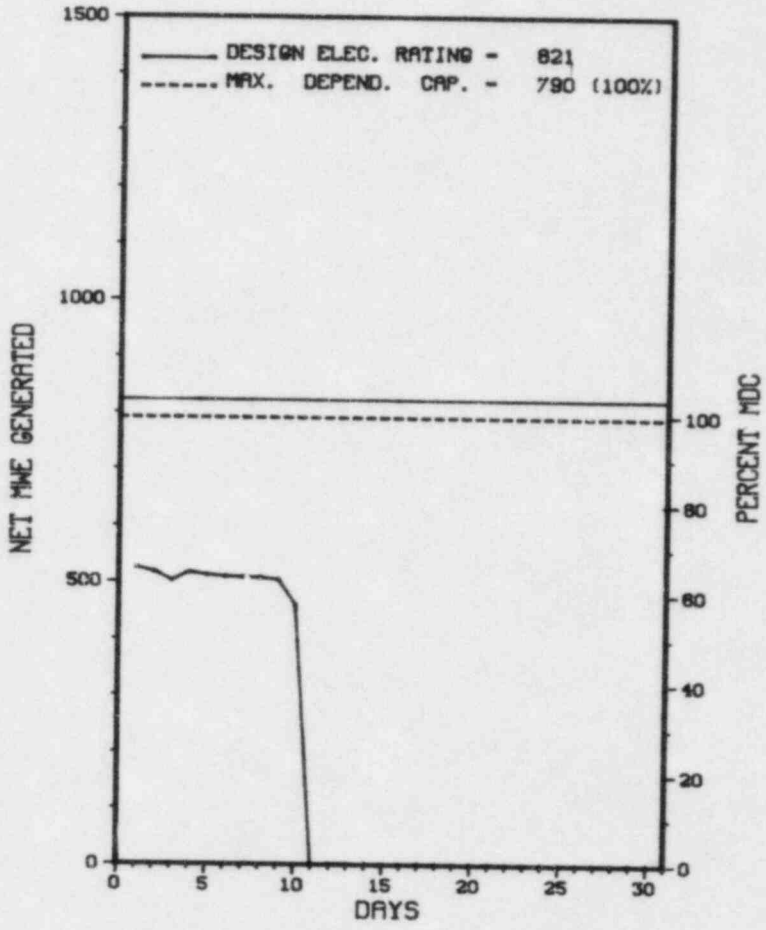
NONE

27. If Currently Shutdown Estimated Startup Date: 04/30/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	12/11/82	S	502.4	C	2		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE COMMENCES.

****
* SUMMARY *
****

BRUNSWICK 1 ENTERED A REFUELING/MAINTENANCE OUTAGE ON DECEMBER 11TH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...OCTOBER 8, 1976

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

DATE COMMERCIAL OPERATE....MARCH 18, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

LICENSING PROJ MANAGER.....S. MACKAY
DOCKET NUMBER.....50-325

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 27-29 (82-42): THIS SPECIAL UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREA OF THE TRANSPORTATION OF LOW LEVEL RADIOACTIVE WASTES. IN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION OCTOBER 15 - NOVEMBER 15 (82-44): THIS INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE EVENT REPORTS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP OF PLANT TRANSIENTS, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES, SAFETY COMMITTEE REVIEWS AND INDEPENDENT INSPECTION. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN SIX AREAS AND ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MAINTAIN FIRE BARRIERS).

INSPECTION (82-47): AN ENFORCEMENT CONFERENCE WAS HELD IN THE REGION II OFFICE ON DECEMBER 22, 1982. THE REGIONAL ADMINISTRATOR OPENED THE MEETING BY DISCUSSING ENFORCEMENT ISSUES RESULTING FROM SEVERAL ITEMS RELATING TO THE SAFE OPERATION OF THE ROBINSON AND BRUNSWICK SITES. FOLLOWING THE OPENING REMARKS, THE LICENSEE PRESENTED A GENERAL OVERVIEW OF CP&L'S ACTIVITIES, PROBLEMS, AND THE IMPROVEMENT PLANS FOR THE FACILITIES. THE REGIONAL ADMINISTRATOR ITEMIZED THE ISSUES AND CONCERNS OF THE NRC.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.5.1.C OF APPENDIX "B", REQUIRES THAT SAMPLING AND ANALYSES OF LIQUID RADIOACTIVE WASTE SHALL BE

ENFORCEMENT SUMMARY

PERFORMED IN ACCORDANCE WITH TABLE 3.5-1. CONTRARY TO THE ABOVE, ANALYSES OF LIQUID RADIOACTIVE WASTE WERE NOT PERFORMED IN ACCORDANCE WITH TABLE 3.5-1 IN THAT THE MONTHLY COMPOSITE SAMPLES FOR JULY 1981, FEBRUARY 1982, APRIL 1982, JULY 1982, AND AUGUST 1982 DID NOT MEET THE REQUIRED MINIMUM DETECTABLE CONCENTRATION FOR SR-89. IN ADDITION, THE COMPOSITE SAMPLE ANALYSIS FOR SR-90 DID NOT MEET THE MINIMUM DETECTABLE CONCENTRATION FOR FEBRUARY 1982 AND AUGUST 1982.
(8240 5)

TECHNICAL SPECIFICATION 3.7.8, REQUIRES ALL FIRE BARRIER PENETRATIONS, INCLUDING CABLE PENETRATION BARRIERS, FIRE DOORS AND FIRE DAMPERS, IN FIRE BOUNDARIES PROTECTING SAFETY RELATED AREAS, SHALL BE FUNCTIONAL. CONTRARY TO THE ABOVE, ON OCTOBER 26, THREE CABLE PENETRATION BARRIERS IN EACH UNIT'S CABLE SPREADING ROOM WERE NOT FUNCTIONAL IN THAT THE FIRE STOP SEALS OF THESE PENETRATIONS HAD BEEN REMOVED FOR PLANT MODIFICATION WORK AND NOT REPLACED. THE INTEGRITY OF THE PENETRATIONS WAS LAST VERIFIED BY THE LICENSEE ON SEPTEMBER 3, 1982.
(8244 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

REFUELING OUTAGE TO BEGIN IN DECEMBER 1982

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE BEGUN 12/11/82.

LAST IE SITE INSPECTION DATE: DECEMBER 22, 1982 +

INSPECTION REPORT NO: 50-325/82-47 +

REPORTS FROM LICENSEE

BRUNSWICK 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-102/ 03L-0	10/03/82	10/27/82	SRM A WAS RENDERED INOPERABLE DUE TO THE UNDERVESSEL PLATFORM DRIVE CONTROL SWITCH BUTTON CONTACTS BEING WELDED CLOSED
82-103/ 03L-0	09/24/82	10/18/82	PRIMARY CONTAINMENT AIR LOCK INTERLOCK MECHANISM NOT ADDRESSED IN PLANT PROCEDURES DUE TO PERSONNEL OVERSIGHT
82-104/ 03L-0	10/01/82	10/18/82	EXCESS FLOW CHECK VALVE FAILED TO SEAT DUE TO LINE CRUD DEPOSIT
82-107/ 03L-0	10/18/82	11/15/82	PRIMARY CONTAINMENT ATMOSPHERE OXYGEN ANALYZER, WAS DETERMINED TO BE SHOWING ERRONEOUS INDICATIONS DUE TO UNSTABLE BRIDGE AMPLIFIER OUTPUT
82-110/ 03L-0	10/19/82	11/18/82	TRICKLE FLOW TO THE WET REFERENCE LEG OF THE INDICATORS COMMON TRANSMITTER; CAUSED AN INCORRECT INPUT SIGNAL TRICKLE FLOW WAS ADJUSTED
82-111/ 03L-0	10/20/82	11/18/82	PCIV RHR PROCESS SAMPLE VALVE, WOULD NOT FULLY CLOSE DUE TO AN UNUTILIZED LIMIT SWITCH ACTUATOR ARM FOUND MISPOSITIONED
82-113/ 03L-0	10/22/82	11/18/82	SRM A WOULD NOT FULLY WITHDRAW FROM THE CORE. METAL FRAGMENTS FROM WEAR OF THE DETECTOR DRIVE TUBE ROLLER BEARING HAD ACCUMULATED BETWEEN THE TUBE AND THE DRIVE HOUSING BUSHING
82-114/ 03L-0	10/22/82	11/18/82	DISCREPANCY BETWEEN THE NARROW AND WIDE RANGE LEVEL INSTRUMENTS. RESULTED FROM INOPERABLE RTGB INSTRUMENTS
82-115/ 03L-0	10/24/82	11/21/82	CONTROL ROD 26-15 DID NOT HAVE FULL-OUT RTGB POSITION INDICATION FULLY WITHDRAWN DUE TO A DEFECTIVE POSITION INDICATION REED SWITCH
82-116/ 03L-0	10/27/82	11/23/82	RHR SYSTEM DISCHARGE VALVES TO THE RADWASTE SYSTEM, WERE NOT FULLY CLOSED
82-127/ 01T-0	11/03/82	11/16/82	REQUIRED QUICK START TESTING OF DIESEL GENERATORS NOT PERFORMED
82-135/ 03L-0	10/19/82	11/18/82	THE SUPPRESSION POOL LEVEL INDICATOR'S REVEALED A DISCREPANCY BETWEEN THE NARROW AND WIDE RANGE INSTRUMENTS, THIS EVENT OCCURRED DUE TO THE INOPERABILITY OF THE SUBJECT RTGB LEVEL
82-136/ 03L-0	10/22/82	11/15/82	A CHANGE IN THE TRICKLE FLOW TO THE WET REFERENCE LEG OF INDICATOR TRANSMITTER CAUSED AN INCORRECT INPUT SIGNAL

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1. Docket: 50-324 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: FRANCES HARRISON (919) 457-9521
4. Licensed Thermal Power (MWt): 2436
5. Nameplate Rating (Gross MWe): 963 X 0.9 = 867
6. Design Electrical Rating (Net MWe): 821
7. Maximum Dependable Capacity (Gross MWe): 815
8. Maximum Dependable Capacity (Net MWe): 790
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	62,785.0
13. Hours Reactor Critical	633.4	3,609.2	38,775.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	595.8	3,381.1	36,150.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,274,129	6,299,441	66,296,977
18. Gross Elec Ener (MWH)	433,131	2,022,755	22,016,692
19. Net Elec Ener (MWH)	418,113	1,910,099	21,099,512
20. Unit Service Factor	80.1	38.6	57.6
21. Unit Avail Factor	80.1	38.6	57.6
22. Unit Cap Factor (MDC Net)	71.1	27.6	42.5
23. Unit Cap Factor (DER Net)	68.5	26.6	40.9
24. Unit Forced Outage Rate	19.9	30.4	18.6
25. Forced Outage Hours	148.2	1,477.9	8,656.5

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

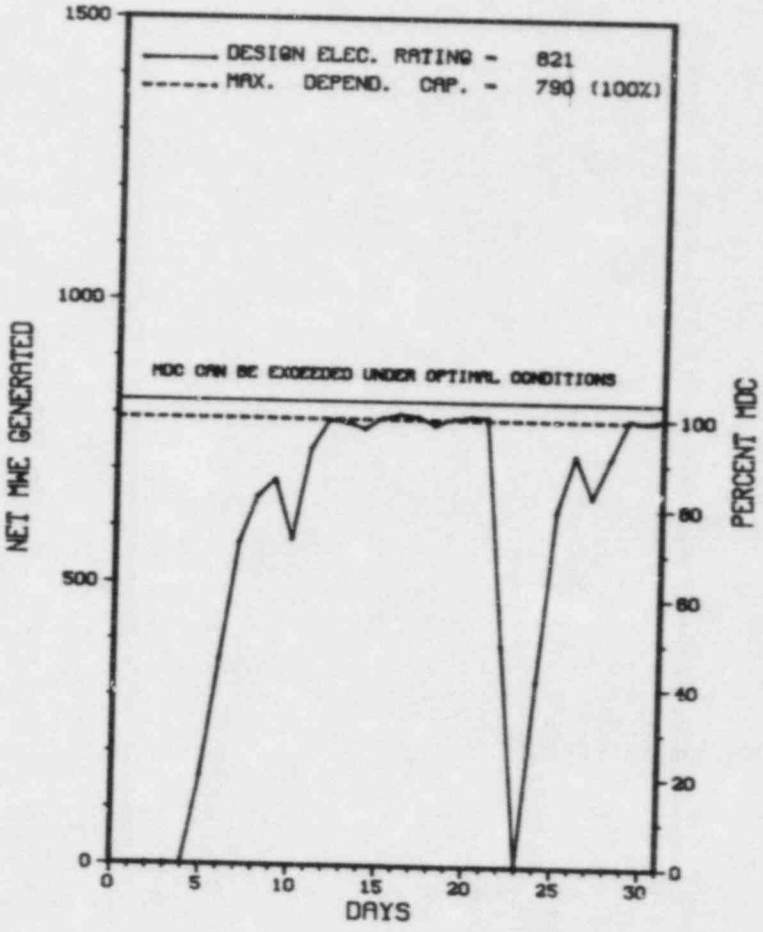
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

BRUNSWICK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-064	10/28/82	F	100.4	A	4		XX	XXXXXX	MAINTENANCE OUTAGE CONCLUDES.
82-067	12/09/82	S	0.0	B	5				REDUCED POWER FOR CONTROL ROD ADJUSTMENT AND ROD IMPROVEMENT SHUFFLE. PERFORMED A CONTROL ROD IMPROVEMENT TO OBTAIN A HOTTER ROD PATTERN WHICH WOULD RESULT IN THE UNIT OPERATING AT A HIGHER STABLE POWER LEVEL.
82-068	12/22/82	F	47.8	A	3		EB	GENERA	REACTOR SCRAM - POWER UNBALANCE SCRAM. DETERMINED CAUSE OF SCRAM TO BE TECHNICIAN ERROR. RESTARTED UNIT. (1) REQUIRE RELAY CREW TECHNICIANS WORKING AT BSEP TO USE BSEP PROCEDURES. (2) REQUIRE RELAY CALIBRATION BE DONE SHUTDOWN.
82-071	12/27/82	S	0.0	B	5				REDUCED POWER FOR ROD IMPROVEMENT.

SUMMARY

BRUNSWICK 2 OPERATED ROUTINELY DURING DECEMBER.

Type
F-Forced
S-Sched

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

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

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 20, 1975

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

DATE COMMERCIAL OPERATE....NOVEMBER 3, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MYERS

LICENSING PROJ MANAGER.....S. MACKAY
DOCKET NUMBER.....50-324

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 27-29 (82-42): THIS SPECIAL UNANNOUNCED INSPECTION INVOLVED 7 INSPECTOR-HOURS ON SITE IN THE AREA OF THE TRANSPORTATION OF LOW LEVEL RADIOACTIVE WASTES. IN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED.

INSPECTION OCTOBER 15 - NOVEMBER 15 (82-44): THIS INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE EVENT REPORTS, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP OF PLANT TRANSIENTS, REVIEW AND AUDIT OF MAINTENANCE ACTIVITIES, SAFETY COMMITTEE REVIEWS AND INDEPENDENT INSPECTION. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN SIX AREAS AND ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO MAINTAIN FIRE BARRIERS).

INSPECTION (82-47): AN ENFORCEMENT CONFERENCE WAS HELD IN THE REGION II OFFICE ON DECEMBER 22, 1982. THE REGIONAL ADMINISTRATOR OPENED THE MEETING BY DISCUSSING ENFORCEMENT ISSUES RESULTING FROM SEVERAL ITEMS RELATING TO THE SAFE OPERATION OF THE ROBINSON AND BRUNSWICK SITES. FOLLOWING THE OPENING REMARKS, THE LICENSEE PRESENTED A GENERAL OVERVIEW OF CP&L'S ACTIVITIES, PROBLEMS, AND THE IMPROVEMENT PLANS FOR THE FACILITIES. THE REGIONAL ADMINISTRATOR ITEMIZED THE ISSUES AND CONCERNS OF THE NRC.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES THAT WRITTEN PROCEDURES SHALL BE IMPLEMENTED COVERING ACTIVITIES SPECIFIED IN APPENDIX

ENFORCEMENT SUMMARY

"A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM F.2 REQUIRES PROCEDURES FOR LOSS OF FLUX INDICATION. PROCEDURE EI-13 SRM OR IRM NEUTRON MONITORING SYSTEM FAILURE STEP 3.2.1.8 REQUIRES TECHNICAL SPECIFICATIONS TO BE CONSULTED IF MORE THAN 2 SOURCE RANGE MONITORS (SRM) ARE INOPERATIVE. CONTRARY TO THE ABOVE ON OCTOBER 12, 1982, TECHNICAL SPECIFICATIONS WERE NOT CONSULTED FOR LOSS OF SRM'S IN THAT THE REACTOR MODE SWITCH WAS PLACED IN THE SHUTDOWN POSITION BUT WAS NOT LOCKED AS REQUIRED WITHIN THE SPECIFIED ONE HOUR REQUIRED BY TECHNICAL SPECIFICATION 3.3.5.4.B. THIS CONDITION EXISTED FOR FORTY-FIVE MINUTES BEFORE THE SRM DRIVE POWER WAS RESTORED AND THE INSTRUMENTS DRIVEN INTO THE CORE. TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES THAT WRITTEN PROCEDURES SHALL BE IMPLEMENTED COVERING ACTIVITIES SPECIFIED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM D REQUIRES PROCEDURES FOR STARTUP, OPERATION AND SHUTDOWN OF SAFETY-RELATED BWR SYSTEMS. CONTRARY TO THE ABOVE, ADEQUATE PROCEDURES WERE NOT ESTABLISHED FOR THE OPERATION OF SAFETY-RELATED INSTRUMENTATION IN THAT A VALVE REQUIRED FOR THE PROPER ALIGNMENT OF CONTAINMENT ISOLATION SWITCHES B21-N056C AND D WAS NOT ADDRESSED IN ITS CONTROLLING PROCEDURE OP-30. TECHNICAL SPECIFICATION TABLE 3.3.2-1 ITEM 1.E, REQUIRES THE CONDENSER VACUUM-LOW ACTUATION INSTRUMENTATION B21-N056 A,B,C AND D TO BE OPERABLE IN CONDITIONS 1 AND 2 WITH REACTOR STEAM PRESSURE GREATER THAN OR EQUAL TO 500 PSIG. CONTRARY TO THE ABOVE, ON SEPTEMBER 3, 1982, WITH REACTOR IN CONDITION 2 AND REACTOR STEAM PRESSURE AT 548 PSIG THE CONDENSER VACUUM-LOW SWITCHES WERE INOPERABLE IN THAT THE INSTRUMENT BYPASS SWITCHES WERE FOUND IN THE BYPASS POSITION.
(8239 5)

TECHNICAL SPECIFICATION 3.5.1.C OF APPENDIX "B", REQUIRES THAT SAMPLING AND ANALYSES OF LIQUID RADIOACTIVE WASTE SHALL BE PERFORMED IN ACCORDANCE WITH TABLE 3.5-1. CONTRARY TO THE ABOVE, ANALYSES OF LIQUID RADIOACTIVE WASTE WERE NOT PERFORMED IN ACCORDANCE WITH TABLE 3.5-1 IN THAT THE MONTHLY COMPOSITE SAMPLES FOR JULY 1981, FEBRUARY 1982, APRIL 1982, JULY 1982, AND AUGUST 1982 DID NOT MEET THE REQUIRED MINIMUM DETECTABLE CONCENTRATION FOR SR-89. IN ADDITION, THE COMPOSITE SAMPLE ANALYSIS FOR SR-90 DID NOT MEET THE MINIMUM DETECTABLE CONCENTRATION FOR FEBRUARY 1982 AND AUGUST 1982.
(8240 5)

TECHNICAL SPECIFICATION 3.7.8, REQUIRES ALL FIRE BARRIER PENETRATIONS, INCLUDING CABLE PENETRATION BARRIERS, FIRE DOORS AND FIRE DAMPERS, IN FIRE BOUNDARIES PROTECTING SAFETY RELATED AREAS, SHALL BE FUNCTIONAL. CONTRARY TO THE ABOVE, ON OCTOBER 26, THREE CABLE PENETRATION BARRIERS IN EACH UNIT'S CABLE SPREADING ROOM WERE NOT FUNCTIONAL IN THAT THE FIRE STOP SEALS OF THESE PENETRATIONS HAD BEEN REMOVED FOR PLANT MODIFICATION WORK AND NOT REPLACED. THE INTEGRITY OF THE PENETRATIONS WAS LAST VERIFIED BY THE LICENSEE ON SEPTEMBER 3, 1982.
(8244 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

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

OTHER ITEMS

LAST IE SITE INSPECTION DATE: DECEMBER 22, 1982 +

INSPECTION REPORT NO: 50-324/82-47 +

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
81-146/ 03L-0	09/20/81	10/19/81	DIESEL STARTED BUT DID NOT ATTAIN RATED SPEED. DUE TO AN INTERMITTENT ELECTRICAL CONNECTION ON THE DIESEL STARTING AIR BANK DC SOLENOID
82-101/ 03L-0	08/05/82	09/01/82	THE REQUIRED SURVEILLANCE OF DIVISIONS I AND II DC ELECTRICAL SYSTEM TIE BREAKERS
82-103/ 03L-0	09/24/82	10/22/82	REACTOR INSTRUMENTATION ISOLATION EXCESS FLOW CHECK VALVES, ADDRESSED IN PLANT PROCEDURES
82-110/ 03L-0	09/29/82	10/19/82	CONTROL ROD 18-23 AND CONTROL 10-23 DID NOT HAVE POSITION INDICATION DUE TO A DEFECTIVE REED SWITCH
82-112/ 03L-0	09/29/82	10/21/82	SUPPRESSION CHAMBER WATER TEMPERATURE INTERMITTENT TEMPERATURE RECORDING OCCURRED BECAUSE THE RECORDER PRINT ACTUATION SOLENOID WAS OUT OF ADJUSTMENT, THE SOLENOID WAS ADJUSTED
82-113/ 03L-0	10/03/82	10/22/82	THE HIGH CONDUCTIVITY OF REACTOR COOLANT OCCURRED DUE TO A BREAKDOWN OF RWCU SYSTEM RESINS
82-114/ 03L-0	10/19/82	11/15/82	CONTROL ROD HAD SIMULTANEOUS "FULL-IN" AND "FULL-OUT" POSITION INDICATION
82-116/ 03L-0	10/23/82	11/21/82	ROD 18-43 DID NOT HAVE RTGB POSITION INDICATION AT POSITION 18. THE MOST LIKELY CAUSE OF THE INDICATION PROBLEM IS A DEFECTIVE ROD POSITION INDICATION REED SWITCH
82-117/ 03L-0	10/26/82	11/23/82	FIRE WATCH PATROL, WAS NOT IN EFFECT. DUE TO AN UNFAMILIARITY WITH APPLICABLE LCO AND FIRE WATCH REQUIREMENTS
82-125/ 03L-0	10/24/82	11/23/82	REACTOR RECIRCULATION TRIPPED CONCURRENT WITH THE RECEIPT OF AN ATWS HIGH REACTOR PRESSURE/LOW LEVEL TRIP ANNUNCIATOR. DUE TO ACTUATION OF ATWS REACTOR PRESSURE INSTRUMENT
82-126/ 03L-0	10/24/82	11/23/82	SLCS PIPING HEAT TRACING ON THE LINES BETWEEN THE SYSTEM ACCUMULATORS AND COMMON DISCHARGE LINE WAS INOPERABLE
82-129/ 03L-0	10/28/82	11/24/82	A ROD OVERTRAVEL ANNUNCIATOR FOR THE ROD WAS RECEIVED

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1. Docket: 50-317 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ELAINE LOTITO (301) 787-5363
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1020 X 0.9 = 918
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	67,069.0
13. Hours Reactor Critical	733.9	6,496.2	53,095.9
14. Rx Reserve Shtdwn Hrs	.0	16.1	1,808.5
15. Hrs Generator On-Line	720.2	6,422.2	52,023.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,887,348	16,750,568	126,670,046
18. Gross Elec Ener (MWH)	644,020	5,606,946	41,600,943
19. Net Elec Ener (MWH)	617,437	5,362,175	39,664,208
20. Unit Service Factor	96.8	73.3	77.6
21. Unit Avail Factor	96.8	73.3	77.6
22. Unit Cap Factor (MDC Net)	100.6	74.2	72.9*
23. Unit Cap Factor (DER Net)	98.2	72.4	70.0
24. Unit Forced Outage Rate	3.2	2.1	8.0
25. Forced Outage Hours	23.8	134.9	4,452.7

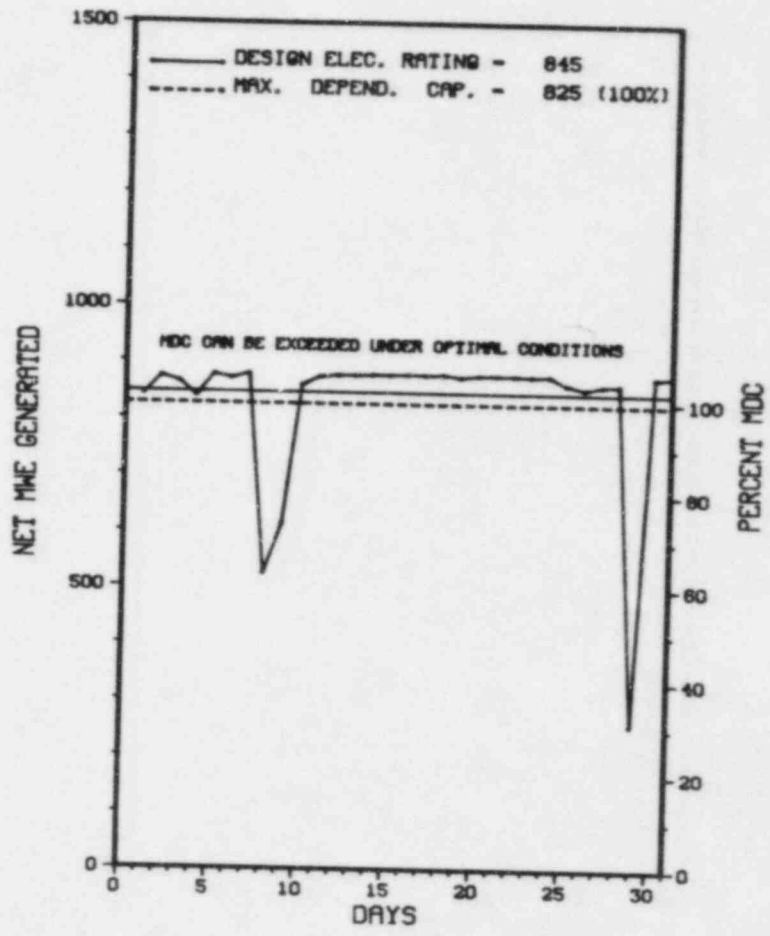
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

CALVERT CLIFFS 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-09	12/08/82	F	12.8	A	3		RB	CONROD	LOW VOLTAGE TO CONTROL RODS.
82-10	12/29/82	F	11.0	A	1		XX	MOTORX	LOW OIL LEVEL ON NO. 12B REACTOR COOLANT PUMP MOTOR.

SUMMARY

CALVERT CLIFFS 1 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type

F-Forced
S-Sched

Reason

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

Method

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

System & Component

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

****
* 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...JANUARY 3, 1975

DATE COMMERCIAL OPERATE....MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELECTRIC

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.....R. ARCHITZEL

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50.59(A)(1) PERMITS A CHANGE TO A FACILITY OR PROCEDURE AS DESCRIBED IN THE SAFETY ANALYSIS REPORT, WITHOUT PRIOR COMMISSION APPROVAL, ONLY WHEN A CHANGE IN THE TECHNICAL SPECIFICATIONS OR AN UNREVIEWED SAFETY QUESTION IS NOT INVOLVED. 10 CFR 50.59(A)(2) STATES THAT AN UNREVIEWED SAFETY QUESTION IS INVOLVED IF THE PROBABILITY OF OCCURRENCE OF A MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY PREVIOUSLY EVALUATED IN THE SAFETY ANALYSIS REPORT MAY BE INCREASED. SECTION 6.8.3.1 OF THE FINAL SAFETY ANALYSIS REPORT DESCRIBES THE HYDROGEN PURGE SYSTEM AS A SYSTEM WHICH SHALL BE USED AS A MEANS OF HYDROGEN CONTROL SHOULD BOTH RECOMBINERS FAIL TO FUNCTION PROPERLY. CONTRARY TO THE ABOVE, REVISION 3 TO OPERATING INSTRUCTION 41.B MODIFIED THE HYDROGEN PURGE SYSTEM LINEUP THROUGH THE ADDITION OF A BLIND FLANGE TO THE REPLACEMENT BLOWER DISCHARGE, IN A MANNER THAT WOULD RENDER THE SYSTEM INOPERABLE. ON OR BEFORE SEPTEMBER 24, 1982, THE ABOVE BLIND FLANGE WAS INSTALLED ON THE UNIT 1 HYDROGEN PURGE SYSTEM. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). (8226 4)

TECHNICAL SPECIFICATION 6.8.1 FOR UNIT 1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING REFUELING OPERATIONS, FUEL HANDLING PROCEDURE FH-35, REVISION 2 APPROVED SEPTEMBER 8, 1982, WAS ESTABLISHED LICENSEE TO GOVERN

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

ENFORCEMENT SUMMARY

REFUELING OPERATION ACTIVITIES INVOLVING INSPECTION OF IRRADIATED FUEL, FUEL ASSEMBLY RECONSTITUTION, AND FUEL PIN TRANSFERS IN THE SPENT FUEL POOL. THE PROCEDURE REQUIRES THE VERIFICATION OF FUEL PIN SERIAL NUMBERS BY MEANS OF AN UNDERWATER TELEVISION CAMERA DURING PIN TRANSFER OPERATIONS. CONTRARY TO THE ABOVE, FUEL PIN SERIAL NUMBERS WERE NOT VERIFIED DURING PIN TRANSFER OPERATIONS CONDUCTED ON SEPTEMBER 15, 1982. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR-5.3. (8226 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: 50-318 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ELAINE LOTITO (301) 787-5363
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	8,760.0	50,424.0
13. Hours Reactor Critical	.0	6,532.9	42,100.9
14. Rx Reserve Shtdwn Hrs	.0	81.0	795.5
15. Hrs Generator On-Line	.0	6,498.5	41,542.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	16,176,201	102,220,756
18. Gross Elec Ener (MWH)	0	5,240,801	33,656,204
19. Net Elec Ener (MWH)	0	5,004,951	32,090,762
20. Unit Service Factor	.0	74.2	82.4
21. Unit Avail Factor	.0	74.2	82.4
22. Unit Cap Factor (MDC Net)	.0	69.3	77.8*
23. Unit Cap Factor (DER Net)	.0	67.6	75.3
24. Unit Forced Outage Rate	.0	6.0	5.5
25. Forced Outage Hours	.0	414.3	2,401.9

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

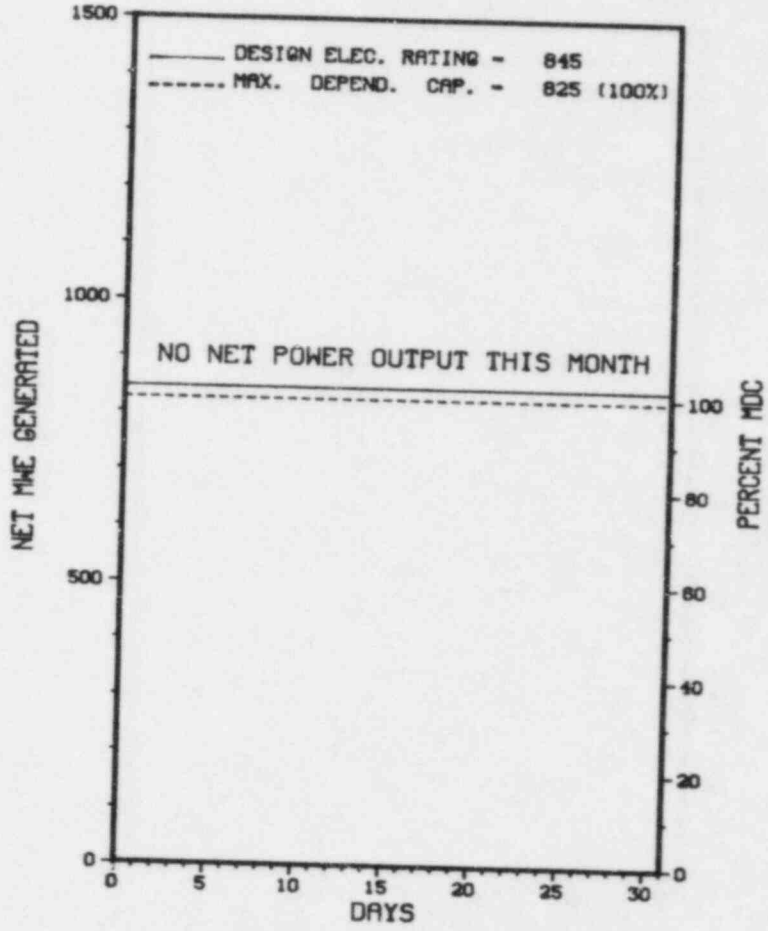
REFUEL, INSPECT & RETUBE-10/17/82 THRU 02/14/83

27. If Currently Shutdown Estimated Startup Date: 02/14/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-09	10/16/82	S	744.0	C	4		RC	FUELXX	REFUELING, UNIT GENERAL INSPECTION AND RETUBE CONDENSER.

****
* SUMMARY *
****

CALVERT CLIFFS 2 REMAINED SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

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 & ELECTRIC

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.....R. ARCHITZEL

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

ON 10/21/82, CONTRARY TO TS 3.0.4 & 3.9.2, UNIT 2 WAS PLACED IN MODE 6 OPERATION WITHOUT AN OPERABLE AUDIBLE INDICATION OF SOURCE RANGE NEUTRON FLUX IN THE CONTROL ROOM. CONTRARY TO CNS TECHNICAL SPEC SECT 6.3.1, THE LICENSEE FAILED TO PROVIDE DETAILED WRITTEN PROCEDURES TO BE USED FOR OPERATION AND MAINTENANCE OF SYSTEM COMPONENTS AND SYSTEMS THAT COULD HAVE AN EFFECT ON NUCLEAR SAFETY.
(8223 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-315 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ANN MIGHT (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): 1054
7. Maximum Dependable Capacity (Gross MWe): 1080
8. Maximum Dependable Capacity (Net MWe): 1044
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	70,128.0
13. Hours Reactor Critical	744.0	5,608.4	51,881.8
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	744.0	5,490.7	50,712.9
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	2,180,316	16,939,371	147,302,560
18. Gross Elec Ener (MWH)	712,670	5,554,070	48,435,850
19. Net Elec Ener (MWH)	685,367	5,352,823	46,593,501
20. Unit Service Factor	100.0	62.7	74.5
21. Unit Avail Factor	100.0	62.7	74.5
22. Unit Cap Factor (MDC Net)	88.2	58.5	67.3
23. Unit Cap Factor (DER Net)	87.4	58.0	64.1
24. Unit Forced Outage Rate	.0	16.6	8.5
25. Forced Outage Hours	.0	1,090.4	4,028.7

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

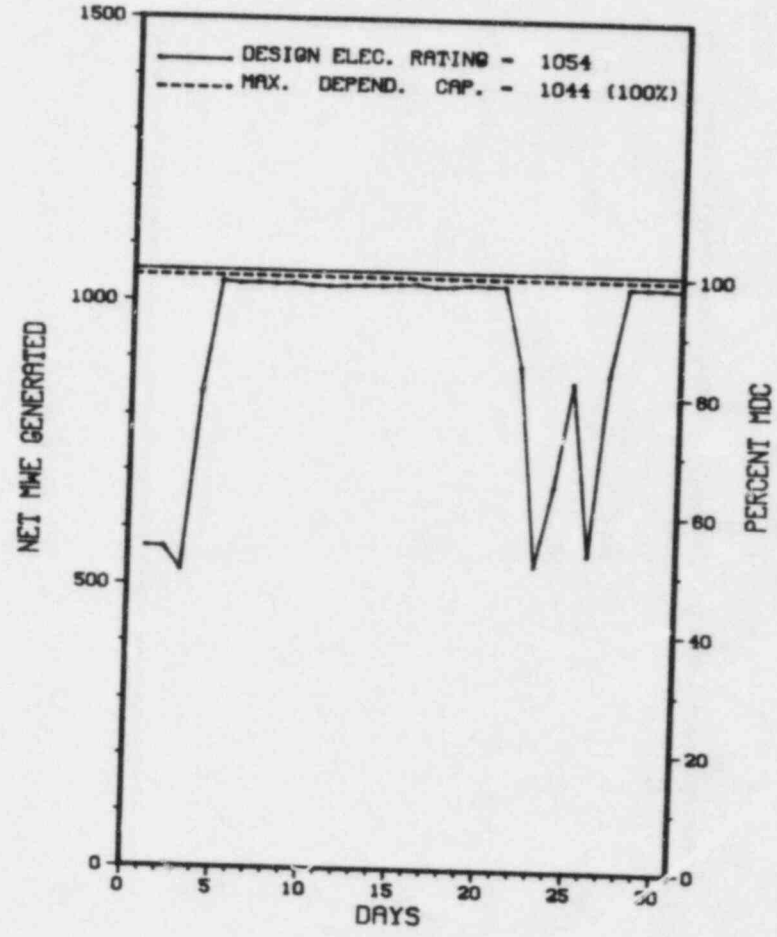
NONE

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

COOK 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
189	11/29/82	F	0.0	A	5		CH	PUMPXX	REACTOR POWER WAS REDUCED TO 53% ON 82/11/29 TO REMOVE EAST MAIN FEEDPUMP TURBINE FROM SERVICE DUE TO EXCESSIVE VIBRATION. INVESTIGATION REVEALED THAT COUPLING SLEEVE ON TURBINE HALF OF THE COUPLING WAS CRACKED LENGTH OF SLEEVE. A COMPLETE NEW COUPLING WAS INSTALLED. DURING RETURN TO FULL POWER ON 82/12/03, A STEAM LEAK DEVELOPED AT 62% POWER ON TEST LINE ON MAIN STEAM LEAD, DOWN STEAM OF NO. 3 TURBINE CONTROL VALVE. TO REPAIR STEAM LEAK A POWER REDUCTION TO 30% WAS REQUIRED. LEAK WAS REPAIRED AND REACTOR POWER RETURNED TO 100% POWER ON 82/12/04.
190	12/22/82	F	0.0	A	5		CH	PUMPXX	REACTOR POWER REDUCED TO 55% TO REMOVE THE WEST MAIN FEEDPUMP FROM SERVICE TO REPAIR COUPLING GREASE SEAL. FOLLOWING COUPLING REPAIR, THE PUMP WAS PLACED IN SERVICE AND REACTOR POWER INCREASED TO 70% AND HELD THERE FOR APPROXIMATELY 24 HOURS TO OBSERVE PUMP OPERATION. REACTOR POWER WAS INCREASED TO 100% ON 82/12/25.
191	12/25/82	F	0.0	A	5		CH	PUMPXX	REACTOR POWER REDUCED TO 58% TO REMOVE THE WEST MAIN FEEDPUMP FROM SERVICE TO REPAIR LEAK IN BEARING LUBEOIL SYSTEM. REACTOR POWER RETURNED TO 100% ON 82/12/27.

****
* SUMMARY *
****

COOK 1 OPERATED WITH SEVERAL REDUCTIONS AND NO OUTAGES DURING DECEMBER.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 18, 1975

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

DATE COMMERCIAL OPERATE....AUGUST 27, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

CORPORATE ADDRESS.....2 BROADWAY
NEW YORK, NEW YORK 10004

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

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

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 15 AND MANAGEMENT MEETING AUGUST 25, (82-15): ROUTINE, RESIDENT INSPECTION OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION-INSPECTION DURING LONG TERM SHUTDOWN; SURVEILLANCE; MAINTENANCE; SAFETY INJECTION PUMPS; PREPARATION FOR REFUELING; REFUELING ACTIVITIES; PLANT TRIPS; LICENSEE EVENT REPORTS; NUREG-0737 ITEMS; REGIONAL REQUESTS; CONTROL ROD GUIDE TUBE SUPPORT PINS; INFORMATION NOTICE; FIRE PROTECTION PREVENTION; AND CONTAINMENT PURGE ISLOATION VALVES. IN ADDITION, A MANAGEMENT MEETING WAS CONDUCTED ON AUGUST 25, 1982, REGARDING THE CONTAINMENT PURGE ISOLATION VALVES. THE INSPECTION INCLUDED A TOTAL OF 294 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 51 INSPECTOR-HOURS ONSITE DURING OFFSHIFT HOURS AND 10 HOURS BY NRC MANAGEMENT PERSONNEL. OF THE FIFTEEN AREAS INSPECTED AND THE MANAGEMENT MEETING, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THIRTEEN AREAS. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS AND THE MEETING. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS. (TWO CHARGING PUMPS HAD POWER AVAILABLE; CONTROL ROOM VENTILATION SYSTEM NOT TESTED; FAILURE TO COMPLY WITH REFUELING PROCEDURE; SOURCE RANGE COUNT RATE NOT AUDIBLE DURING CORE ALTERATIONS).

INSPECTION ON SEPTEMBER 16 THROUGH OCTOBER 31, (82-19): ROUTINE, SAFETY INSPECTION CONDUCTED BY TWO RESIDENT INSPECTORS IN THE AREAS OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; OPERATIONAL SAFETY VERIFICATION; INSPECTION DURING LONG TERM SHUTDOWN; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; UNIT 1 REFUELING OUTAGE; STARTUP TESTING; PLANT TRIPS; NATURAL CIRCULATION COOLDOWN; AND NUREG-0737 ACTION ITEMS. THE INSPECTION INCLUDED A TOTAL OF 287 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT HOURS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (FAILURE TO COMPLY WITH ACTION REQUIREMENT; FAILURE TO FOLLOW PROCEDURES).

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 15-19, (82-21): ROUTINE, ANNOUNCED INSPECTION OF THE CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING IN-PLANT SAMPLE SPLIT AND ONSITE ANALYSIS WITH THE REGION III MOBILE LABORATORY; REVIEW OF LICENSEE'S LABORATORY PRACTICES AND QUALITY CONTROL; REVIEW OF THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM IMPLEMENTATION AND RESULTS; AND REVIEW OF OPEN ITEMS IDENTIFIED DURING THE PREVIOUS INSPECTION. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 27-29, 1982

INSPECTION REPORT NO: 82-24

REPORTS FROM LICENSEE

COOK 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-100/ 03L-0	11/05/82	12/03/82	FIRE DOOR BETWEEN UNIT 1 & 2 CONTROL ROOM AIR CON. EQUIP. ROOMS FOUND INOP.
82-101/ 01T-0	11/23/82	12/03/82	DURING TESTING OF ESSENTIAL SERVICE WATER SYSTEM, MOTOR OP. VALVE TO WEST TURBINE DRIVEN AUX. FEED PUMP WOULD NOT OPEN.
82-102/ 03L-0	11/18/82	12/08/82	FIRE DETECTION ALARM FOR AUX. BLDG. RECEIVED IN CONTROL ROOM. INVESTIGATION FOUND NO REASON FOR ALARM. FIRE WATCH SET UNTIL SITUATION CORRECTED.
82/103/ 03L-0	11/27/82	12/08/82	FIRE DOOR IN AUX. BLDG. AROUND CONTAINMENT FOUND IN NONCONSERVATIVE CONFIGURATION.
82-104/ 03L-0	11/25/82	12/22/82	POWER TO POSITION INDICATING LAMP FOR FEEDWATER ISO. VALVE WAS LOST. CONDITION WAS CORRECTED USING CIRCUIT BREAKER.
82-105/ 03L-0	12/06/82	12/28/82	FIRE DOOR NO. 385 FOUND UNLATCHED. FIRE WATCH RELEASED 3 HRS. BEFORE REQ. OP. INSPECTION.

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1. Docket: 50-316 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ANN MIGHT (616) 465-5901
4. Licensed Thermal Power (MWt): 3391
5. Nameplate Rating (Gross MWe): 1333 X 0.85 = 1133
6. Design Electrical Rating (Net MWe): 1100
7. Maximum Dependable Capacity (Gross MWe): 1118
8. Maximum Dependable Capacity (Net MWe): 1082
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	43,824.0
13. Hours Reactor Critical	.0	6,788.4	30,813.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	6,740.7	29,961.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	22,183,410	96,244,231
18. Gross Elec Ener (MWH)	0	7,249,770	30,957,570
19. Net Elec Ener (MWH)	0	6,995,651	29,839,774
20. Unit Service Factor	.0	76.9	73.0
21. Unit Avail Factor	.0	76.9	73.0
22. Unit Cap Factor (MDC Net)	.0	73.8	68.7
23. Unit Cap Factor (DER Net)	.0	72.6	67.8
24. Unit Forced Outage Rate	.0	13.3	14.0
25. Forced Outage Hours	.0	1,036.8	4,630.8

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

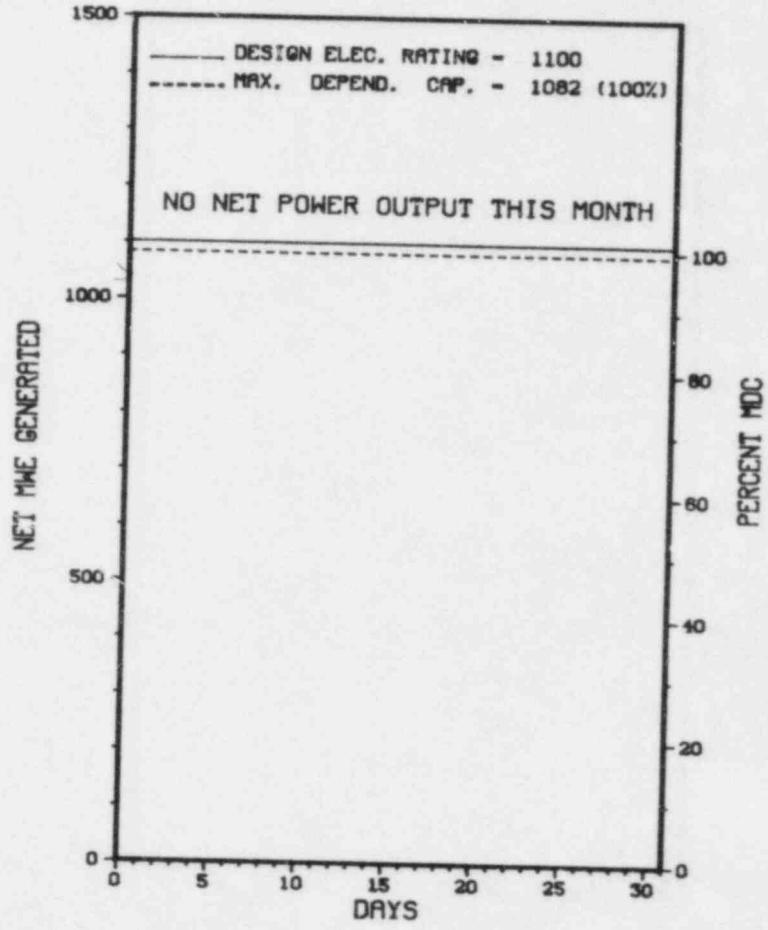
NONE

27. If Currently Shutdown Estimated Startup Date: 01/17/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

COOK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
119	11/21/82	S	744.0	C	4		RC	FUELXX	THE UNIT WAS REMOVED FROM SERVICE AT 0127 ON 82/11/21 FOR SCHEDULED CYCLE III - IV REFUELING AND MAINTENANCE OUTAGE. CORE RELOADING HAS BEEN COMPLETED. FUEL INSPECTION SIPPING WAS PERFORMED ON ALL ASSEMBLIES SCHEDULED TO BE RETURNED TO THE CORE. EIGHT "LEAKERS" WERE IDENTIFIED WHICH WERE REPLACED WITH EIGHT ASSEMBLIES FROM SPENT FUEL IN STORAGE. THE RCS REMAINED IN REFUELING MODE 6 AT THE END OF THE MONTH.

SUMMARY

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

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 10, 1978

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

DATE COMMERCIAL OPERATE....JULY 1, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

CORPORATE ADDRESS.....2 BROADWAY
NEW YORK, NEW YORK 10004

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

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

TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 15 AND MANAGEMENT MEETING AUGUST 25, (82-15): ROUTINE, RESIDENT INSPECTION OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION-INSPECTION DURING LONG TERM SHUTDOWN; SURVEILLANCE; MAINTENANCE; SAFETY INJECTION PUMPS; PREPARATION FOR REFUELING; REFUELING ACTIVITIES; PLANT TRIPS; LICENSEE EVENT REPORTS; NUREG-0737 ITEMS; REGIONAL REQUESTS; CONTROL ROD GUIDE TUBE SUPPORT PINS; INFORMATION NOTICE; FIRE PROTECTION PREVENTION; AND CONTAINMENT PURGE ISLOATION VALVES. IN ADDITION, A MANAGEMENT MEETING WAS CONDUCTED ON AUGUST 25, 1982, REGARDING THE CONTAINMENT PURGE ISOLATION VALVES. THE INSPECTION INCLUDED A TOTAL OF 294 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 51 INSPECTOR-HOURS ONSITE DURING OFFSHIFT HOURS AND 10 HOURS BY NRC MANAGEMENT PERSONNEL. OF THE FIFTEEN AREAS INSPECTED AND THE MANAGEMENT MEETING, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THIRTEEN AREAS. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS AND THE MEETING. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS. (TWO CHARGING PUMPS HAD POWER AVAILABLE; CONTROL ROOM VENTILATION SYSTEM NOT TESTED; FAILURE TO COMPLY WITH REFUELING PROCEDURE; SOURCE RANGE COUNT RATE NOT AUDIBLE DURING CORE ALTERATIONS).

INSPECTION ON SEPTEMBER 16 THROUGH OCTOBER 31, (82-19): ROUTINE, SAFETY INSPECTION CONDUCTED BY TWO RESIDENT INSPECTORS IN THE AREAS OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORTS; OPERATIONAL SAFETY VERIFICATION; INSPECTION DURING LONG TERM SHUTDOWN; SURVEILLANCE OBSERVATION; MAINTENANCE OBSERVATION; UNIT 1 REFUELING OUTAGE; STARTUP TESTING; PLANT TRIPS; NATURAL CIRCULATION COOLDOWN; AND NUREG-0737 ACTION ITEMS. THE INSPECTION INCLUDED A TOTAL OF 287 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 43 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT HOURS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS (FAILURE TO COMPLY WITH ACTION REQUIREMENT; FAILURE TO FOLLOW PROCEDURES).

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 15-19, (82-21): ROUTINE, ANNOUNCED INSPECTION OF THE CONFIRMATORY MEASUREMENTS PROGRAM INCLUDING IN-PLANT SAMPLE SPLIT AND ONSITE ANALYSIS WITH THE REGION III MOBILE LABORATORY; REVIEW OF LICENSEE'S LABORATORY PRACTICES AND QUALITY CONTROL; REVIEW OF THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM IMPLEMENTATION AND RESULTS; AND REVIEW OF OPEN ITEMS IDENTIFIED DURING THE PREVIOUS INSPECTION. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT SHUT DOWN ON 11/21/82 TO BEGIN A 66 DAY MAINTENANCE AND REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: DECEMBER 27-29, 1982

INSPECTION REPORT NO: 82-24

REPORTS FROM LICENSEE

COOK 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-91/ 03L-0	11/05/82	12/06/82	DURING STEAM GENERATOR BLOWDOWN, RAD. MONITOR ALARMED. BLOWDOWN SAMPLE CONT. ISO. VALVES CLOSED, BUT FLOW CONTINUED THROUGH LOOP 1 SAMPLE VALVE. THUS INOP. CONT. ISO. VALVE.
82-92/ 03L-0	11/09/82	12/08/82	AUX. CABLE VAULT EXPERIENCED AN INADVERTANT CO2 DISCHARGE. FIRE WATCH ESTABLISHED.
82-93/ 03L-0	11/21/82	12/03/82	AFTER UNIT SHUTDOWN, RCS DOSEQ. IODINE-131 CONCENTRATION EXCEEDED STEADY STATE LIMIT OF T.S. REMAINED HIGH FOR ABOUT 22 HOURS.
82-94/ 03L-0	11/22/82	12/02/82	CD BATTERY WAS LOST DUE TO CONNECTING BAR FAILURE CAUSING RCP'S 21 AND 24 TO TRIP.
82-95/ 03L-0	11/11/82	12/10/82	TECH. SPEC. RELATED FIRE DOOR FOUND BLOCKED OPEN.
82-96/ 01T-0	12/01/82	12/15/82	DURING INSTALLATION OF DESIGN CHANGE TO AFFECT ONLY THE EAST CCP, A CUT WAS INCORRECTLY MADE ON MINI-FLOW LINE FROM WEST CCP, MAKING WEST CCP INOP.
82-97/ 03L-0	12/04/82	12/22/82	FIRE ALARM RECEIVED FOR 4KV SWITCH GEAR ROOM DUE TO PYRALARM DETECTOR ALARMING FOR NO APPARENT REASON. FIRE WATCH ESTABLISHED UNTIL SITUATION CORRECTED.
82-98/ 03L-0	11/27/82	12/22/82	FIRE ALARM RECEIVED FOR 4KV SWITCH GEAR ROOM DUE TO PYRALARM DETECTOR ALARMING FOR NO APPARENT REASON. FIRE WATCH ESTABLISHED UNTIL SITUATION CORRECTED.
82-99/ 03L-0	11/23/82	12/22/82	DURING SURV. TEST ON AUTO. LOAD SEQUENCE TIMING RELAYS, 4 RELAY TIMERS FOUND OUT OF SPEC.
82-100/ 03L-0	11/30/82	12/22/82	DURING SURV. TEST OF D/G LOAD SHEDDING RELAYS, 6 LOSS OF VOLTAGE RELAYS FOUND TO EXCEED T.S. TOLERANCE.
82-101/ 03L-0	11/24/82	12/22/82	DURING SURV. TEST OF AUTO. LOAD SEQUENCE TIMING RELAYS, THE TIME DELAY FOR 2 RELAY TIMERS FOUND NOT REPEATABLE AND EXCEEDING T.S. TOLERANCE.
82-102/ 03L-0	12/09/82	12/28/82	DURING SURV. TEST OF AUTO. LOAD SEQUENCE TIMING RELAYS, 2 RELAY TIMERS FOUND EXCEEDING T.S. TOLERANCE.
82-103/ 03L-0	11/28/82	12/28/82	SECURITY GUARD FOUND TEMP. FIRE SEAL FOR FIRE BARRIER PENETRATION W-9392 MISSING AND SEAL FOR W-9393 NON-FUNCTIONAL.

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

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: P. L. BALLINGER (402) 825-3811

4. Licensed Thermal Power (MWt): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	74,545.0
13. Hours Reactor Critical	744.0	7,484.5	61,370.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	7,414.5	60,372.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,739,928	16,372,824	120,061,302
18. Gross Elec Ener (MWH)	584,492	5,451,441	37,932,228
19. Net Elec Ener (MWH)	565,750	5,276,082	36,573,460
20. Unit Service Factor	100.0	84.6	81.0
21. Unit Avail Factor	100.0	84.6	81.0
22. Unit Cap Factor (MDC Net)	99.5	78.8	64.2
23. Unit Cap Factor (DER Net)	97.7	77.4	63.1
24. Unit Forced Outage Rate	.0	2.7	3.9
25. Forced Outage Hours	.0	207.2	1,784.3

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

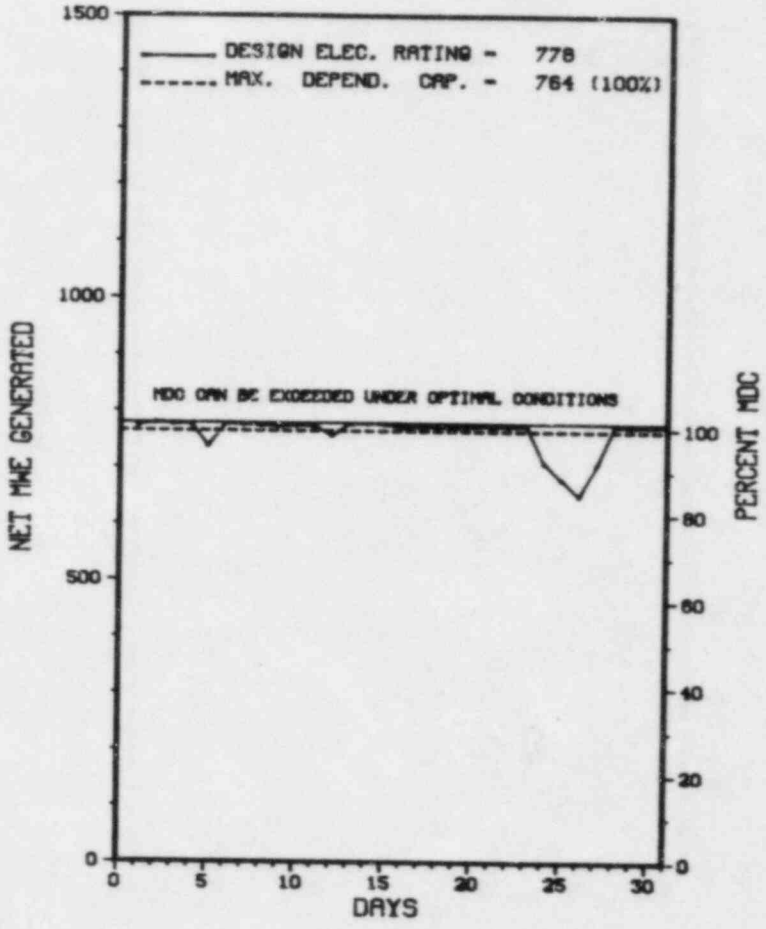
REFUELING - MAY 1, 1983 - 4 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

COOPER STATION

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

NONE

SUMMARY

COOPER OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...[illegible] OF
NE[illegible]A CITY, NEB

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FE[illegible] 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

LICENSING PROJ MANAGER.....B. SIEGEL
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 JULY 1, 1981 - JUNE 30, 1982 (82-24): ROUTINE, ANNUAL SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) BOARD REPORT OF THE COOPER NUCLEAR STATION. THE LICENSEE'S PERFORMANCE WAS CLASSIFIED AS CATEGORY 1 IN EIGHT AREAS, CATEGORY 2 IN TWO AREAS, AND CATEGORY 3 IN TWO AREAS.

INSPECTION CONDUCTED OCTOBER 18-22, 1982 (82-30): ROUTINE, UNANNOUNCED INSPECTION OF PROCEDURES, DOCUMENT CONTROL, AND QA PROGRAM. WITHIN THE THREE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA (VIOLATION - MULTIPLE FAILURES TO PERFORM BIENNIAL PROCEDURE REVIEW), AND NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS.

INSPECTION CONDUCTED OCTOBER 1-31, 1982 (82-31): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, PLANT TRIPS - SAFETY SYSTEM CHALLENGES, LICENSEE EVENT FOLLOWUP, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, AND REVIEW OF LICENSEE'S COLD WEATHER PROTECTIVE MEASURES. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

VIOLATION OF 10CFRPART50, APP B, CRITERION V FAILURE TO HAVE PRESCRIBED PROCEDURES FOR DETERMINING ACCEPTABILITY OF REPLACEMENT ESSENTIAL ELECTRICAL COMPONENTS (AGASTAT RELAYS).
(8226 3)

ENFORCEMENT SUMMARY

EXEMPT INFO
(8228 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE POWER OPERATION

LAST IE SITE INSPECTION DATE: OCTOBER 1-31, 1982

INSPECTION REPORT NO: 50-298/82-31

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-23	11/28/82	12/23/82	INOPERABLE CORE SPRAY HYDRAULIC SNUBBER (CS-7)

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: M.W. CULVER (904) 795-6486

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): 845

8. Maximum Dependable Capacity (Net MWe): 806

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

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 780

11. Reasons for Restrictions, If Any:

PUMP POWER MONITORS IN BYPASS.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	50,880.0
13. Hours Reactor Critical	251.3	6,758.8	32,208.0
14. Rx Reserve Shtdwn Hrs	.0	66.3	1,275.5
15. Hrs Generator On-Line	243.2	6,654.7	31,467.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	561,306	15,158,014	70,524,955
18. Gross Elec Ener (MWH)	194,455	5,167,026	23,966,617
19. Net Elec Ener (MWH)	185,224	4,915,582	22,744,880
20. Unit Service Factor	32.7	76.0	61.8
21. Unit Avail Factor	32.7	76.0	61.8
22. Unit Cap Factor (MDC Net)	30.9	69.6	55.5
23. Unit Cap Factor (DER Net)	30.2	68.0	54.2
24. Unit Forced Outage Rate	67.3	24.0	26.6
25. Forced Outage Hours	500.8	2,105.0	11,422.9

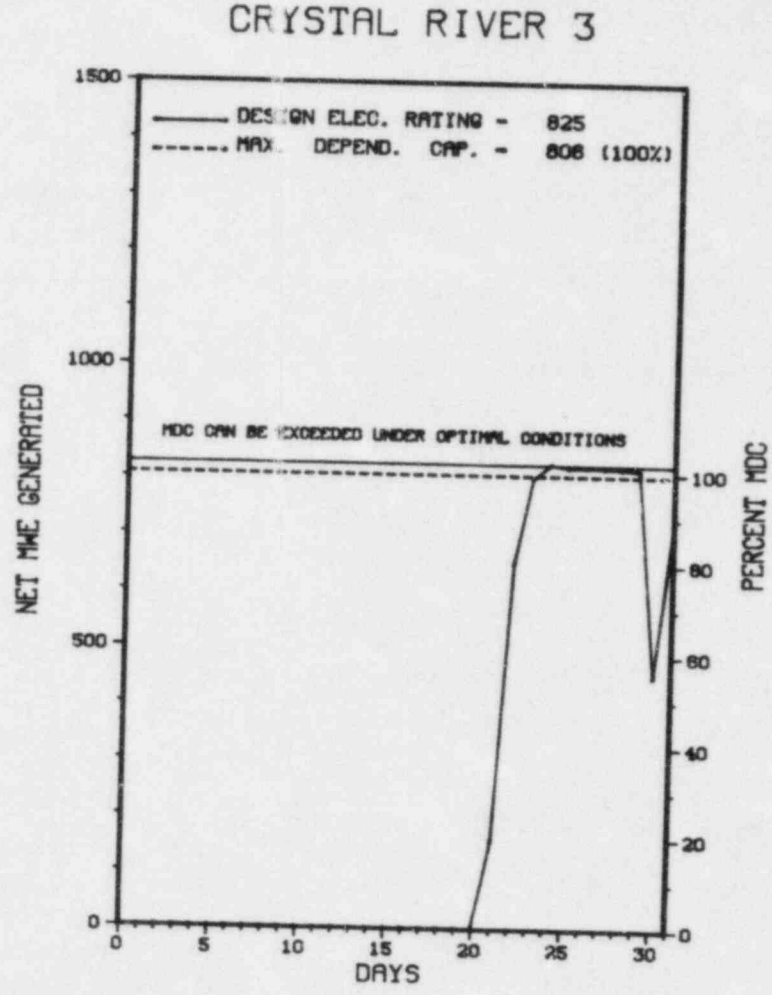
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUEL OUTAGE BEGINNING 3/19/83 - 16 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

CRYSTAL RIVER 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-31	12/01/82	F	492.8	A	4		PC	HTEXCH	CONTINUATION OF OUTAGE FOR REPLACING LETDOWN COOLERS.
82-32	12/30/82	F	8.0	H	3		EA	ZZZZZZ	EXPERIENCED A SYSTEM GRID UPSET DUE TO LOSING ST. LUCIE NUCLEAR PLANT. THIS CAUSED A TURBINE TRIP, WHICH IN TURN CAUSED A REACTOR TRIP.

SUMMARY

CRYSTAL RIVER 3 RETURNED ONLINE DECEMBER 21ST FROM MAINTENANCE AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

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

FACILITY DATA

Report Period DEC 1982

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.....M. FAIRTILE
DOCKET NUMBER.....50-302

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 1 (82-25): INCLUDED REVIEW OF THE CIRCUMSTANCES SURROUNDING IMPLEMENTATION OF COMPENSATORY ACTIONS FOR DEGRADED VITAL AND PROTECTED AREA INTRUSION DETECTION SYSTEMS. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS EXCEPT FOR THE FOLLOWING ITEM: FAILURE TO PROVIDE COMPENSATORY MEASURES FOR AN ACCESSED VITAL AREA DOOR AND FAILURE TO MAINTAIN A COMPENSATORY POST FOR AN ACCESSED PERIMETER ALARM SYSTEM.

INSPECTION NOVEMBER 12 AND 29-30 (82-30): INCLUDED REVIEW OF ACCESS CONTROL-PERSONNEL; AND THE CIRCUMSTANCES OF AN ALLEGED INCIDENT INVOLVING A THREATING GESTURE WITH A WEAPON BY A MEMBER OF THE SECURITY FORCE. THE INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. FIVE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING: ACCESS CONTROL-PERSONNEL (FAILURE TO CONDUCT AN ADEQUATE SEARCH).

INSPECTION NOVEMBER 30 - DECEMBER 3 (82-31): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF THE LICENSEE NOTIFICATION THAT A RELEASE FROM THE TURBINE BUILDING SUMP HAD EXCEEDED THE INSTANTANEOUS CONCENTRATION DISCHARGE LIMIT, FOLLOWUP ON NRC INFORMATION NOTICES AND FOLLOWUP ON INSPECTOR IDENTIFIED ITEMS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

ENFORCEMENT SUMMARY

FAILURE TO OBTAIN PRIOR NRC APPROVAL FOR A MODIFICATION THAT CHANGES TECHNICAL SPECIFICATION TIME RESPONSE FOR THE REACTOR COOLANT PUMP POWER MONITORS.

(8209 4)

FAILURE OF THE PLANT REVIEW COMMITTEE AND THE NUCLEAR PLANT MANAGER TO REVIEW THE VENDOR'S SEISMIC MONITORING INSTRUMENTATION CALIBRATION PROCEDURE PRIOR TO IMPLEMENTATION.
(8209 5)

CONTRARY TO TECHNICAL SPECIFICATION 3.4.6.2B, RCS LEAKAGE WAS NOT REDUCED TO LESS THAN 1 GPM IN 4 HRS NOR WAS A PLANT SHUTDOWN COMMENCED.
(8222 4)

REG GUIDE 1.33, APPENDIX "A" AND TECH. SPEC. 6.8.1, REQUIRES A PREVENTIVE MAINTENANCE SCHEDULE FOR EQUIPMENT LUBRICATION. CONTRARY TO THIS, PM-133 (REV 4) WAS USED VICE PM-133 (REV 8) TO ADD OIL TO THE "B" MAKEUP PUMP, WHICH IS A SAFETY-RELATED ITEM.

(8224 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 30 - DECEMBER 3, 1982 +

INSPECTION REPORT NO: 50-302/82-31 +

REPORTS FROM LICENSEE

CRYSTAL RIVER 3

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-059/ 03L-0	09/15/82	10/15/82	DECAY HEAT LINE VALVE FAILED TO CONTROL FLOW AS INTENDED. AN INOPERABLE FLOW SWITCH WAS REPLACED
82-060/ 03L-0	09/27/82	10/27/82	MONTHLY SURVEILLANCE OF THE CONTAINMENT COOLING SYSTEM NOT PERFORMED DUE TO PERSONNEL ERROR
82-062/ 01T-3	10/14/82	10/28/82	DRESSER IND. CONFIRMED THAT THE PRESSURIZER CODE SAFETY VALVES, RCV-8 AND RCV-9, MAY CHATTER OR FAIL RCV-8 AND RCV-9 WERE REPLACED
82-063/ 03L-0	10/11/82	11/10/82	THE REACTOR BUILDING AVERAGE AIR TEMPERATURE EXCEEDED THE 130 DEGREE FAHRENHEIT LIMIT DUE TO STRAIN ON THE INSTRUMENT AIR LINE CAUSING THE LINE TO SPLIT
82-065/ 03L-0	10/71/82	11/16/82	CONTAINMENT ISOLATION VALVE COULD NOT BE OPERATED FROM THE CONTROL ROOM DUE TO STUCK MECHANICAL INTERLOCK
82-066/ 03L-0	10/19/82	11/17/82	WIND SPEED CHANNEL WAS INOPERABLE DUE TO INSTRUMENT DRIFT
82-067/ 03L-0	10/28/82	11/26/82	FEEDWATER ULTRASONIC FLOW INDICATOR, WAS INOPERABLE
82-068/ 03L-0	10/29/82	11/26/82	FEEDWATER ULTRASONIC FLOW INDICATOR WAS INOPERABLE CAUSED BY INSUFFICIENT CLEANANCE FOR THE COAXIAL CABLE IN THE TRANSMITTER CABINET
82-069/ 03L-0	10/29/82	11/26/82	WIND DIRECTION CHANNELS OUT OF TOLERANCE, ATTRIBUTED TO A FAILED DIRECTION SENSOR

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1. Docket: 50-346 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: BILAL SARSOUR (419) 259-5000 X384
4. Licensed Thermal Power (MWt): 2772
5. Nameplate Rating (Gross MWe): 1069 X 0.9 = 962
6. Design Electrical Rating (Net MWe): 906
7. Maximum Dependable Capacity (Gross MWe): 918
8. Maximum Dependable Capacity (Net MWe): 874
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	38,761.0
13. Hours Reactor Critical	744.0	4,665.5	20,895.5
14. Rx Reserve Shtdwn Hrs	.0	29.4	3,364.1
15. Hrs Generator On-Line	729.4	4,509.4	19,759.6
16. Unit Reserve Shtdwn Hrs	.0	1.1	1,732.7
17. Gross Therm Ener (MWH)	1,926,651	10,251,236	45,372,761
18. Gross Elec Ener (MWH)	646,648	3,423,403	15,105,654
19. Net Elec Ener (MWH)	613,947	3,218,155	14,115,440
20. Unit Service Factor	98.0	51.5	50.0
21. Unit Avail Factor	98.0	51.5	55.4
22. Unit Cap Factor (MDC Net)	94.4	42.0	41.7
23. Unit Cap Factor (DER Net)	91.1	40.5	40.2
24. Unit Forced Outage Rate	.0	1.1	20.6
25. Forced Outage Hours	.0	51.6	5,677.0

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

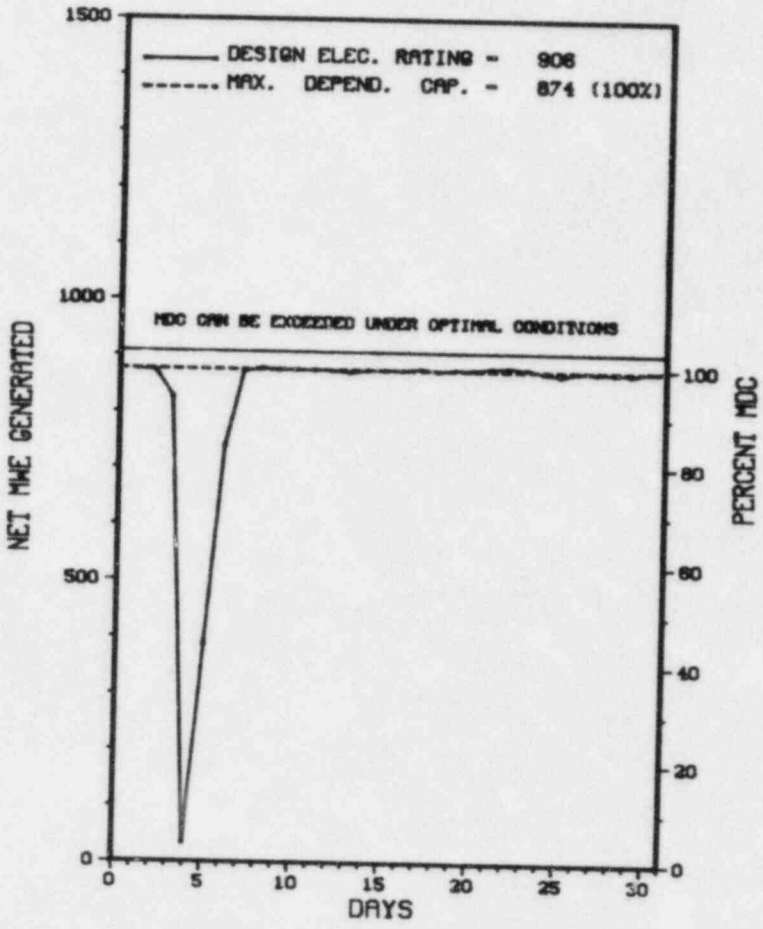
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	12/04/82	S	14.6	B	2				THE TURBINE WAS TAKEN OFF LINE FOR BALANCING OF THE LOW PRESSURE TURBINE ROTOR, BUT THE REACTOR STAYED CRITICAL.

****
* SUMMARY *
****

DAVIS-BESSE 1 OPERATED NORMALLY WITH 1 OUTAGE DUE TO 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)

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

FACILITY DATA

Report Period DEC 1982

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.....T. PEEBLES

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 15, 29-30,(82-25): ROUTINE, ANNOUNCED INSPECTION OF PREVIOUSLY IDENTIFIED INSPECTION ITEMS; CONTROL ROD DROP TIME TESTS; CONTROL ROD DRIVE AND POSITION INDICATION CHECKS; REACTOR THERMOCOUPLE/RTD CALIBRATION; INCORE/EXCORE CALIBRATION; CORE POWER DISTRIBUTION LIMITS; CORE THERMAL POWER EVALUATION; CONTROL ROD WORTH MEASUREMENTS; REACTOR SHUTDOWN MARGIN DETERMINATION; ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT; DETERMINATION OF REACTIVITY ANOMALIES. THE INSPECTION INVOLVED A TOTAL OF 40 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS OFF-SHIFTS. OF THE ELEVEN AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (INADEQUATE 50.59 REVIEW).

INSPECTION ON OCTOBER 25-29, (82-30): INCLUDED A REVIEW OF SECURITY ORGANIZATION - MANAGEMENT, PERSONNEL, AND RESPONSE; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - VITAL AREAS AND PROTECTED AREAS; ACCESS CONTROLS - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - VITAL AREAS AND PROTECTED AREAS; SAFEGUARDS CONTINGENCY PLAN; GUARD TRAINING AND QUALIFICATION PLAN; FOLLOWUP ON PREVIOUS ITEMS OF NONCOMPLIANCE; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 74 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT PERIOD; 16 OF THE 74 INSPECTOR-HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION EXCEPT FOR THE FOLLOWING TWO ITEMS: SECURITY ORGANIZATION - PERSONNEL: A SECURITY OFFICER PERFORMED DUTIES WITHOUT BEING FULLY QUALIFIED IN ONE ASPECT OF THE DUTY. ACCESS CONTROL - PERSONNEL: PROTECTED AREA BADGES ON ONE OBSERVED OCCASION WERE NOT ISSUED IN ACCORDANCE WITH THE LICENSEE'S PROCEDURE. TWO ITEMS OF NONCOMPLIANCE NOTED IN THE PREVIOUS INSPECTION WERE CLOSED. ALL AREAS OF CONCERN NOTED IN THE PREVIOUS INSPECTION WERE CLOSED. AN AREA OF CONCERN PERTAINING TO MAINTENANCE SUPPORT FOR CERTAIN SECURITY EQUIPMENT WAS NOTED DURING THIS INSPECTION. THE LICENSEE'S COMMITMENTS PERTAINING TO THE AREA OF CONCERN

INSPECTION SUMMARY

APPEARED ADEQUATE TO RESOLVE THE ISSUE.

INSPECTION ON OCTOBER 3 - 30, (82-31): ROUTINE SAFETY INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LER FOLLOWUP; IE CIRCULAR FOLLOWUP; IE BULLETIN FOLLOWUP; PLANT TRIPS; REGIONAL REQUESTS ON FIRE DOORS AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 133 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 33 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SEVEN AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE MAINTENANCE PROCEDURE).

INSPECTION ON NOVEMBER 1-30, (82-32): ROUTINE SAFETY INSPECTION OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; PLANT TRIPS; IE CIRCULAR FOLLOW-UP; TMI LESSONS LEARNED; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 216 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 60 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 30 AND DECEMBER 1, (82-33): INSPECTION OF LICENSEE IMPLEMENTATION OF IEB 79-14; FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. THIS INSPECTION INVOLVED A TOTAL OF 12 INSPECTOR-HOURS AT THE LICENSEE'S A-E OFFICE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR, APPENDIX B, CRITERION XVI, STATES IN PART, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS...DEFICIENCIES, DEVIATIONS...AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED." TOLEDO EDISON NUCLEAR QUALITY ASSURANCE PROCEDURE 2160, REVISION 9, STATES IN PART, "TOLEDO EDISON, ITS AGENTS...ARE RESPONSIBLE FOR IMPLEMENTING CORRECTIVE ACTION PROCEDURES WHICH REQUIRE THAT CONDITIONS ADVERSE TO QUALITY BE IDENTIFIED, REVIEWED AND PROMPTLY CORRECTED." A. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO DOCUMENT AN ITEM OF NONCOMPLIANCE REGARDING ADVERSE CONDITIONS CAUSED BY SUPPORTING CLASS 1E CONDUIT 38080C FROM A NON-SEISMIC HANGER. THIS ITEM HAD BEEN PREVIOUSLY IDENTIFIED BY THE INSPECTOR AND BROUGHT TO THE ATTENTION OF THE LICENSEE. HOWEVER, CORRECTIVE ACTION WAS SUBSEQUENTLY, NOT ACCOMPLISHED IN ACCORDANCE WITH WRITTEN PROCEDURES. THE FOLLOWING VIOLATIONS OF THE ABOVE REQUIREMENTS WERE DETERMINED. (1) CONDUIT 38080C HAD BEEN PROPERLY INSTALLED. HOWEVER, IT WAS APPARENTLY REWORKED WITHOUT BENEFIT OF QUALITY DOCUMENTATION. (2) AFTER THE INSPECTOR IDENTIFIED THE CIRCUMSTANCES OUTLINED IN (1) ABOVE, THE LICENSEE TOOK CORRECTIVE ACTION. HOWEVER, THE RESTORATION OF CONDUIT 38080C TO ITS PROPER HANGER 13514-4025E, WAS NOT ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED AND APPROVED PROCEDURES OR INSTRUCTIONS. B. TOLEDO EDISON NUCLEAR CONSTRUCTION DEPARTMENT PROCEDURE (NCDP) 6080.01, REVISION 2, STATES IN PART, "WHENEVER AN ITEM IS SEPARATED FROM ITS IDENTIFICATION, SUCH AS...CUTTING OFF A PIECE OF CABLE FROM A REEL, THE IDENTIFICATION SUCH AS A PURCHASE ORDER NUMBER...SHALL BE TRANSFERRED TO EACH MARKED PIECE. MATERIAL NOT IDENTIFIED TO THE PURCHASE ORDER SHALL NOT BE PERMITTED TO BE USED." CONTRARY TO THIS REQUIREMENT, THE LICENSEE FAILED TO TAKE CORRECTIVE ACTION OR ESTABLISH MEASURES TO DETERMINE WHETHER CABLES ALREADY CUT FROM THEIR REELS, AND ISSUED UNDER FCR NUMBERS BEFORE MARCH, 1982 COULD BE IDENTIFIED OR DETERMINE WHAT IMPACT THIS LACK OF IDENTIFICATION COULD HAVE ON SAFETY. THE FOLLOWING CABLES WERE DETERMINED NOT TO HAVE TRACEABILITY TO A UNIQUE AND SPECIFIC DOCUMENT ATTESTING TO ITS QUALITY: 2CINCRIMA, 2CINCRIMG, 2LPT4587A, 1LPT4587B, 2LPT4588A, 2LPT4588B, 2CBF1285J, 2CBF1285M, 1CV40608AA, 2LTRC3A6B, 2 LTRC3B6B, 2LF4631M, 2LCT4594B, 2LLE4617C, 1LLT4595A, AND 1LLT4595C. 10 CFR 50, APPENDIX B, CRITERION III, STATES IN PART, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS...FOR THOSE STRUCTURES, SYSTEMS AND COMPONENTS TO WHICH THIS APPENDIX APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS...AND INSTRUCTIONS. THESE MEASURES SHALL INCLUDE PROVISIONS TO ASSURE THAT APPROPRIATE STANDARDS ARE SPECIFIED AND INCLUDED IN DESIGN DOCUMENTS AND THAT DEVIATIONS FROM SUCH STANDARDS ARE CONTROLLED." CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT MEASURES TO ASSURE THAT APPLICABLE REGULATORY AND DESIGN BASIS REQUIREMENTS WERE SPECIFIED AND THAT DEVIATIONS FROM SUCH STANDARDS WERE DOCUMENTED AND CONTROLLED FOR CERTAIN POST-THREE MILE ISLAND (TMI) MODIFICATIONS. REMOVAL OF THE SEISMIC SPECIFICATIONS FROM THE PROCUREMENT DOCUMENTS FOR FCR'S 79-409, 79-425, AND 79-430 WERE NOT ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED AND APPROVED PROCEDURES OR INSTRUCTIONS. CONSEQUENTLY, FAILURE TO DOCUMENT THE DESIGN CHANGES RESULTED IN QA INSPECTORS APPROVING THE INSTRUMENTATION WITHOUT THE SEISMIC QUALIFICATIONS, AS REQUIRED BY NUREG-737. THE LICENSEE FAILED TO CONTROL DESIGN CHANGES FOR THE FOLLOWING INSTRUMENTATION: A. CONTAINMENT WIDE RANGE WATER LEVEL INDICATION (FCR-79-409). B. CONTAINMENT WIDE RANGE PRESSURE INDICATION (FCR-79-425). C. SAFETY GRADE AFW FLOW INDICATION (FCR-79-430).

ENFORCEMENT SUMMARY

(8221 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES STATED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972 SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. A. TOLEDO EDISON MAINTENANCE PROCEDURE 1410.34, SECTION 6.1.1, STATES IN PART, "HANGERS AND SUPPORTS SHALL BE SEISMIC CLASS 1 TYPE AS SPECIFIED IN STANDARD E-302A." TOLEDO EDISON MAINTENANCE PROCEDURE 1410.35, SECTION 6.2.3, STATES IN PART, "CONDUIT SHALL NOT BE SUPPORTED FROM PIPES, DUCTWORKS...OR THEIR SUPPORTS UNLESS SPECIFICALLY ALLOWED BY THE DRAWINGS FOR THAT PARTICULAR RUN." CONTRARY TO THESE REQUIREMENTS, THE INSPECTOR OBSERVED THE FOLLOWING CIRCUMSTANCES: (1) THE INSPECTOR OBSERVED THAT SAFETY RELATED CONDUIT NO. 3808C, WHICH CONNECTS TO TRANSMITTER LIT 4618, WAS SUPPORTED FROM A NON-CLASS 1E HANGER WITH OTHER NON-SAFETY PIPES AND DUCTS. (2) SUPPORT AND MOUNTING HARDWARE FOR THE CLASS 1E CONDUIT IDENTIFIED ABOVE IN (1), WAS NOT IN ACCORDANCE WITH BECHTEL STANDARD E-302A. IN ADDITION, NO DRAWING OR INSTRUCTIONS HAD SPECIFICALLY ALLOWED THE OBSERVED CONFIGURATION. B. TOLEDO EDISON MAINTENANCE PROCEDURE 1410.23.1, INSTALLATION PROCEDURE FOR PULLING OF ESSENTIAL CABLE, SECTION 6.3.8, STATES IN PART, "...CABLES SHALL NOT BE LEFT COILED UNPROTECTED ON THE FLOOR." CONTRARY TO THE ABOVE, DURING THE WEEK OF JULY 12-16, 1982, FOUR CLASS 1E CABLES WERE OBSERVED TO BE LYING ON THE CABLE SPREADING ROOM FLOOR WITHOUT PROPER SUPPORT OR PROTECTION TO PREVENT DAMAGE TO THE PARTIALLY PULLED CABLES. IN ADDITION, ON JULY 14, 1982, COILED CABLE IN THE CONTROL ROOM WAS NOT PROPERLY SUPPORTED AT THE END OF THE WORK ACTIVITIES FOR THAT DAY. 10 CFR, APPENDIX B, CRITERION V, STATES IN PART, "INSTRUCTIONS, PROCEDURES OR DRAWINGS SHALL INCLUDE APPROPRIATE QUANTITATIVE OR QUALITATIVE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED." TOLEDO EDISON NUCLEAR QUALITY ASSURANCE PROCEDURE 2050, REVISION 4, STATES IN PART, "APPROVED WRITTEN PROCEDURES/INSTRUCTIONS SHALL BE DEVELOPED WHICH REQUIRE THAT THESE DOCUMENTS...BE COMPLETE, CURRENT AND CONTAIN SUFFICIENT QUANTITATIVE (SUCH AS DIMENSIONS, TOLERANCES...) AND QUANTITATIVE...ACCEPTANCE CRITERIA AS APPROPRIATE TO VERIFY SATISFACTORY WORK PERFORMANCE. CONTRARY TO THE ABOVE, A SATISFACTORY QUALITATIVE OR QUANTITATIVE CRITERIA FOR ATTRIBUTES SUCH AS SLOPE, ETC. WERE NOT PROPERLY DELINEATED ON DRAWINGS, PROCEDURES OR INSTRUCTIONS (WHICH ARE READILY ACCESSIBLE TO QC INSPECTORS) FOR VERIFYING INSTRUMENT LINE INSTALLATION. ON MAY 6, 1982, A QC INSPECTOR VERIFIED THAT PRESSURE TRANSMITTER INSTRUMENTS PT-4587 AND PT-4588 WERE INSTALLED IN ACCORDANCE WITH DRAWINGS J-801 SHEETS 1 AND 2 AND FIELD CHANGE NOTICE (FCN) 2022 BUT WAS NOT AWARE OF SLOPE REQUIREMENTS SINCE THE DRAWINGS DID NOT INCLUDE THAT INFORMATION. FURTHERMORE, THE LICENSEE HAD ALREADY ISSUED VENDOR DRAWINGS CHANGE NOTICE M329-624-11 TO CORRECT DRAWING DISCREPANCIES AND FCR 416-82 TO CORRECT INSTRUMENT TUBING DIMENSIONS, BUT NEITHER ADDRESSED OR DETERMINED WHAT THE PROPER SLOPE OF THE LINE SHOULD HAVE BEEN FOR THE INSTRUMENTS. 10 CFR, APPENDIX B, CRITERION X, STATES IN PART, "A PROGRAM FOR INSPECTION OF ACTIVITIES AFFECTING QUALITY SHALL BE EXECUTED...TO VERIFY CONFORMANCE WITH THE DOCUMENTED...DRAWINGS FOR ACCOMPLISHING THE ACTIVITY. TOLEDO EDISON NUCLEAR QUALITY ASSURANCE PROCEDURE 2100, REVISION 3, STATES IN PART, "THIS PROCEDURE ESTABLISHES THE REQUIREMENT FOR INSPECTIONS PERFORMED TO VERIFY CONFORMANCE TO THE APPROVED WRITTEN INSTRUCTIONS...AND DRAWING FOR ACCOMPLISHING THE ACTIVITY BEING INSPECTED." CONTRARY TO THE ABOVE, TRANSMITTERS FT4630 AND FT 4631 INSTRUMENT LINES WERE NOT INSTALLED PER BECHTEL ISOMETRIC DRAWING J-904, SH.1, REVISION 0B, ALTHOUGH A POST INSPECTION CONSTRUCTION AUTHORIZATION VERIFYING INSTALLATION OF THE TRANSMITTERS HAD ALREADY BEEN SIGNED OFF BY QC ON MAY 4, 1982.

(8221 5)

TECHNICAL SPECIFICATION 4.3.2.2.1 REQUIRES THE STEAM FEED RUPTURE CONTROL SYSTEM (SFRCS) LOW STEAM LINE PRESSURE INSTRUMENT CHANNEL BE CHANNEL FUNCTIONAL TESTED ON A MONTHLY BASIS. CONTRARY TO THE ABOVE ON SEPTEMBER 16, 1982, IT WAS DETERMINED THAT SECTION 6.2 OF ST 5013.14 WHICH PERFORMS THE MONTHLY CHANNEL FUNCTIONAL TEST ON ALL THE SFRCS LOW STEAM LINE PRESSURE SWITCHES HAD NOT BEEN PERFORMED AT ITS REQUIRED FREQUENCY. THE TEST WAS LAST PERFORMED ON AUGUST 5, 1982 AND WAS REQUIRED TO BE PERFORMED ON OR BEFORE SEPTEMBER 12, 1982. TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION 3.6.3.1 REQUIRES CONTAINMENT ISOLATION VALVES OF TABLE 3.6-2 TO BE OPERABLE. CHECK VALVES SA 502, IA 501, NN 58, CV 124 AND CV 125 ARE CONTAINED IN TABLE 3.6-2. OPERABILITY, IN PART, IS BASED ON MEETING THE SURVEILLANCE REQUIREMENTS OF THE APPLICABLE LIMITING CONDITION FOR OPERATION AND THE SURVEILLANCE REQUIREMENTS OF THE ASME CODE SECTION XI AS DELINEATED IN SECTION 4.0.5 OF TECHNICAL SPECIFICATIONS. TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION 3.0.3 STATES IN PART THAT "IN THE EVENT A LIMITING CONDITION FOR OPERATION AND/OR ASSOCIATED ACTION REQUIREMENTS CANNOT BE SATISFIED BECAUSE OF CIRCUMSTANCES IN EXCESS OF THOSE ADDRESSED IN THE SPECIFICATION, THE FACILITY SHALL BE PLACED IN AT LEAST HOT STANDBY WITHIN ONE HOUR AND IN COLD SHUTDOWN WITHIN THE FOLLOWING THIRTY HOURS UNLESS CORRECTIVE MEASURES ARE COMPLETED THAT PERMIT OPERATION UNDER THE PERMISSIBLE ACTION STATEMENTS FOR THE SPECIFIED TIME INTERVAL SO MEASURED FROM INITIAL DISCOVERY." CONTRARY TO THE ABOVE THE LICENSEE DID NOT ENTER THE ACTION STATEMENT OF TECHNICAL SPECIFICATION 3.6.3.1 OR PLACE THE UNIT IN HOT STANDBY WITHIN ONE HOUR ONCE IT HAD BEEN DETERMINED THAT VALVES SA 502, IA 501, NN 58, CV 124 AND CV 125 HAD NOT BEEN SURVEILLANCE TESTED AT THE REQUIRED FREQUENCY DELINEATED BY SECTION XI OF THE ASME BOILER AND PRESSURE CODE.

ENFORCEMENT SUMMARY

(8227 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT THE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972 SHALL BE IMPLEMENTED. APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972, INCLUDES ADMINISTRATIVE PROCEDURES. ADMINISTRATIVE PROCEDURE AD 1828.15, "REQUALIFICATION", REQUIRES THAT IF TRAINING CONSULTANTS ARE UTILIZED FOR ANY WRITTEN EXAMINATIONS, THE REQUALIFICATION INSTRUCTOR AND/OR THE NUCLEAR OPERATIONS TRAINING SUPERVISOR WILL REVIEW AND APPROVE ALL ASPECTS OF THE EXAMINATION PROCESS. CONTRARY TO THE ABOVE, A REACTOR THEORY EXAMINATION WAS PREPARED, APPROVED, AND ADMINISTERED IN AUGUST, 1982, BY A GENERAL PHYSICS INSTRUCTOR WITH NO APPROVAL BY THE OPERATIONS TRAINING SUPERVISOR.
(8229 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

THE MAIN TURBINE GENERATOR BEARINGS NUMBER 5 AND 6 HAVE HAD INCREASING VIBRATION READINGS DURING NOVEMBER AND A BALANCE IS PLANNED FOR THE FIRST WEEK-END IN DECEMBER. THE OUTAGE IS PLANNED TO LAST ABOUT 24 HOURS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 1-31, 1982

INSPECTION REPORT NO: 82-34

REPORTS FROM LICENSEE

DAVIS-BESSE 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-56/ 03L-0	11/04/82	12/02/82	DURING ATTEMPT TO RESTART JOCKEY FIRE PUMP, BREAKER BF114 TRIPPED, CAUSING LOSS OF POWER TO F12 SERIES MOTOR CONTROL CENTERS.
82-57/ 03L-0	11/05/82	12/02/82	FIRE DOOR 400 (BOUNDARY DOOR FOR SPENT FUEL POOL AREA) FOUND NOT CLOSED AND LATCHED.
82-58/ 03L-0	11/06/82	12/03/82	DURING SURV. TEST ST 5032.01 SETPOINTS FOR THE MONITOR FOUND DRIFTED, CAUSING AN ALERT AND HIGH ALARMS. MONITOR DECLARED INOP.
82-59/ 03T-1	11/08/82	12/15/82	CONTAINMENT POST ACCIDENT RADIATION MONITOR READING VERY LOW. MONITOR DECLARED INOP.
82-60/ 03T-1	11/11/82	12/15/82	DURING MONTHLY SFRCS TEST, THE 48 VDC POWER SUPPLY FOR CHANNEL 2 FAILING AT RATE OF 1 VOLT/HOUR.
82-61/ 03L-0	11/16/82	12/15/82	CONTROL ROOM ACCESS DOOR AND CENTRAL ALARM STATION ACCESS DOOR DECLARED INOP DUE TO IMPROPER FIRE RATING LABELS ON DOORS.
82-62/ 03L-0	11/17/82	12/17/82	DISCHARGE CHECK VALVE APPARENTLY STUCK, AND DECLARED INOP.
82-63/ 03L-0	11/18/82	12/17/82	EMERG. D/G TAKEN OUT OF SERVICE FOR MAINTENANCE AND OFFSITE A.C. SOURCE OPERABILITY NOT DEMONSTRATED AS REQUIRED PER T.S.

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1. Docket: 50-237 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: BEN SCHROEDER (815) 942-2920
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 772
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

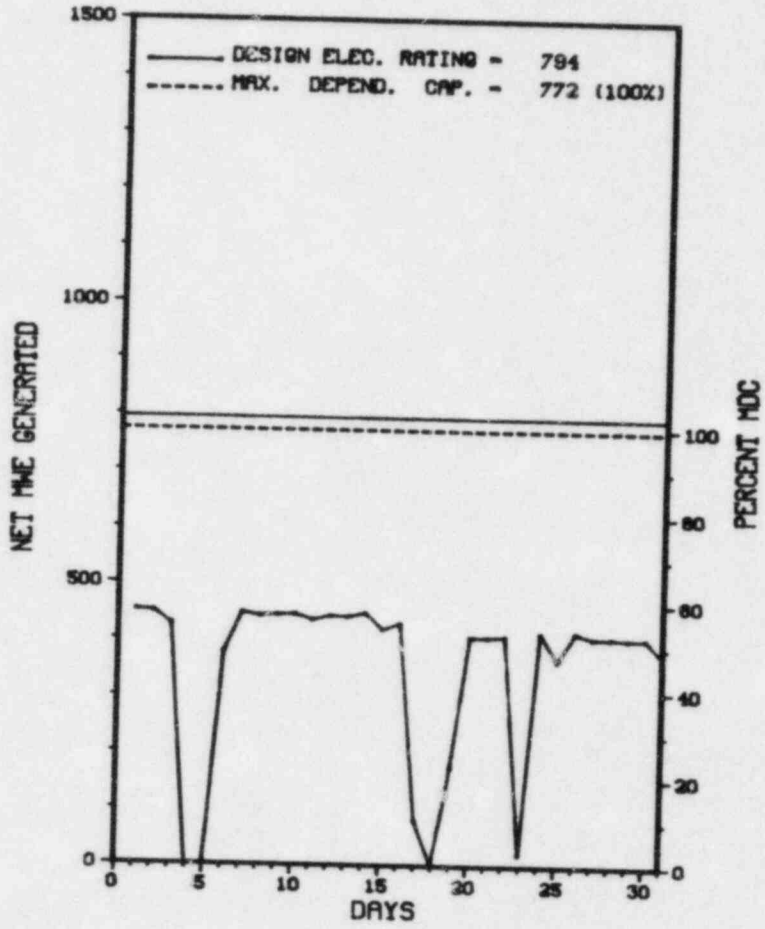
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	110,760.0
13. Hours Reactor Critical	657.4	8,223.6	86,858.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	623.1	8,096.1	82,820.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	897,266	16,906,170	165,464,331
18. Gross Elec Ener (MWH)	276,354	5,404,944	52,888,234
19. Net Elec Ener (MWH)	257,223	5,123,040	49,999,930
20. Unit Service Factor	83.7	92.4	74.8
21. Unit Avail Factor	83.8	92.4	74.8
22. Unit Cap Factor (MDC Net)	44.8	75.8	58.5
23. Unit Cap Factor (DER Net)	43.5	73.7	56.9
24. Unit Forced Outage Rate	16.3	6.4	11.6
25. Forced Outage Hours	120.9	556.0	3,344.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
JANUARY, 1983 REFUELING OUTAGE @ 12 WEEKS
27. If Currently Shutdown Estimated Startup Date: N/A

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* DRESDEN 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	12/04/82	F	49.1	H	1				FLOODING OF CRIB HOUSE DUE TO RISING RIVER (HEAVY RAINS).
11	12/17/82	F	50.2	A	2				2D3 FEEDWATER HEATER HAD A CRACKED WELD IN EMERGENCY SPILL TO CONDENSER - REWELDED.
12	12/23/82	F	21.6	A	2				LOW AIR PRESSURE TO SCRAM VALVE. INVESTIGATED.

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* SUMMARY *
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DRESDEN 2 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

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

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 7, 1970

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

DATE COMMERCIAL OPERATE....JUNE 9, 1970

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

MEETING HELD ON JUNE 2 (82-14): TO REVIEW THE RESULTS OF THE NRC'S SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE COVERING THE PERIOD OF JULY 1, 1980 THROUGH DECEMBER 31, 1981.

INSPECTION ON SEPTEMBER 4 THROUGH OCTOBER 1, (82-23): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; PLANT TRIPS; SPENT FUEL RACKS; OBSERVATION OF WORK AND WORK ACTIVITIES; AND INSPECTION DURING LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 71 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFFSHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 2-29, (82-25): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF HEADQUARTERS REQUESTS; REGIONAL REQUESTS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; REVIEW OF PLANT OPERATIONS (EMERGENCY PREPAREDNESS); RECEIPT OF NEW FUEL; AND INSPECTION DURING LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 173 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 36 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE NINE AREAS INSPECTED, THERE WERE NO ITEMS OF NONCOMPLIANCE IDENTIFIED.

INSPECTION ON NOVEMBER 4-5 AND CONFERENCE CALL OF NOVEMBER 10, (82-26): ROUTINE SAFETY INSPECTION TO FOLLOWUP LICENSEE ACTIONS IN REGARD TO PREVIOUSLY IDENTIFIED ITEMS. THE INSPECTION INVOLVED A TOTAL OF 13 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. SIX OPEN OR UNRESOLVED ITEMS WERE CLOSED OUT. TWO ADDITIONAL OPEN ITEMS REQUIRE MINOR VERIFICATIONS AFTER WHICH THEY WILL BE CLOSED OUT.

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* DRESDEN 2 *
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INSPECTION SUMMARY

SAFETY EVALUATION REPORT FOR NOVEMBER (82-27): ROUTINE SAFETY EVALUATION REPORT OF THE GENERATING STATIONS EMERGENCY PLAN (GSEP) AND THE DRESDEN SITE SPECIFIC ANNEX DATED NOVEMBER 1981 AND JUNE 1982 RESPECTIVELY. THE INSPECTION INVOLVED 67 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE'S GSEP AND DRESDEN SITE SPECIFIC ANNEX RELATED TO EMERGENCY PREPAREDNESS AT THE DRESDEN NUCLEAR GENERATING STATION, UNITS 2 AND 3, MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

INSPECTION ON NOVEMBER 15-19, (82-28): INCLUDED A REVIEW OF SECURITY ORGANIZATION - MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; TRAINING AND QUALIFICATION PLAN; CONTINGENCY PLAN; INDEPENDENT INSPECTION EFFORT; FOLLOW UP OF AN UNRESOLVED ITEM AND ITEMS OF CONCERN; AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 76 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 10 HOURS WERE ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: LOCKS KEYS, AND COMBINATIONS: THE LICENSEE FAILED TO ADEQUATELY CONTROL A SECURITY RELATED KEY AS REQUIRED BY THE SECURITY PLAN. AN ITEM OF CONCERN RELATING TO THE TIMELINESS OF MAINTENANCE ON SOME SECURITY RELATED EQUIPMENT WAS ALSO NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT 70 PERCENT POWER IN A COASTDOWN TO REFUELING.

LAST IE SITE INSPECTION DATE: DECEMBER 14, 1982 THROUGH JANUARY 6, 1983

INSPECTION REPORT NO: 82-30

REPORTS FROM LICENSEE

DRESDEN 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-40/ 82-44/ 03L-0	08/30/82 11/09/82	10/21/82 12/03/82	VALVE 2-1601-33A SHOWED BINDING DURING MOVEMENT DURING TORUS-DRYWELL VACUUM D/G LUBRICATING OIL PUMP WAS FOUND OFF AND BREAKER TRIPPED.
82-45/ 03L-0	11/06/82	12/02/82	DURING LOAD REDUCTION, IT WAS FOUND THAT ALL AGAF'S GREATER THAN 1.02.
82-46/ 03L-0	11/09/82	11/24/82	DURING HIGH RANGE BORON TEST FOR STANDBY LIQUID CONTROL, BORON CONCENTRATION FOUND LOW.
82-47/ 03L-0	11/17/82	12/06/82	DURING REACTOR VESSEL LOW WATER LEVEL ECCS INITIATION LIS 263-72A FOUND SET AT 11.6 INCHES DELTA P. REDUNDANT SWITCH IN AFFECTED CHANNEL WITHIN LIMITS.
82-49/ 03L-0	11/28/82	12/20/82	DURING QUARTERLY VALVE TIMING SURV., TORUS INERT AND PURGE VALVE 2-1601-56 WOULD NOT AUTO-CLOSE.
82-50/ 01T-0 03X-1	12/03/82	12/13/82	DURING ROUTINE CRIBHOUSE INSPECTION, OPERATOR NOTED THAT INTAKE WATER LEVEL HAD RISEN TO 509 FT 2 IN. A GSEP ALERT DECLARED AND EPIP 200-11 WAS INITIATED. BOTH UNITS 2 & 3 SHUT DOWN PER DGP 2-1. BREAKER OPERABILITY TEST.
82-42/ 01X-1	10/02/82	11/24/82	FOLLOWING A TORUS HI/LOW LEVEL ALARM THE SIGHTGLASS ISOLATION AND VENT VALVES WERE REPORTED OPEN WITH NO INDICATION OF EXCESS MAKE-UP.

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1. Docket: 50-249 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: BEN SCHROEDER (815) 942-2920
4. Licensed Thermal Power (MWt): 2527
5. Nameplate Rating (Gross MWe): 920 X 0.9 = 828
6. Design Electrical Rating (Net MWe): 794
7. Maximum Dependable Capacity (Gross MWe): 812
8. Maximum Dependable Capacity (Net MWe): 773
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	100,345.0
13. Hours Reactor Critical	732.8	5,731.2	76,380.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	695.7	5,565.4	73,459.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,634,116	12,671,656	146,263,646
18. Gross Elec Ener (MWH)	538,318	4,102,015	47,565,121
19. Net Elec Ener (MWH)	514,515	3,887,883	45,082,644
20. Unit Service Factor	93.5	63.5	73.2
21. Unit Avail Factor	93.5	63.5	73.2
22. Unit Cap Factor (MDC Net)	89.5	57.4	58.1
23. Unit Cap Factor (DER Net)	87.1	55.9	56.6
24. Unit Forced Outage Rate	6.5	4.6	13.4
25. Forced Outage Hours	48.3	268.9	6,270.7

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

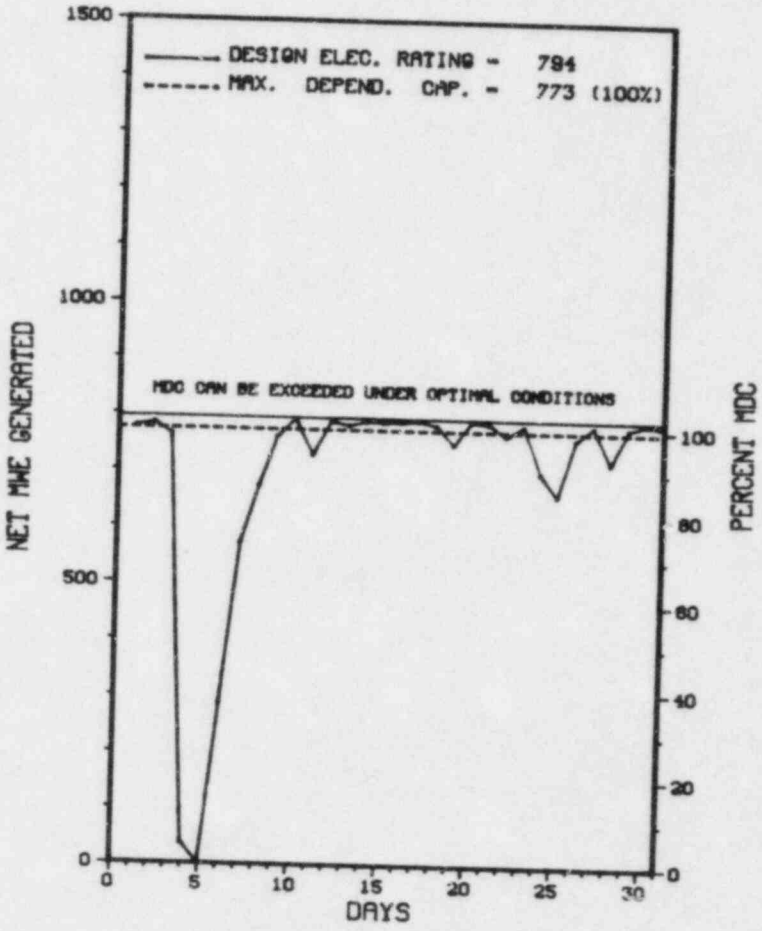
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	12/04/82	F	48.3	H	1				FLOODING OF CRIB HOUSE DUE TO RISING RIVER (HEAVY RAINS).

****
* SUMMARY *
****

DRESDEN 3 OPERATED WITH 1 OUTAGE AND NO REDUCTIONS DURING DECEMBER.

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)

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....GRUNDY

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JANUARY 31, 1971

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

DATE COMMERCIAL OPERATE....NOVEMBER 16, 1971

CONDENSER COOLING METHOD...COOLING LAKE

CONDENSER COOLING WATER....KANKAKEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....T. TONGUE

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

MEETING HELD ON JUNE 2 (82-14): TO REVIEW THE RESULTS OF THE NRC'S SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE COVERING THE PERIOD OF JULY 1, 1980 THROUGH DECEMBER 31, 1981.

INSPECTION ON SEPTEMBER 4 THROUGH OCTOBER 1, (82-23): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; PLANT TRIPS; SPENT FUEL RACKS; OBSERVATION OF WORK AND WORK ACTIVITIES; AND INSPECTION DURING LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 71 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFFSHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 2-29, (82-25): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF HEADQUARTERS REQUESTS; REGIONAL REQUESTS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS; REVIEW OF PLANT OPERATIONS (EMERGENCY PREPAREDNESS); RECEIPT OF NEW FUEL; AND INSPECTION DURING LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 173 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 36 INSPECTOR-HOURS ONSITE DURING OFF-SHIFT. OF THE NINE AREAS INSPECTED, THERE WERE NO ITEMS OF NONCOMPLIANCE IDENTIFIED.

INSPECTION ON NOVEMBER 4-5 AND CONFERENCE CALL OF NOVEMBER 10, (82-26): ROUTINE SAFETY INSPECTION TO FOLLOWUP LICENSEE ACTIONS IN REGARD TO PREVIOUSLY IDENTIFIED ITEMS. THE INSPECTION INVOLVED A TOTAL OF 13 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. SIX OPEN OR UNRESOLVED ITEMS WERE CLOSED OUT. TWO ADDITIONAL OPEN ITEMS REQUIRE MINOR VERIFICATIONS AFTER WHICH THEY WILL BE CLOSED OUT.

DRESDEN 3

INSPECTION SUMMARY

SAFETY EVALUATION REPORT FOR NOVEMBER (82-27): ROUTINE SAFETY EVALUATION REPORT OF THE GENERATING STATIONS EMERGENCY PLAN (GSEP) AND THE DRESDEN SITE SPECIFIC ANNEX DATED NOVEMBER 1981 AND JUNE 1982 RESPECTIVELY. THE INSPECTION INVOLVED 67 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE'S GSEP AND DRESDEN SITE SPECIFIC ANNEX RELATED TO EMERGENCY PREPAREDNESS AT THE DRESDEN NUCLEAR GENERATING STATION, UNITS 2 AND 3, MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

INSPECTION ON NOVEMBER 9, 10 AND 12, (82-28): ROUTINE, UNANNOUNCED INSPECTION OF UNIT 3 CYCLE 8 CONTROL ROD DRIVE SCRAM TIME TESTS; CONTROL ROD SEQUENCE AND REACTIVITY CHECKS; DETERMINATION OF REACTOR SHUTDOWN MARGIN; LPRM CALIBRATIONS; APRM CALIBRATIONS; CORE THERMAL POWER EVALUATION; CORE POWER DISTRIBUTION LIMITS; DETERMINATION OF REACTIVITY ANOMALIES. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS DURING OFFSHIFTS. OF THE EIGHT AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (INADEQUATE PROCEDURE REVIEW).

INSPECTION ON NOVEMBER 15-19, (82-29): INCLUDED A REVIEW OF SECURITY ORGANIZATION - MANAGEMENT, PERSONNEL AND RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; DETECTION AIDS - PROTECTED AND VITAL AREAS; TRAINING AND QUALIFICATION PLAN; CONTINGENCY PLAN; INDEPENDENT INSPECTION EFFORT; FOLLOW UP OF AN UNRESOLVED ITEM AND ITEMS OF CONCERN; AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 76 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT; 10 HOURS WERE ACCOMPLISHED DURING OFF-SHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION, EXCEPT FOR THE FOLLOWING ITEM: LOCKS KEYS, AND COMBINATIONS: THE LICENSEE FAILED TO ADEQUATELY CONTROL A SECURITY RELATED KEY AS REQUIRED BY THE SECURITY PLAN. AN ITEM OF CONCERN RELATING TO THE TIMELINESS OF MAINTENANCE ON SOME SECURITY RELATED EQUIPMENT WAS ALSO NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT OPERATING AT FULL POWER.

LAST IE SITE INSPECTION DATE: DECEMBER 14, 1982 THROUGH JANUARY 6, 1983

INSPECTION REPORT NO: 82-31

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-46/ 03L-0	11/12/82	12/03/82	DURING ROUTINE PLANT INSPECTION, WATER FOUND SPRAYING FROM 1 IN. DRAIN LINE OFF BOTTOM OF 3A FEEDWATER REG. ISO. VALVE MO3-3206A.
82-47/ 03L-0	11/17/82	12/06/82	DURING REACTOR VESSEL LOW WATER LEVEL ECCS INITIATION LIS 263-72-C FOUND SET AT 111.0 INCHES DELTA P.
82-48/ 03L-0	11/26/82	12/20/82	DURING NORMAL OPERATION, OXYGEN ANALYZER UNIT FAILED WITH HIGH OXYGEN ALARM UP IN THE CONTROL ROOM.

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1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: MARK WATSON (319) 851-5611

4. Licensed Thermal Power (MWt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	69,384.0
13. Hours Reactor Critical	744.0	6,777.6	50,256.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	6,545.8	48,935.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,047,696	7,316,122	60,369,520
18. Gross Elec Ener (MWH)	358,174	2,439,877	20,214,917
19. Net Elec Ener (MWH)	336,535	2,280,467	18,912,052
20. Unit Service Factor	100.0	74.7	70.5
21. Unit Avail Factor	100.0	74.7	70.5
22. Unit Cap Factor (MDC Net)	87.8	50.5	52.9
23. Unit Cap Factor (DER Net)	84.1	48.4	50.7
24. Unit Forced Outage Rate	.0	22.0	17.8
25. Forced Outage Hours	.0	1,845.6	10,565.4

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

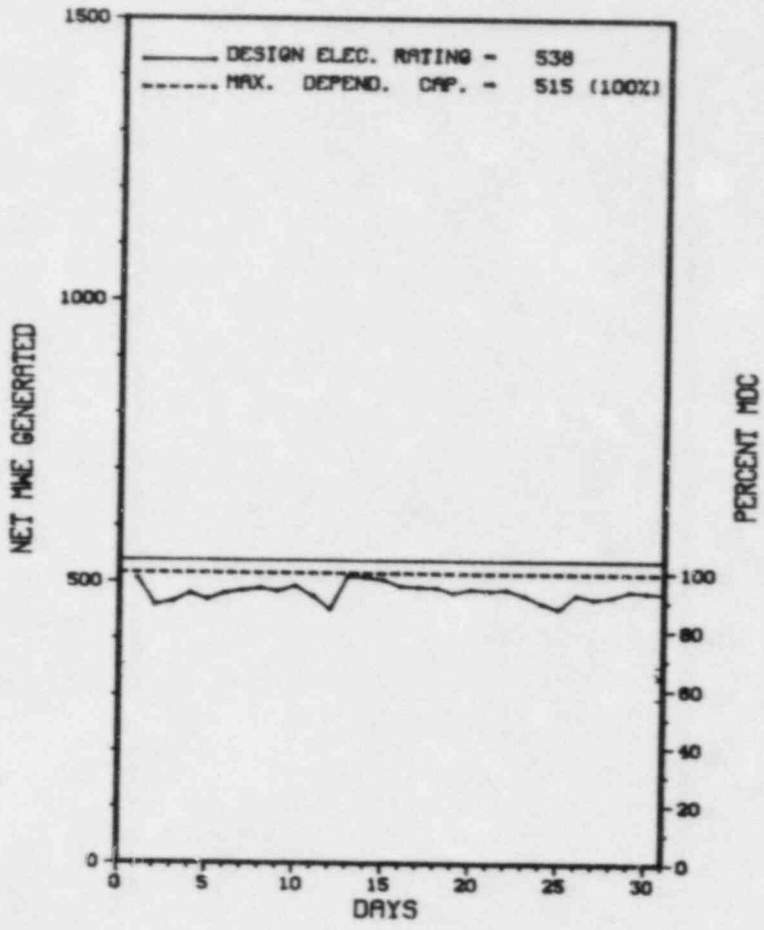
REFUELING, FEBRUARY 11, 1983, 8 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

DUANE ARNOLD

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

SUMMARY

DUANE ARNOLD OPERATED AT NEAR FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA

COUNTY.....LINN

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 23, 1974

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

DATE COMMERCIAL OPERATE....FEBRUARY 1, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CEDAR RAPIDS RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....L. CLARDY

LICENSING PROJ MANAGER.....F. APICELLA
DOCKET NUMBER.....50-331

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

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

INSPECTION STATUS

INSPECTION SUMMARY

SAFETY EVALUATION REPORT FOR DECEMBER, (82-17): ROUTINE SAFETY EVALUATION REPORT OF THE EMERGENCY PLANS FOR THE DUANE ARNOLD ENERGY CENTER AND IOWA ELECTRIC LIGHT AND POWER CORPORATE ORGANIZATIONS DATED JULY 1982. THE INSPECTION INVOLVED 97 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE'S DUANE ARNOLD ENERGY CENTER AND IOWA ELECTRIC LIGHT AND POWER CORPORATE ORGANIZATION EMERGENCY PLANS RELATED TO EMERGENCY PREPAREDNESS AT THE DUANE ARNOLD ENERGY CENTER MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT 50 PERCENT POWER AND IS ON A COASTDOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: DECEMBER 6-10, 1982

INSPECTION REPORT NO: 82-20

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-75/ 03L-0	11/06/82	12/03/82	DURING SHUTDOWN DRYWELL PURGE, PDIS-4305 OPENED DRYWELL TO SUPPRESSION CHAMBER VACUUM BREAKER CV-4305 CONSERVATIVELY AND WOULD NOT RESET TO CLOSE CV-4305.
82-76/ 03L-0	11/08/82	12/03/82	DURING SHUTDOWN SURV. TESTING, DRYWELL PRESSURE SWITCH PS-4310C TRIPPED HIGH OF T.S. REDUNDANT SWITCHES OPERATED PROPERLY. 9 PREVIOUS OCCURRENCES.
82-77/ 03L-0	11/16/82	12/10/82	DURING SHUTDOWN SURV. TESTING, RHR SERVICE WATER PUMP 1P-22D FAILED TO MEET T.S. REQUIRED TDS OF 610 FEET AT RATED FLOW OF 24 GPM.
82-79/ 03L-0	11/17/82	12/10/82	DURING NORMAL SURV. TESTING, 'B' CORE SPRAY SYSTEM HEADER TO TOP OF CORE PLATE HIGH DIFF. PRESSURE SWITCH PDIS-2139 TRIPPED AT 2.1 PSID, BELOW T.S. LIMITS.
82-80/ 03L-0	11/22/82	12/17/82	RWSS TRAVELING SCREEN WASH PUMP FOUND TO HAVE DISCHARGE HEAD OF 33 PSIG INSTEAD OF 60 PSIG REQUIRED.
82-81/ 03L-0	11/23/82	12/10/82	DURING NORMAL OP. SURV. TESTING, THE 'B' SFU HEATER TRIPPED ON OVERTEMP.

1. Docket: 50-348 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DENNIS HERRIN (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 845
8. Maximum Dependable Capacity (Net MWe): 804
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	44,568.0
13. Hours Reactor Critical	736.5	7,165.7	28,147.5
14. Rx Reserve Shtdwn Hrs	.0	122.5	3,614.5
15. Hrs Generator On-Line	731.2	6,938.5	27,268.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,856,957	17,545,138	68,490,047
18. Gross Elec Ener (MWH)	590,146	5,536,596	21,672,548
19. Net Elec Ener (MWH)	559,140	5,216,496	20,440,220
20. Unit Service Factor	98.3	79.2	61.2
21. Unit Avail Factor	98.3	79.2	61.2
22. Unit Cap Factor (MDC Net)	93.5	74.1	57.1*
23. Unit Cap Factor (DER Net)	90.7	71.8	55.3
24. Unit Forced Outage Rate	1.7	20.6	18.3
25. Forced Outage Hours	12.8	1,795.1	6,077.1

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

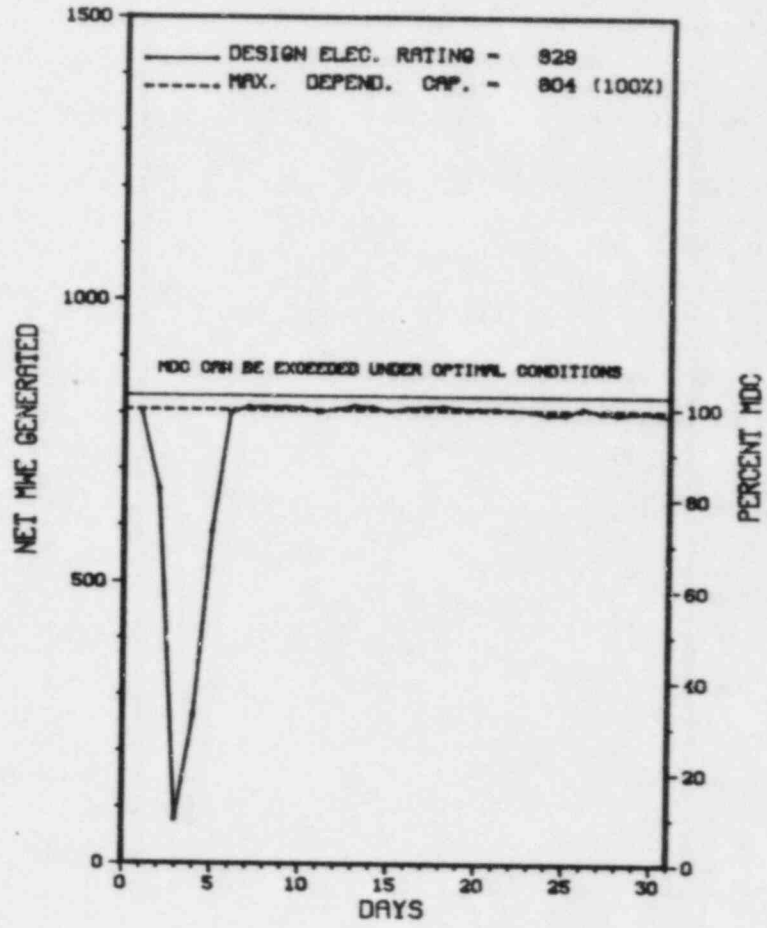
REFUELING OUTAGE, 1/15/83, APPROX. 11 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

FARLEY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
011	12/02/82	F	12.8	A	3		CH	INSTRU	UNIT TRIPPED DUE TO THE FAILURE OF A CONTROL DRIVER CARD FOR 1A FEED REGULATING VALVE POWER SUPPLY. A SUBSEQUENT REACTOR TRIP OCCURRED DUE TO LO-LO S/G LEVEL CAUSED BY OPERATOR ERROR.

SUMMARY

FARLEY 1 OPERATED AT OR NEAR FULL POWER WITH 1 OUTAGE AND NO REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 9, 1977

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1977

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 7-10 (82-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, IE BULLETIN 79-13 FOLLOWUP. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW RADIOGRAPHIC PROCEDURE REQUIREMENTS).

INSPECTION OCTOBER 25 - NOVEMBER 26 (82-27): THIS ROUTINE INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, UNIT 2 CONTAINMENT SPRAY VALVES, UNIT 2 REFUELING, LICENSEE EVENT REPORT AND ORGANIZATION AND ADMINISTRATION. WITHIN THE AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10CFR50, APPENDIX B, CRITERION V AS IMPLEMENTED BY PARAGRAPH 17.1.5 OF THE FSAR REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. PARAGRAPH 15.3 OF RADIOGRAPHIC EXAMINATION PROCEDURE NDE 7.5 G-F REQUIRES THAT THE DENSITOMETER USED TO MEASURE RADIOGRAPHIC FILM DENSITIES BE CALIBRATED PRIOR TO EACH SET OF READINGS AND THAT A LOG BE MAINTAINED WHICH CLEARLY INDICATES THE CALIBRATION OF THE DENSITOMETER BY DATE AND INDIVIDUAL WHO PERFORMED THE CALIBRATION. CONTRARY TO THE ABOVE, ON NOVEMBER 8, 1982, THE LICENSEE REPRESENTATIVE STATED THAT SUCH A LOG HAD NOT BEEN MAINTAINED. 10CFR50, APPENDIX B, CRITERION V AS IMPLEMENTED BY PARAGRAPH 17.1.5 OF THE FSAR REQUIRES THAT ACTIVITIES AFFECTING

ENFORCEMENT SUMMARY

QUALITY BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, AND DRAWINGS. PARAGRAPH 15.3 OF RADIOGRAPHIC EXAMINATION PROCEDURE NDE 7.5 G-F REQUIRES THAT THE DENSITOMETER USED TO MEASURE RADIOGRAPHIC FILM DENSITIES BE CALIBRATED PRIOR TO EACH SET OF READINGS AND THAT A LOG BE MAINTAINED WHICH CLEARLY INDICATES THE CALIBRATION OF THE DENSITOMETER BY DATE AND INDIVIDUAL WHO PERFORMED THE CALIBRATION. CONTRARY TO THE ABOVE, ON NOVEMBER 8, 1982, THE LICENSEE REPRESENTATIVE STATED THAT SUCH A LOG HAD NOT BEEN MAINTAINED.
(8226 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ PREPARING TO SHUTDOWN 1/15/83 FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 25 - NOVEMBER 26, 1982 +

INSPECTION REPORT NO: 50-348/82-27 +

REPORTS FROM LICENSEE

FARLEY 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-054/ 03L-0	09/20/82	10/18/82	THE FEEDWATER FLOW TRANSMITTER FAILED LOW DUE TO THE FAILURE OF AN NLP PRINTED CIRCUIT CARD
82-055/ 03L-0	09/21/82	10/18/82	CHLORINE DETECTOR WAS DECLARED INOPERABLE DUE TO THE DETECTOR TAPE NOT ADVANCING
82-056/ 03L-0	09/27/82	10/26/82	CONTROL ROD BANK INOPERABLE DUE TO THE BANK SELECT RELAY STICKING
82-057/ 03L-0	10/01/82	10/29/82	REACTOR COOLANT PUMP UNDERVOLTAGE RELAY INOPERABLE DUE TO ITS OUT OF SPECIFICATION CONDITION
82-058/ 03L-0	10/25/82	11/22/82	OVERTEMPERATURE-DELTA TEMPERATURE INSTRUMENTATION LOOP WAS OUT OF TOLERANCE WITH THE OTHER CHANNELS. DUE TO DIRTY CONTACTS ON PRINTED CIRCUIT CARD

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1. Docket: 50-364 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DENNIS HERRIN (205) 899-5156
4. Licensed Thermal Power (MWt): 2652
5. Nameplate Rating (Gross MWe): 860
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 855
8. Maximum Dependable Capacity (Net MWe): 814
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	12,481.0
13. Hours Reactor Critical	739.7	7,098.3	10,778.5
14. Rx Reserve Shtdwn Hrs	.0	97.6	138.4
15. Hrs Generator On-Line	681.7	6,935.9	10,602.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,572,848	17,528,504	26,994,662
18. Gross Elec Ener (MWH)	499,308	5,601,828	8,673,206
19. Net Elec Ener (MWH)	470,180	5,295,330	8,216,050
20. Unit Service Factor	91.6	79.2	84.9
21. Unit Avail Factor	91.6	79.2	84.9
22. Unit Cap Factor (MDC Net)	77.6	74.3	80.9
23. Unit Cap Factor (DER Net)	76.2	72.9	79.4
24. Unit Forced Outage Rate	.0	10.6	7.7
25. Forced Outage Hours	.0	824.5	879.0

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

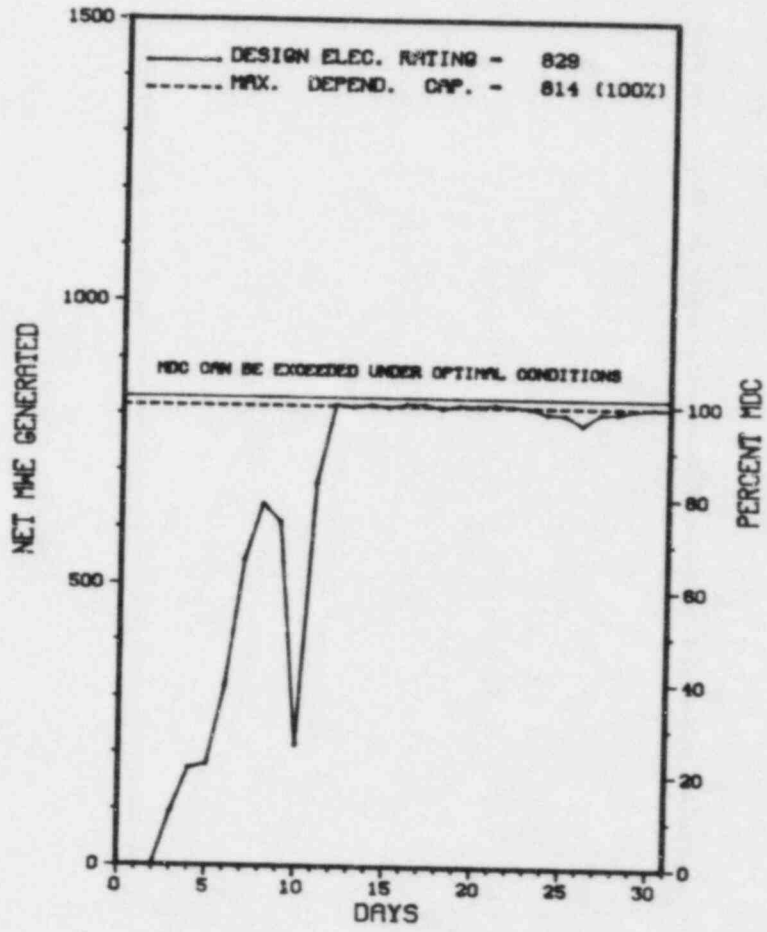
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

FARLEY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
013	10/22/82	S	53.9	C	4				UNIT OUTAGE CONTINUED FROM 11/30/82 FOR REFUELING.
014	12/10/82	S	8.4	B	2				UNIT TAKEN OFF LINE FOR THE PERFORMANCE OF THE TURBINE OVERSPEED TRIP TEST.

SUMMARY

FARLEY 2 RETURNED ONLINE FROM REFUELING AND MAINTENANCE ON DECEMBER 3RD, AND OPERATED WITH 1 ADDITIONAL OUTAGE DURING THE REPORT PERIOD.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA

COUNTY.....HOUSTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 5, 1981

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

DATE COMMERCIAL OPERATE....JULY 30, 1981

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CHATAHOOCHEE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. BRADFORD

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 7-10 (82-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION, IE BULLETIN 79-13 FOLLOWUP. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW RADIOGRAPHIC PROCEDURE REQUIREMENTS).

INSPECTION OCTOBER 25 - NOVEMBER 26 (82-27): THIS ROUTINE INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, UNIT 2 CONTAINMENT SPRAY VALVES, UNIT 2 REFUELING, LICENSEE EVENT REPORT AND ORGANIZATION AND ADMINISTRATION. WITHIN THE AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 16-19 (82-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION DURING A REFUELING OUTAGE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: OCTOBER 25 - NOVEMBER 26, 1982 +

INSPECTION REPORT NO: 50-364/82-27 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-033/03L-1	08/17/82	10/19/82	CONTAINMENT ISOLATION VALVE WAS DECLARED INOPERABLE WHEN ITS BREAKER WAS INADVERTENTLY OPENED BY PERSONNEL
82-039/03L-0	09/19/82	10/18/82	COMPONENT COOLING WATER SYSTEM WAS DECLARED INOPERABLE DUE TO THE ISOLATION OF SERVICE WATER TO THE HEAT EXCHANGER
82-041/03L-0	10/01/82	10/28/82	CONTAINMENT ATMOSPHERE PARTICULATE ACTIVITY MONITOR DUE TO FAULTY LOW VOLTAGE POWER SUPPLY CARD
82-042/03L-0	10/13/82	11/05/82	CONTAINMENT AUX PERSONNEL HATCH FAILED TO MEET THE LEAKAGE ACCEPTANCE CRITERIA DUE TO WORN GASKETS
82-044/03L-0	10/23/82	11/22/82	TURBINE DRIVEN AUXILIARY FEEDWATER PUMP WAS DECLARED INOPERABLE WHEN THE PUMP TRIPPED FOR NO APPARENT REASON
82-045/03L-0	10/23/82	11/22/82	PRESSURIZER SAFETY RELIEF VALVES RELIEF SETPOINT OUT OF TOLERANCE THIS EVENT WAS ATTRIBUTED TO SETPOINT DRIFT

1. Docket: 50-333 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: J. COOK (315) 342-3840
4. Licensed Thermal Power (MWt): 2436
5. Nameplate Rating (Gross MWe): 981 X 0.9 = 883
6. Design Electrical Rating (Net MWe): 821
7. Maximum Dependable Capacity (Gross MWe): 830
8. Maximum Dependable Capacity (Net MWe): 810
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	65,137.0
13. Hours Reactor Critical	607.6	6,704.5	46,255.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	593.5	6,571.6	45,015.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,389,144	15,122,544	93,523,858
18. Gross Elec Ener (MWH)	469,390	5,112,300	31,872,910
19. Net Elec Ener (MWH)	454,650	4,959,655	30,864,385
20. Unit Service Factor	79.8	75.0	69.1
21. Unit Avail Factor	79.8	75.0	69.1
22. Unit Cap Factor (MDC Net)	75.4	69.9	62.6*
23. Unit Cap Factor (DER Net)	74.4	69.0	57.7
24. Unit Forced Outage Rate	20.2	7.8	15.7
25. Forced Outage Hours	150.5	556.5	8,547.8

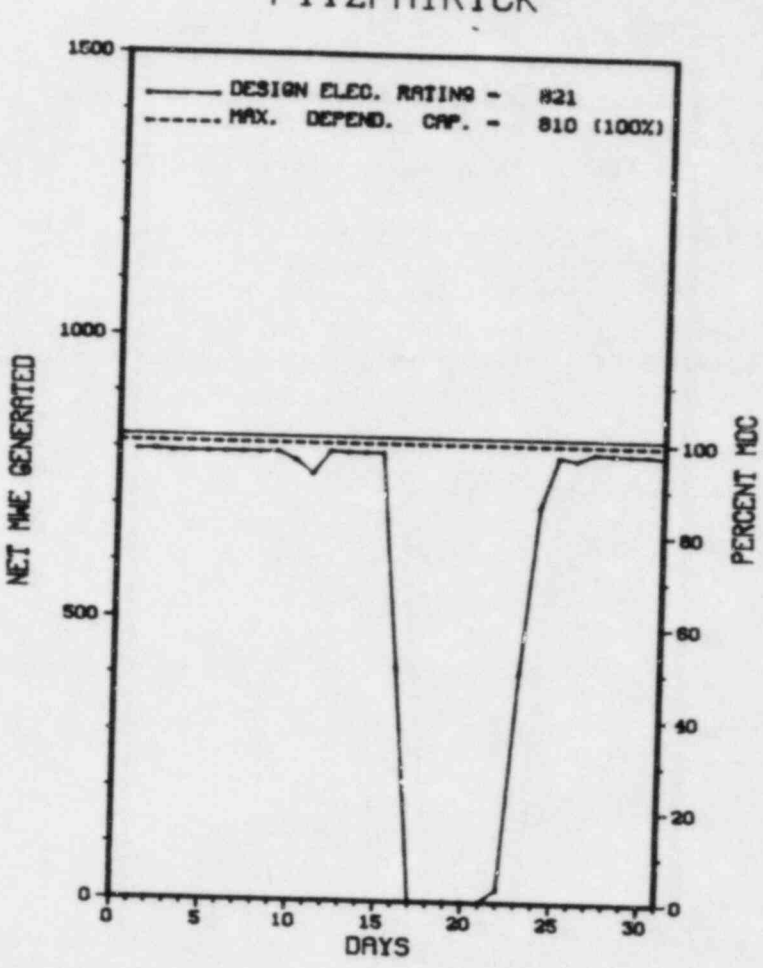
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

FITZPATRICK

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	12/16/82	F	150.5	A	3	82-057	HB	VALVEX	"D" INBOARD MSIV FAILURE DUE TO DISC SEPARATION FROM SYSTEM. VALVE REPAIRED AND RETURNED TO SERVICE.

SUMMARY

THE FITZPATRICK PLANT OPERATED AT NEAR FULL THERMAL POWER DURING THIS REPORTING PERIOD WITH ONE OUTAGE DUE TO MAIN STEAM ISOLATION VALVE 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)

****
* FITZPATRICK *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...NOVEMBER 17, 1974

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

DATE COMMERCIAL OPERATE....JULY 28, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. LINVILLE

LICENSING PROJ MANAGER.....J. HEGNER
DOCKET NUMBER.....50-333

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8 AND SURVEILLANCE TEST PROCEDURE F-ST-24D THE LOW CONDENSATE STORAGE TANK LEVEL WAS SIMULATED BY LIFTING LEADS TO DE-ENERGIZE THE RELAYS CONTROLLED BY LEVEL SWITCHES 13-LS-76A & 13-LS-77B RATHER THAN AT THE LEVEL SWITCHES. (8222 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-285 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: T. P. MATTHEWS (402) 536-4733
4. Licensed Thermal Power (MWt): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.85 = 502
6. Design Electrical Rating (Net MWe): 478
7. Maximum Dependable Capacity (Gross MWe): 501
8. Maximum Dependable Capacity (Net MWe): 478
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	81,241.0
13. Hours Reactor Critical	70.0	7,871.5	64,110.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	70.0	7,857.5	62,947.6
16. Unit Reserve Shutdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	81,786	10,914,719	77,616,548
18. Gross Elec Ener (MWH)	28,014	3,661,388	25,735,334
19. Net Elec Ener (MWH)	26,433	3,482,164	24,330,028
20. Unit Service Factor	9.4	89.7	77.5
21. Unit Avail Factor	9.4	89.7	77.5
22. Unit Cap Factor (MDC Net)	7.4	83.2	65.0*
23. Unit Cap Factor (DER Net)	7.4	83.2	62.7
24. Unit Forced Outage Rate	49.3	3.6	3.9
25. Forced Outage Hours	68.0	296.5	1,347.9

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

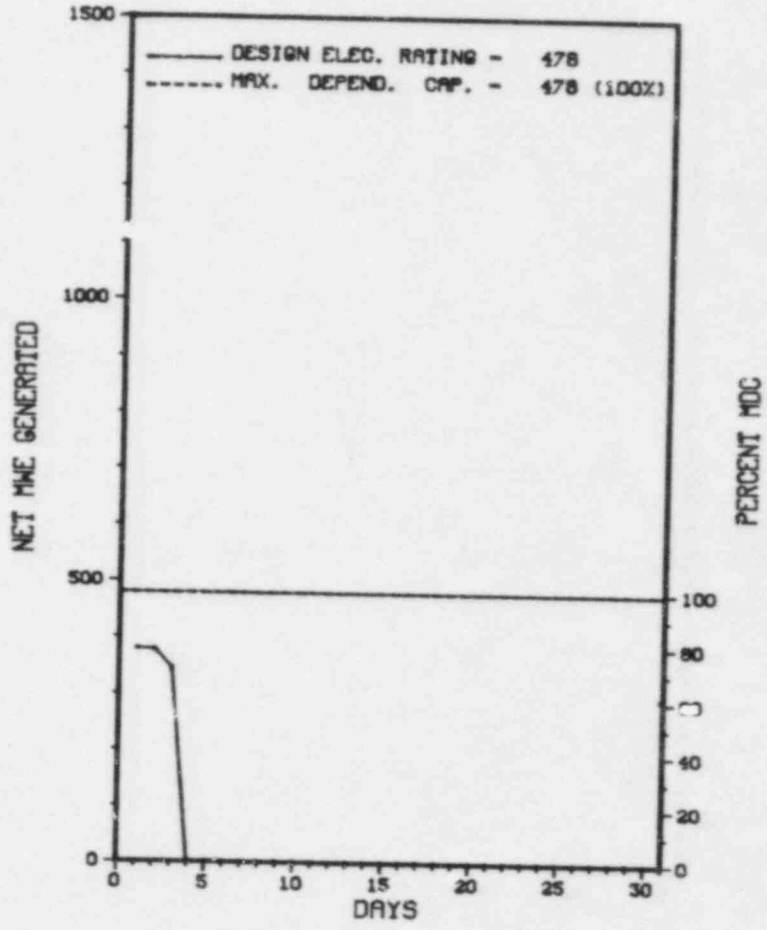
NONE

27. If Currently Shutdown Estimated Startup Date: 03/20/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

FORT CALHOUN 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-05	12/03/82	F	68.0	A	3		HA	TURBIN	THE REACTOR TRIPPED ON DECEMBER 3, 1982 BECAUSE OF HIGH TURBINE VIBRATION. AFTER INVESTIGATION, IT WAS DETERMINED THAT THE FIRST STAGE ROTOR OF THE H.P. TURBINE HAD BROKEN BLADES AND WIPED BEARINGS.
82-06	12/06/82	S	606.0	C	9		XX	XXXXXX	SUBSEQUENTLY, IT WAS DECIDED AS OF DECEMBER 6, 1982 TO COMMENCE THE 1983 REFUELING OUTAGE APPROXIMATELY ONE MONTH EARLY.

SUMMARY

FORT CALHOUN SHUTDOWN FOR EQUIPMENT FAILURE AND SUBSEQUENTLY FOR REFUELING ON DECEMBER 3RD.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....WASHINGTON

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1973

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

DATE COMMERCIAL OPERATE....JUNE 20, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....OMAHA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

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

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....L. YANDELL

LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-285

LICENSE & DATE ISSUANCE....DPR-40, AUGUST 9, 1973

PUBLIC DOCUMENT ROOM.....W. DALE CLARK LIBRARY
215 S. 15TH STREET
OMAHA, NEBRASKA 68102

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED SEPTEMBER 13-16, 1982 (82-23): ROUTINE, ANNOUNCED INSPECTION OF THE LICENSEE'S PERFORMANCE AND CAPABILITIES DURING A FULL SCALE EXERCISE OF THE EMERGENCY PLANS AND PROCEDURES INVOLVED APPROXIMATEY 300 INSPECTION HOURS. THIS INCLUDED REVIEW OF THE APPROPRIATE LICENSEE DOCUMENTS; OBSERVATION OF THE ACTUAL PERFORMANCE OF THE LICENSEE DURING THE EXERCISE; OBSERVATION OF THE LICENSEE'S INTERNAL SELF-CRITIQUE; AND THE CONDUCT OF MEETINGS AND BRIEFINGS WITH THE LICENSEE, THE FEDERAL EMERGENCY MANAGEMENT AGENCY, STATE, AND LOCAL AGENCIES. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOVEMBER 1-30, 1982 (82-28): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE TESTING, AND MAINTENANCE. WITHIN THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOVEMBER 15-19, 1982 (82-29): ROUTINE, UNANNOUNCED INSPECTION OF QA AND PROCUREMENT PROGRAMS AND PREVIOUSLY IDENTIFIED OPEN AND UNRESOLVED ITEMS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NONE

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1982

INSPECTION REPORT NO: 50-285/82-28

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-267 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: M. MCBRIDE (303) 785-2253

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): 231

11. Reasons for Restrictions, If Any:

RESTRICT 70% PENDING CONTRACTUAL MATTERS

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	30,721.0
13. Hours Reactor Critical	423.3	5,168.3	19,746.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	3,266.2	13,174.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	6,303	1,855,481	6,789,423
18. Gross Elec Ener (MWH)	0	635,548	2,326,904
19. Net Elec Ener (MWH)	-4,234	568,851	2,123,110
20. Unit Service Factor	.0	37.3	42.9
21. Unit Avail Factor	.0	37.3	42.9
22. Unit Cap Factor (MDC Net)	.0	19.7	20.9
23. Unit Cap Factor (DER Net)	.0	19.7	20.9
24. Unit Forced Outage Rate	100.0	44.3	36.9
25. Forced Outage Hours	744.0	2,602.0	7,712.9

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

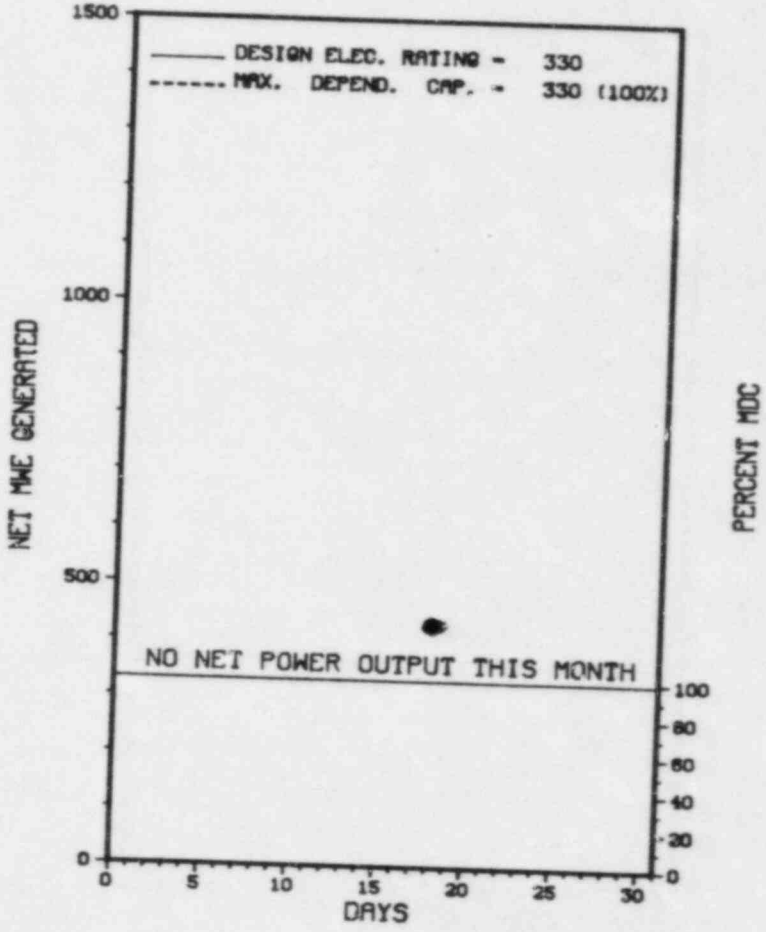
NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

FORT ST VRAIN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-014	09/30/82	F	744.0	H	4		IB	INSTRU	LOOP 1 SHUTDOWN FOLLOWED BY REACTOR SCRAM AND TURBINE-GENERATOR TRIP ON 820930. OUTAGE CONTINUED DUE TO PRIMARY COOLANT CHEMISTRY IMPURITIES AND REPAIR OF STEAM GENERATOR.

SUMMARY

FORT ST. VRAIN REMAINED SHUTDOWN IN A CONTINUING REFUELING OUTAGE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO

COUNTY.....WELD

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

TYPE OF REACTOR.....HTGR

DATE INITIAL CRITICALITY...JANUARY 31, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1979

CONDENSER COOLING METHOD...CLOSED HELIUM

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.....M. DICKERSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 1-31, 1982 (82-24): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION; SURVEILLANCE; MAINTENANCE; FOLLOW UP OF PREVIOUS INSPECTION FINDINGS; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE FIVE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOVEMBER 15-18, 1982 (82-25): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, TRAINING, AND OPERATOR REQUALIFICATION. WITHIN THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOVEMBER 1-30, 1982 (82-27): ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION; SURVEILLANCE; MAINTENANCE; FOLLOW UP OF PREVIOUS INSPECTION FINDINGS; REVIEW OF PLANT OPERATIONS; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE SIX AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 7.4.A.3 AND LICENSEE PROCEDURES Q-11 AND Q-17, THERE WAS NO DOCUMENTATION OF FUNCTIONAL TESTING OF THE SAFETY-RELATED DESIGN CHANGE PERFORMED IN CN#653. (8219 4)

ENFORCEMENT SUMMARY

CONTRARY TO PROCEDURE SOP 62 REQUIREMENTS, THE LICENSEE DID NOT RECORD VISUAL VERIFICATION OF FLOW THROUGH THE SIGHT INDICATOR TO RT-6212 AND 6213.
(8223 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

AREAS RELATED TO POTENTIAL EQUIPMENT MODIFICATIONS WHICH ARE UNDER REVIEW AND DISCUSSIONS WITH THE NRC INCLUDE: HANGERS FOR TWO INCH AND SMALLER PIPES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT 70% POWER

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1982

INSPECTION REPORT NO: 50-267/82-27

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-244 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: A.E. MCNAMARA (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

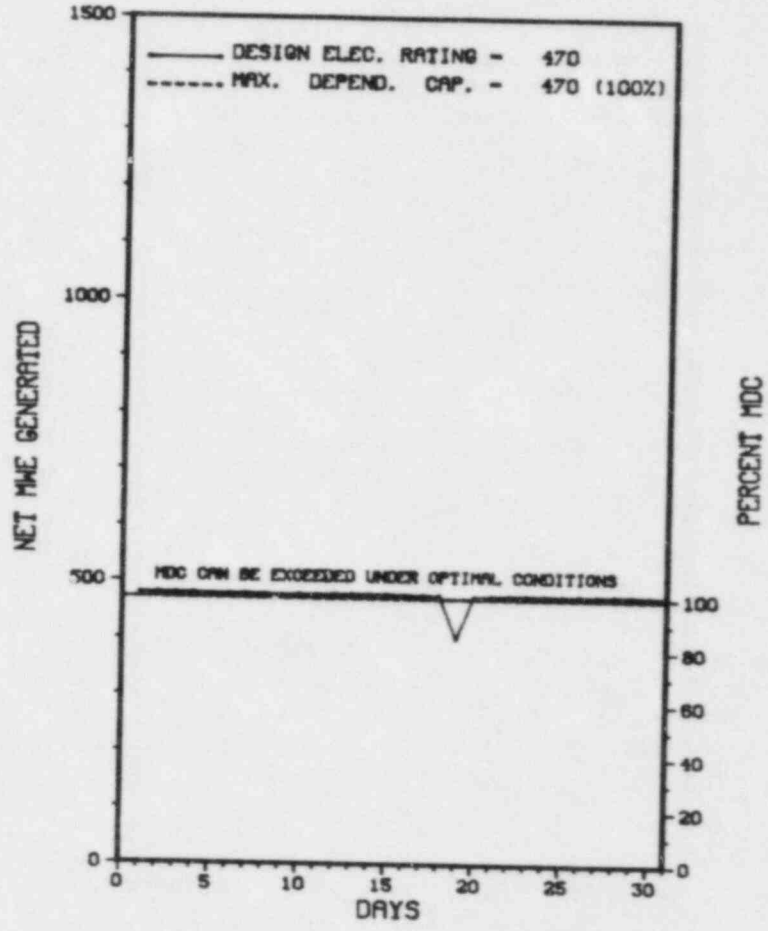
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	114,816.0
13. Hours Reactor Critical	744.0	5,243.4	86,885.6
14. Rx Reserve Shtdwn Hrs	.0	.0	1,631.5
15. Hrs Generator On-Line	744.0	5,152.4	84,980.0
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	1,121,448	7,677,000	116,582,554
18. Gross Elec Ener (MWH)	370,410	2,531,832	37,966,797
19. Net Elec Ener (MWH)	352,525	2,407,987	35,986,060
20. Unit Service Factor	100.0	58.8	74.0
21. Unit Avail Factor	100.0	58.8	74.0
22. Unit Cap Factor (MDC Net)	100.8	58.5	68.6*
23. Unit Cap Factor (DER Net)	100.8	58.5	68.6*
24. Unit Forced Outage Rate	.0	6.3	8.3
25. Forced Outage Hours	.0	346.8	3,755.0

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
MID-MARCH-1983 - REFUELING & MAINTENANCE
27. If Currently Shutdown Estimated Startup Date: N/A

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* GINNA *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	12/19/82	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION TO APPROXIMATELY 47% REACTOR POWER LEVEL TO PERFORM A SERIES OF MONTHLY TURBINE VALVE AND TRIP TESTS.

****
* SUMMARY *
****

GINNA OPERATED AT FULL POWER WITH 1 REDUCTION AND NO OUTAGES DURING DECEMBER.

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)

****
* 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....JUNE 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.....R. ZIMMERMAN

LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-244

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 20.203(C)(3), THE LICENSE, AS OF 9/28/82, HAD NOT ESTABLISHED METHODS WHEREBY NO INDIVIDUAL COULD BE PREVENTED FROM LEAVING A HIGH RADIATION AREA. HIGH RADIATION AREAS AFFECTED INCLUDED THE DRUMMING STORAGE AREA, THE SEAL INJECTION FILTER AREA & THE REGENERATIVE HEAD EXCHANGER AREA. THE AREAS WERE SECURED BY A BARREL BOLT & PADLOCK ARRANGEMENT, WHEREBY AN INDIVIDUAL COULD BE PREVENTED AGRESS SHOULD THE GATE BE LOCKED WHILE THE INDIVIDUAL WAS INSIDE THE HIGH RADIATION AREA. (8219 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-213 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DON ANDERSON (203) 267-2556 X274
4. Licensed Thermal Power (MWt): 1825
5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600
6. Design Electrical Rating (Net MWe): 582
7. Maximum Dependable Capacity (Gross MWe): 596
8. Maximum Dependable Capacity (Net MWe): 569
9. If Changes Occur Above Since Last Report, Give Reasons:

*

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	131,496.0
13. Hours Reactor Critical	744.0	8,700.9	114,252.4
14. Rx Reserve Shtdwn Hrs	.0	8.0	1,200.5
15. Hrs Generator On-Line	744.0	8,186.0	109,089.0
16. Unit Reserve Shtdwn Hrs	.0	.0	373.7
17. Gross Therm Ener (MWH)	1,355,642	14,516,234	189,165,490
18. Gross Elec Ener (MWH)	447,147	4,765,002	62,138,479
19. Net Elec Ener (MWH)	427,015	4,538,360	59,118,812
20. Unit Service Factor	100.0	93.4	83.0
21. Unit Avail Factor	100.0	93.4	83.2
22. Unit Cap Factor (MDC Net)	100.9	93.1	82.8*
23. Unit Cap Factor (DER Net)	98.6	89.0	76.6*
24. Unit Forced Outage Rate	.0	6.1	6.5
25. Forced Outage Hours	.0	534.8	1,131.0

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

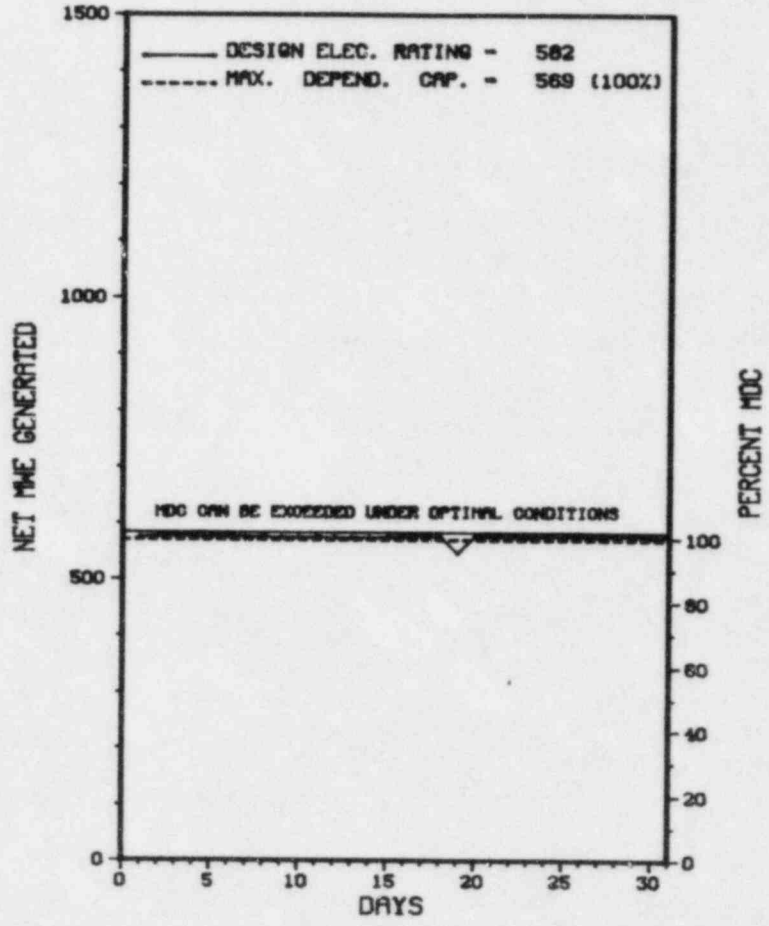
REFUELING ESTIMATED FOR 1/22/83 - 7 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-15	12/12/82	S	0.0	B	5		HA	VALVEX	LOAD REDUCTION FOR MONTHLY TURBINE STOP VALVE TEST.

****
* SUMMARY *
****

HADDAM NECK (CONNECTICUT YANKEE) OPERATED AT FULL POWER WITH 1 REDUCTION AND NO OUTAGES DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

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. REBELOWSKI

LICENSING PROJ MANAGER.....P. ERICKSON
DOCKET NUMBER.....50-213

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: STEVE SEWELL (912) 367-7781 X203

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 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	8,760.0	61,368.0
13. Hours Reactor Critical	.0	4,541.6	42,933.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	4,315.9	40,150.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	9,416,102	84,193,554
18. Gross Elec Ener (MWH)	0	3,045,790	27,269,520
19. Net Elec Ener (MWH)	-3,657	2,877,575	25,886,344
20. Unit Service Factor	.0	49.3	65.4
21. Unit Avail Factor	.0	49.3	65.4
22. Unit Cap Factor (MDC Net)	.0	43.3	55.2
23. Unit Cap Factor (DER Net)	.0	42.3	54.3
24. Unit Forced Outage Rate	.0	26.1	17.4
25. Forced Outage Hours	.0	1,520.6	8,234.6

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

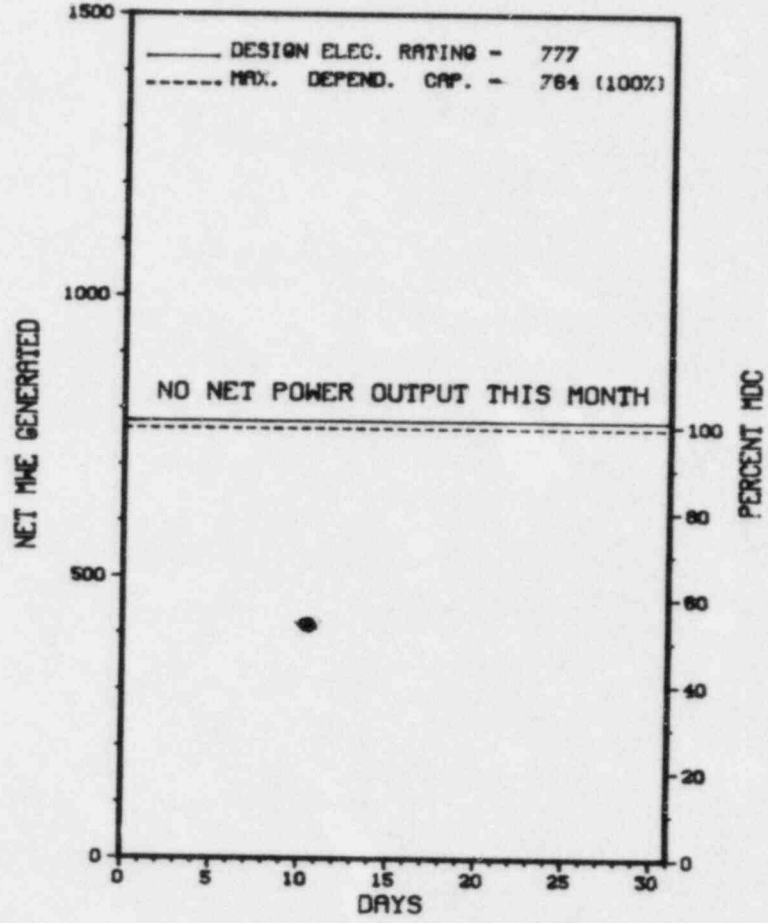
NONE

27. If Currently Shutdown Estimated Startup Date: 01/15/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-66	10/08/82	S	744.0	C	4		RC	FUELXX	NORMAL REACTOR SHUTDOWN FOR REFUELING OUTAGE.

****
* SUMMARY *
****

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

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974

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

DATE COMMERCIAL OPERATE....DECEMBER 31, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 30 - DECEMBER 6 (82-36): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING MANAGEMENT AND ADMINISTRATIVE CONTROLS; REVIEW OF ANNUAL ENVIRONMENTAL MONITORING REPORT FOR THE PERIOD ENDING DECEMBER 31, 1981, STATUS OF ENVIRONMENTAL MONITORING DEFINED IN ETS-3.2; REVIEW OF PREVIOUS INSPECTION FINDINGS; REVIEW OF LABORATORY INTERCOMPARISON AND CROSS-CHECK PROGRAMS; COLLECTION OF GROUND WATER SAMPLES (LER 50-321/79-21 FOLLOWUP); VERIFICATION OF COLOCATED TLDS DEPLOYED AS PER NRC DIRECT RADIATION NETWORK PROGRAM. OF THE SEVEN AREAS INSPECTED ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO CONDUCT ANNUAL AUDIT OF RADIOANALYTICAL PROGRAM); ONE APPARENT DEVIATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT CORRECTIVE ACTION COMMITMENT).

INSPECTION ON NOVEMBER 16-19 (82-37): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) AND IE BULLETIN 82-03. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 16-19 (82-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREA OF LOCAL LEAK RATE TESTING. OF THE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND (INADEQUATE LOCAL LEAK RATE TEST PROCEDURE).

INSPECTION OCTOBER 28 - NOVEMBER 20 (82-39): THIS INSPECTION INVOLVED 54 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

INSPECTION SUMMARY

INSPECTION NOVEMBER 15-19 (82-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF A POTENTIAL OVEREXPOSURE, PERSONNEL QUALIFICATIONS, POSTING, LABELING AND CONTROL OF LICENSED MATERIAL, AND LICENSEE ACTIONS ON PREVIOUS INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO FOLLOW HPCI SURVEILLANCE PROCEDURE. HPCI PUMP DISCHARGE VALVE WAS CYCLED AT POWER RATHER THAN IN COLD SHUTDOWN CONDITIONS. FAILURE OF LICENSEE PERSONNEL TO PROPERLY FRISK WHEN ENTERING THE CONTROL ROOM. INSPECTOR FOUND FRISKER TURNED OFF AND UNPLUGGED. FAILURE TO NOTIFY NRC WITHIN 1 HOUR AS REQUIRED BY 50.72 ON INOPERABLE SBGT SYSTEMS ON UNIT 1 AND ECCS ACTUATIONS ON UNIT 2 (TWO EXAMPLES).
(8232 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN - RESTART FEBRUARY 1983.

LAST IE SITE INSPECTION DATE: NOVEMBER 15-19, 1982 +

INSPECTION REPORT NO: 50-321/82-40 +

REPORTS FROM LICENSEE

HATCH 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
79-004/ 03X-1	12/16/79	10/14/82	STANDBY DIESEL SERVICE WATER PUMP TRIPPED DUE TO DETERIORATION OF SOME PUMP CASING BOLTS
79-104/ 03X-1	12/16/79	10/14/82	STANDBY DIESEL SERVICE WATER PUMP TRIPPED, DUE TO DETERIORATION OF SOME PUMP CASING BOLTS
82-082/ 03L-0	09/11/82	10/07/82	LPCI INVERTER TRIP CAUSED BY THE FAILURE OF AN OUTPUT FILTER CAPACITOR
82-083/ 03L-0	09/15/82	10/14/82	INSTALLATION OF A NON-"Q" PART IN CORE SPRAY DISCHARGE LINE THE CAUSE WAS INEFFECTIVE ADMINISTRATIVE PROCEDURES
82-084/ 03L-0	09/16/82	10/14/82	FAILURE OF THE "B" MSL RADIATION MONITORING INSTRUMENT-CAUSE UNKNOWN
82-088/ 03L-0	09/24/82	10/21/82	HPCI INBOARD DISCHARGE VALVE'S OPERATOR FAILED DUE TO VALVES D.C. MOTOR WINDINGS
82-091/ 03L-0	09/28/82	10/21/82	LIQUID RADWASTE MONITOR INSTRUMENT FT&C, PROCEDURE FOUND LACKING PRB REVIEW THE CAUSE IS PERSONNEL ERROR

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1. Docket: 50-366 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: STEVE SEWELL (912) 367-7781 X203
4. Licensed Thermal Power (MWt): 2436
5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850
6. Design Electrical Rating (Net MWe): 784
7. Maximum Dependable Capacity (Gross MWe): 806
8. Maximum Dependable Capacity (Net MWe): 771
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	29,137.0
13. Hours Reactor Critical	710.3	5,877.0	21,174.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	700.1	5,592.6	20,156.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,579,656	11,788,083	43,617,707
18. Gross Elec Ener (MWH)	539,370	3,924,420	14,296,930
19. Net Elec Ener (MWH)	516,210	3,728,261	13,608,786
20. Unit Service Factor	94.1	63.8	69.2
21. Unit Avail Factor	94.1	63.8	69.2
22. Unit Cap Factor (MDC Net)	90.0	55.2	60.6
23. Unit Cap Factor (DER Net)	88.5	54.3	59.6
24. Unit Forced Outage Rate	5.9	11.5	10.1
25. Forced Outage Hours	43.9	726.0	2,255.9

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

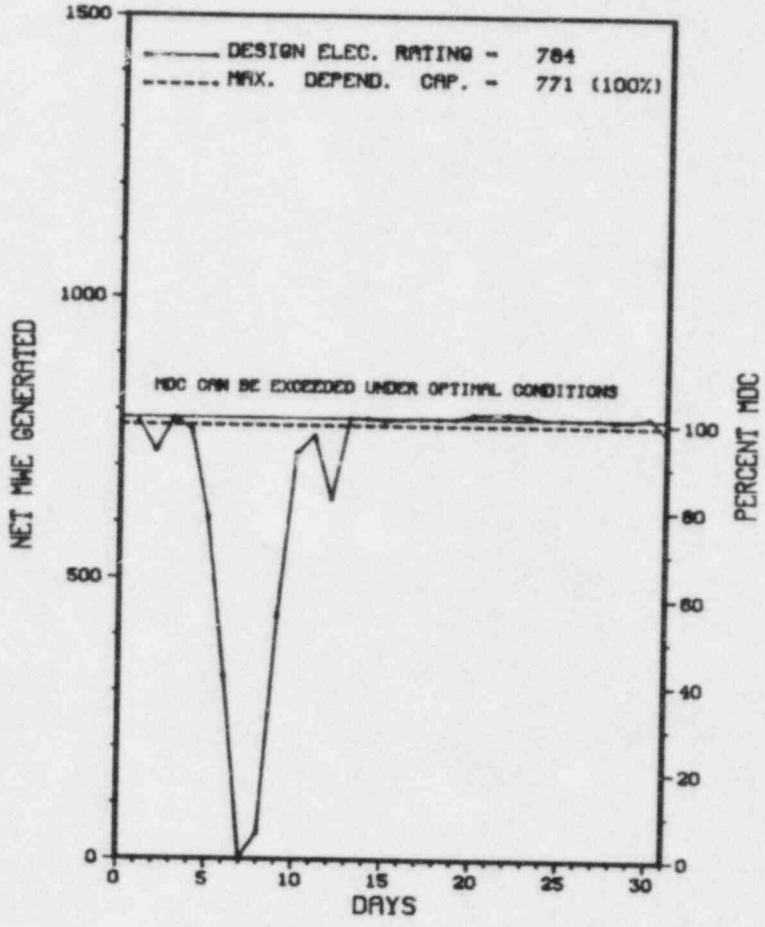
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

HATCH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-69	12/04/82	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TEST.
82-70	12/05/82	F	0.0	A	5		HB	PIPEXX	STEAM LEAKS CONTAMINATING TURBINE BLDG.
82-71	12/06/82	F	0.0	A	5		CF	VALVEX	RHR VALVE LCO.
82-72	12/06/82	F	43.9	A	3		IE	INSTRU	PROBLEM WITH RECIRC PUMP CONTROLLER, UNIT OFFLINE.
82-73	12/08/82	F	0.0	A	5		IE	INSTRU	RAMP FROM ABOVE REDUCTION.
82-74	12/09/82	F	0.0	A	5		CH	TURBIN	LOAD HOLD DUE TO RFPT LEAK.
82-75	12/12/82	S	0.0	B	5		RC	CONROD	WEEKLY TURBINE TEST & ROD PATTERN ADJUSTMENT.
82-76	12/12/82	S	0.0	B	5		RC	CONROD	RAMP FROM ABOVE REDUCTION.

SUMMARY

HATCH 2 OPERATED WITH SEVERAL REDUCTIONS AND 1 OUTAGE DURING DECEMBER.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA

COUNTY.....APPLING

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 4, 1978

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

DATE COMMERCIAL OPERATE....SEPTEMBER 5, 1979

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....ALTAMAHA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....GEORGIA POWER CO.

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....R. CRLENJAK

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

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

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BAXLEY, GEORGIA 31563

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 30 - DECEMBER 6 (82-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING MANAGEMENT AND ADMINISTRATIVE CONTROLS; REVIEW OF ANNUAL ENVIRONMENTAL MONITORING REPORT FOR THE PERIOD ENDING DECEMBER 31, 1981; STATUS OF ENVIRONMENTAL MONITORING DEFINED IN ETS-3.2; REVIEW OF PREVIOUS INSPECTION FINDINGS; REVIEW OF LABORATORY INTERCOMPARISON AND CROSS-CHECK PROGRAMS; COLLECTION OF GROUND WATER SAMPLES (LER 50-321/79-21 FOLLOWUP); VERIFICATION OF COLOCATED TLDS DEPLOYED AS PER NRC DIRECT RADIATION NETWORK PROGRAM. OF THE SEVEN AREAS INSPECTED ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO CONDUCT ANNUAL AUDIT OF RADIOANALYTICAL PROGRAM); ONE APPARENT DEVIATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT CORRECTIVE ACTION COMMITMENT).

INSPECTION ON NOVEMBER 16-19 (82-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) AND IE BULLETIN 82-03. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 16-19 (82-36): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREA OF LOCAL LEAK RATE TESTING. OF THE AREA INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 28 - NOVEMBER 20 (82-37): THIS INSPECTION INVOLVED 54 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN EIGHT OF THE AREAS. A VIOLATION WAS IDENTIFIED IN THE ONE AREA (FAILURE TO FOLLOW PROCEDURE - RHRSW VALVE POSITIONING AND LOCKING).

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

INSPECTION SUMMARY

INSPECTION NOVEMBER 15-19 (82-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF A POTENTIAL OVEREXPOSURE, PERSONNEL QUALIFICATIONS, POSTING, LABELING AND CONTROL OF LICENSED MATERIAL, AND LICENSEE ACTIONS ON PREVIOUS INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE OF LICENSEE PERSONNEL TO PROPERLY FRISK WHEN ENTERING THE CONTROL ROOM. INSPECTOR FOUND FRISKER TURNED OFF AND UNPLUGGED. FAILURE TO NOTIFY NRC WITHIN 1 HOUR AS REQUIRED BY 50.72 ON INOPERABLE SBGT SYSTEMS ON UNIT 1 AND ECCS ACTUATIONS ON UNIT 2 (TWO EXAMPLES).
(8230 5)

INADEQUATE SURVEILLANCE PROCEDURES. LOGIC TESTS ON HPCI, RCIC, ADS, RPS, SBGT, CS, PCIS AND CONTAINMENT PURGE AND INERTING SYSTEMS WERE FOUND NOT TO BE COMPLETE FROM SENSOR TO ACTIVATED DEVICE AS REQUIRED BY TECHNICAL SPECIFICATIONS.
(8233 4)

FAILURE TO FOLLOW PROCEDURE. VALVE LINEUP FOR RHR SERVICE WATER STRAINER VALVES 2E11-F116B AND 2E11-F117B WAS IMPROPER IN THAT BOTH VALVES SHOULD HAVE BEEN LOCKED SHUT BUT F116B WAS UNLOCKED AND F117B WAS OPEN.
(8237 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: NOVEMBER 15-19, 1982 +

INSPECTION REPORT NO: 50-366/82-38 +

REPORTS FROM LICENSEE

HATCH 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-096/ 03L-0	09/20/82	10/19/82	TORUS WATER TEMPERATURE EXCEEDED LIMIT OF TECHNICAL SPECIFICATIONS
82-099/ 03L-0	10/28/82	11/16/82	THE RCIC TURBINE EXHAUST INSTRUMENT CHANNEL "B" WAS DECLARED INOPERABLE DUE TO PERIODIC STRESS FROM MONTHLY TESTING.
82-103/ 03L-0	08/16/82	09/09/82	FAILURE OF THE "A" RHRSW HEAT EXCHANGER FLOW CONTROL VALVE, DEFECTIVE RELAY IN VALVE'S POSITION MODULATOR
82-104/ 03L-0	09/24/82	10/21/82	RHR PUMP WOULD NOT START WITH THE CONTROL SWITCH, DUE TO BROKEN RELAY SNAP RING
82-105/ 03L-0	09/18/81	10/14/82	ROD BLOCK MONITOR "B" WAS DETERMINED TO BE INOPERABLE DUE TO A BLOWN POWER FUSE, FUSE WAS REPLACED
82-106/ 03L-0	09/22/82	10/19/82	THE RCIC SYSTEM SUPPLY VALVE'S POSITION INDICATOR LIGHTS WERE FOUND EXTINGUISHED, DUE TO THE VALVE'S BREAKER IN THE OFF POSITION
82-112/ 01T-0	10/09/82	10/21/82	PLANT PROCEDURES DID NOT ADEQUATELY TEST THE AUTOMATIC INITIATION LOGIC OF SEVERAL PLANT SYSTEMS, NEW PROCEDURES WERE WRITTEN
82-116/ 03L-0	10/14/82	11/09/82	DRYWELL HYDROGEN AND OXYGEN ANALYZER WAS FOUND INOPERATIVE DUE TO THE FAILURE OF THE DIAPHRAGM CAPSCREW ON THE SAMPLE PUMP'S CONNECTING ROD
82-118/ 03L-0	10/18/82	11/16/82	DUE TO PERSONNEL ERROR, AN ESCORT LED THE FACTORY REPS TO THE WRONG D/G ROOM, AND THE REPS TRIPPED THE D/G WHILE THE ESCORT WAS CHECKING FOR CLEARANCE
82-119/ 03L-0	10/18/82	11/16/82	AIR PARTICULATE MONITOR WAS DECLARED INOPERABLE DUE TO A LOOSE CONNECTION ON THE METER MOVEMENT
82-120/ 03L-0	10/22/82	11/19/82	REPAIR MADE OF A SILICONE FOAM FIRE BARRIER IN THE CABLE SPREAD ROOM WHEN IT WAS NOTED THAT AN ADJACENT BARRIER HAD BEEN BREACHED

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1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: E. EICH (914) 694-6000 @ I.P.

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 864

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

ITEM 8 - WINTER RATING

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	74,545.0
13. Hours Reactor Critical	62.5	5,836.2	48,157.6
14. Rx Reserve Shtdwn Hrs	.0	51.1	1,578.4
15. Hrs Generator On-Line	.0	5,728.3	46,839.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	15,122,101	121,436,676
18. Gross Elec Ener (MWH)	0	4,663,410	37,502,726
19. Net Elec Ener (MWH)	-7,434	4,447,401	35,732,057
20. Unit Service Factor	.0	65.4	62.8
21. Unit Avail Factor	.0	65.4	62.8
22. Unit Cap Factor (MDC Net)	.0	58.8	55.8*
23. Unit Cap Factor (DER Net)	.0	58.2	54.9
24. Unit Forced Outage Rate	.0	7.3	10.1
25. Forced Outage Hours	.0	454.1	4,994.3

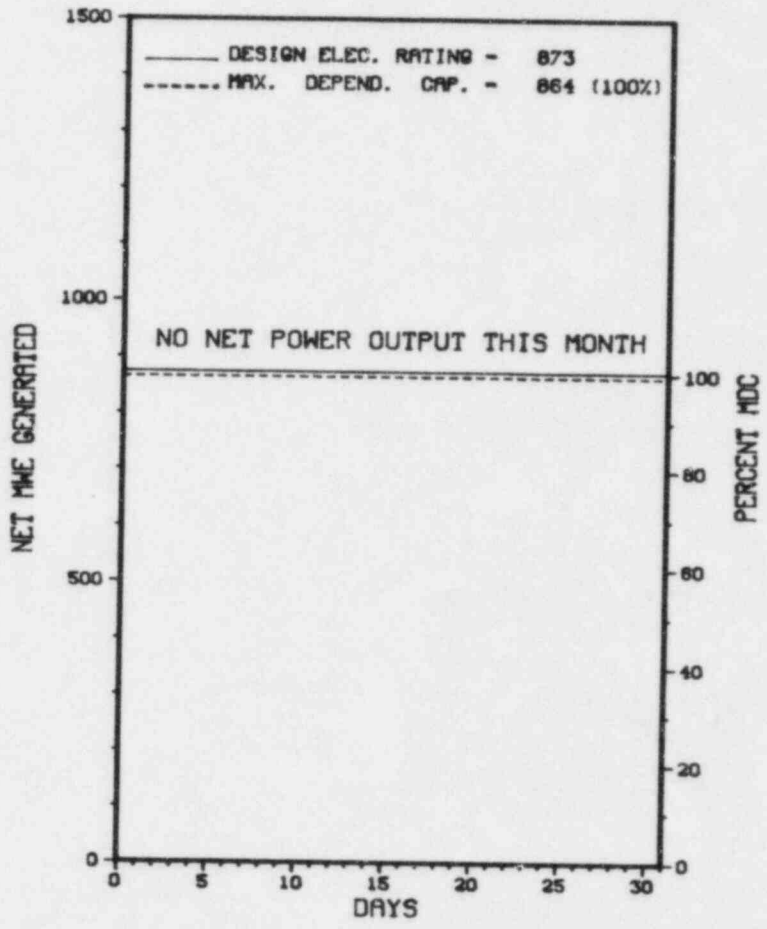
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 01/02/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/18/82	S	744.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUED FROM SEPTEMBER.

SUMMARY

INDIAN POINT 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 22, 1973

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

DATE COMMERCIAL OPERATE....AUGUST 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSOLIDATED EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. KOLTAY

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

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

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WHITE PLAINS, NEW YORK 10601

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO CONDUCT OPERATIONAL & FUNCTIONAL TEST OF SPECIAL PURPOSE DETECTORS & FAILURE TO HAVE WRITTEN PROCEDURE FOR SUCH TESTING. PERSONNEL GATE TO TANK FARM WAS NOT BEING MONITORED BY AN INTRUSION ALARM. SEVERAL SECURITY FORCE MEMBERS DID NOT HAVE THE CAPABILITY FOR CONTINUOUS COMMUNICATION WITH THE CONTROL & SECONDARY ALARM STATION. (8216 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

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

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-286 OPERATING STATUS

2. Reporting Period: 12/01/82 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): 326

8. Maximum Dependable Capacity (Net MWe): 891

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	55,561.0
13. Hours Reactor Critical	.0	1,984.6	34,090.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,969.4	32,913.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	5,060,030	84,087,592
18. Gross Elec Ener (MWH)	0	1,502,170	26,298,301
19. Net Elec Ener (MWH)	0	1,436,036	25,183,443
20. Unit Service Factor	.0	22.5	59.2
21. Unit Avail Factor	.0	22.5	59.2
22. Unit Cap Factor (MDC Net)	.0	18.4	50.9
23. Unit Cap Factor (DER Net)	.0	17.0	47.0
24. Unit Forced Outage Rate	.0	2.3	14.3
25. Forced Outage Hours	.0	45.6	5,481.3

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

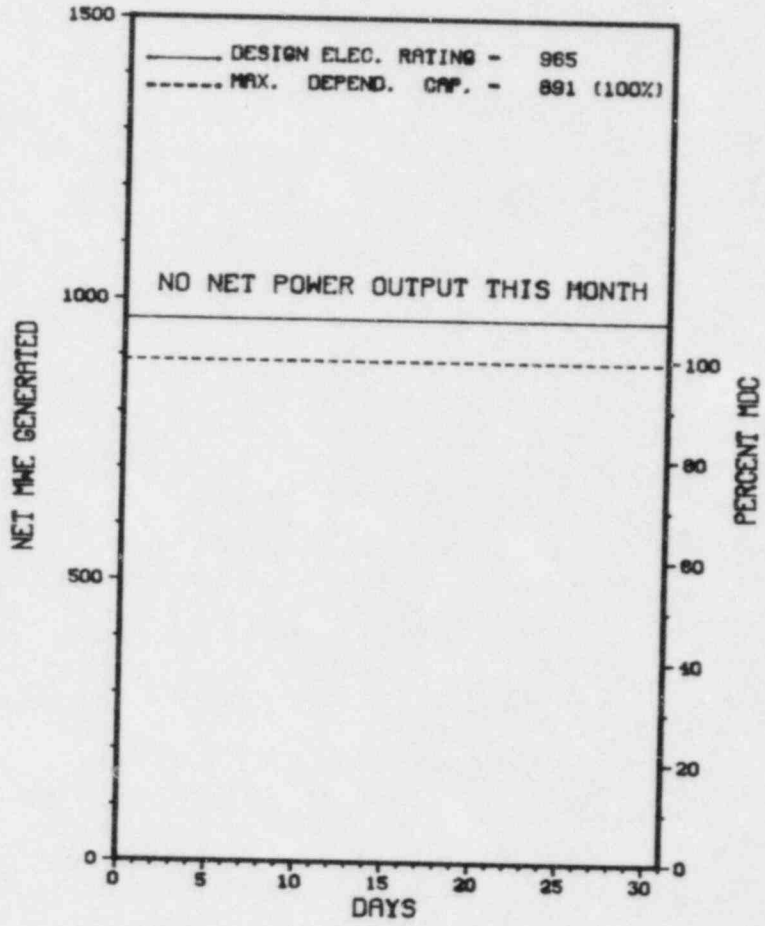
NONE

27. If Currently Shutdown Estimated Startup Date: 02/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
04	03/25/82	S	744.0	C	4		RC	FUELXX	UNIT IN A SCHEDULED CYCLE III-IV REFUELING AND MAINTENANCE OUTAGE.

SUMMARY

INDIAN POINT 3 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976

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

DATE COMMERCIAL OPERATE....AUGUST 30, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. KENNY

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

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

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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 PROV'DED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-305 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: G.RUITER (414) 388-2560 X207
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 622 X 0.9 = 560
6. Design Electrical Rating (Net MWe): 535
7. Maximum Dependable Capacity (Gross MWe): 538
8. Maximum Dependable Capacity (Net MWe): 511
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

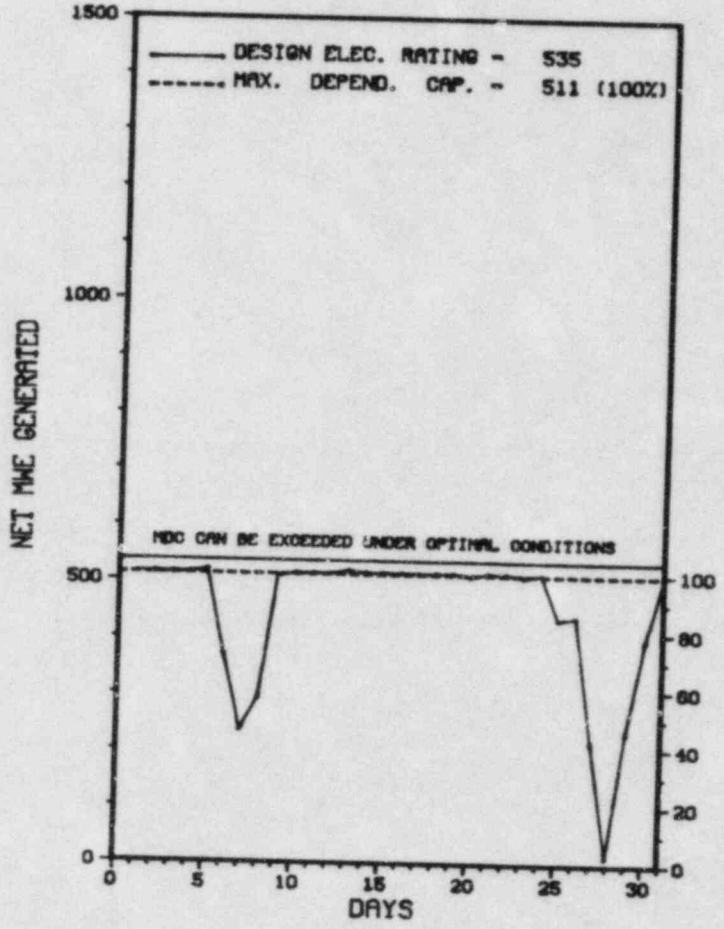
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	74,905.0
13. Hours Reactor Critical	733.3	7,749.8	63,751.8
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	710.3	7,669.7	62,476.7
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MWH)	1,077,471	12,293,067	97,100,001
18. Gross Elec Ener (MWH)	350,800	4,015,200	31,967,600
19. Net Elec Ener (MWH)	334,042	3,824,851	30,425,108
20. Unit Service Factor	95.5	87.6	83.4
21. Unit Avail Factor	95.5	87.6	83.4
22. Unit Cap Factor (MDC Net)	87.9	84.9	77.8*
23. Unit Cap Factor (DER Net)	83.9	81.6	75.9
24. Unit Forced Outage Rate	4.5	.5	4.3
25. Forced Outage Hours	33.7	40.3	2,695.9

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING - 03/20/83 - 8 WEEKS
27. If Currently Shutdown Estimated Startup Date: N/A

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

KEWAUNEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	12/06/82	S	0.0	B	5		CH	MECFUN	A LOAD REDUCTION TO 50% POWER WAS TAKEN FOR REPAIR OF FEEDWATER PUMP 1A SPEED INCREASER COUPLINGS.
8	12/27/82	F	33.7	A	2		HJ	PIPEXX	THE REACTOR AND TURBINE WERE MANUALLY TRIPPED DUE TO A STEAM LEAK IN A LINE BETWEEN A MOSITURE SEPARATOR AND THE HEATER DRAIN TANK.
9	12/30/82	F	0.0	A	5		HJ	PIPEXX	A LOAD REDUCTION TO 52% POWER WAS TAKEN FOR REPAIR OF A LEAK IN A 4-INCH STEAM LINE AT FEEDWATER HEATER 15B.

SUMMARY

KEWAUNEE OPERATED ROUTINELY WITH 2 REDUCTIONS AND 1 OUTAGE DURING DECEMBER.

Type
F-Forced
S-Sched

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

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

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

****
* KEWAUNEE *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....KEWAUNEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...27 MI E OF
GREEN BAY, WI.

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1974

DATE ELEC ENER 1ST GENER...APRIL 8, 1974

DATE COMMERCIAL OPERATE....JUNE 16, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN PUBLIC SERVICE

CORPORATE ADDRESS.....P.O. BOX 1200
GREEN BAY, WISCONSIN 54305

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. NELSON

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

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

PUBLIC DOCUMENT ROOM.....KEWAUNEE PUBLIC LIBRARY
822 JUNEAU STREET
KEWAUNEE, WISCONSIN 54216

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 1 THROUGH OCTOBER 21, (82-18): ROUTINE RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORT FOLLOWUP; IE BULLETIN FOLLOWUP; INDEPENDENT INSPECTION; REGIONAL REQUESTS; AND ORGANIZATION AND ADMINISTRATION. THE INSPECTION INVOLVED A TOTAL OF 173 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 34 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE INVOLVED IN EIGHT AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO PERFORM REQUIRED SURVEILLANCE).

INSPECTION ON OCTOBER 18-22, NOVEMBER 30 AND DECEMBER 1, (82-20): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION ACTIVITIES INCLUDING: EFFLUENT CONTROL INSTRUMENTATION, TESTING OF AIR CLEANING SYSTEMS, REACTOR COOLANT WATER QUALITY, LICENSEE AUDITS, RADIATION PROTECTION PROCEDURES, RADIOLOGICAL QUALIFICATION AND TRAINING, EXPOSURE CONTROL, IN PLANT RADIATION PROTECTION PROGRAM, AND ALARA. THE INSPECTORS ALSO REVIEWED LICENSEE ACTIONS IN RESPONSE TO PREVIOUS INSPECTION FINDINGS, STATUS OF POST-TMI ACTION ITEMS AND THE PERFORMANCE APPRAISAL TEAMS' FINDINGS. THE INSPECTION INVOLVED 106 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED CONCERNING CONTAINER LABELING.

INSPECTION ON NOVEMBER 10-12, (82-22): FOLLOWUP ON THREE PREVIOUS INSPECTION FINDINGS; REVIEW OF NON-LICENSED PERSONNEL TRAINING AND LICENSED PERSONNEL REQUALIFICATION PROGRAMS. THE INSPECTION INVOLVED A TOTAL OF 40 ONSITE INSPECTOR-HOURS BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.1.A STATES, "CALIBRATION, TESTING, AND CHECKING OF PROTECTIVE INSTRUMENTATION CHANNELS AND TESTING OF LOGIC CHANNELS SHALL BE PERFORMED AS SPECIFIED IN TABLE 4.1-1." TECHNICAL SPECIFICATION TABLE 4.1-1, ITEM 19, REQUIRES A MONTHLY TEST OF ALL RADIATION MONITORING SYSTEM CHANNELS. TECHNICAL SPECIFICATION 4.1.C STATES, IN PART, "SPECIFIED TIME INTERVALS MAY BE ADJUSTED PLUS OR MINUS 25% TO ACCOMODATE NORMAL TEST PROCEDURES." CONTRARY TO THE ABOVE, THE MONTHLY SURVEILLANCE TEST FOR RADIATION MONITORING CHANNELS R-11 AND 12 WAS PERFORMED ON SEPTEMBER 2, 1982, AND SUBSEQUENTLY PERFORMED ON OCTOBER 23, 1982. THIS TIME INTERVAL EXCEEDS THE REQUIREMENTS OF YOUR TECHNICAL SPECIFICATIONS 4.1.A AND 4.1.C.
(8218 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING AT 100 PERCENT POWER.

LAST IE SITE INSPECTION DATE: DECEMBER 13 AND 14, 1982

INSPECTION REPORT NO: 82-24

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-34/ 03L-0	11/11/82	12/10/82	XING SURV. TEST ON AFW SYSTEM, VALVE MS-100A MAIN STEAM TO TURBINE DRIVEN AFW PUMP TORQUED UT WHEN CLOSING. TAKEN OUT OF SERVICE FOR MAINTENANCE.

1. Docket: 50-409 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: G. R. GADOW (608) 689-2331

4. Licensed Thermal Power (MWt): 165

5. Nameplate Rating (Gross MWe): 76.8 X 0.85 = 65

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	115,419.0
13. Hours Reactor Critical	736.5	4,101.5	75,232.8
14. Rx Reserve Shtdwn Hrs	.0	.0	478.0
15. Hrs Generator On-Line	715.0	3,911.2	69,603.7
16. Unit Reserve Shtdwn Hrs	.0	.0	79.0
17. Gross Therm Ener (MWH)	107,331	526,754	9,522,538
18. Gross Elec Ener (MWH)	31,340	150,330	2,840,188
19. Net Elec Ener (MWH)	29,528	137,976	2,625,968
20. Unit Service Factor	96.1	44.6	60.3
21. Unit Avail Factor	96.1	44.6	60.4
22. Unit Cap Factor (MDC Net)	82.7	32.8	47.4
23. Unit Cap Factor (DER Net)	79.4	31.5	45.5
24. Unit Forced Outage Rate	2.0	15.1	7.9
25. Forced Outage Hours	14.7	695.3	4,979.5

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

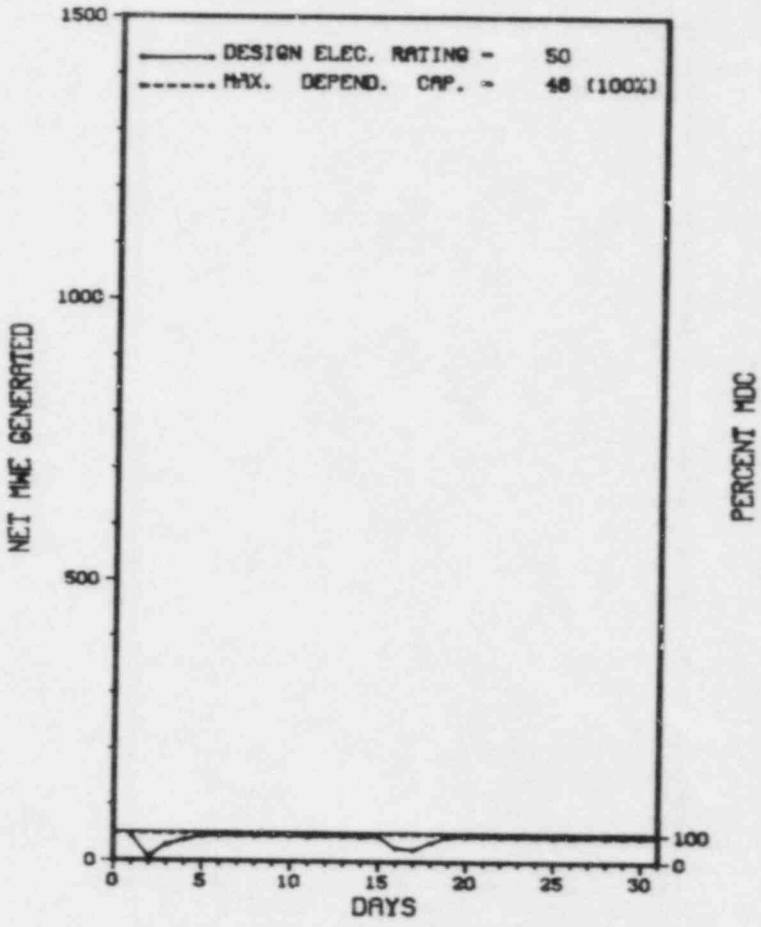
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-10	12/02/82	S	14.3	B	1		HJ	ACCUMU	POWER TO REACTOR CRITICAL AND MAIN STEAM SYSTEM ISOLATED TO FACILITATE REPAIR OF STEAM LEAK ON MANWAY FOR WATER STORAGE TANK.
82-11	12/16/82	F	14.7	A	3		CD	INSTRU	THE SCRAM WAS THE RESULT OF A BURN-OUT OF A RESISTOR IN POWER SUPPLY, WHICH SUPPLIES INSTRUMENTATION. THE REACTOR BUILDING STEAM ISOLATION VALVE CLOSED ON AN INDICATED LOW STEAM PRESSURE SIGNAL.

****
* SUMMARY *
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LACROSSE OPERATED NORMALLY WITH 1 OUTAGE AND 1 REDUCTION DURING DECEMBER.

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

****
* LA CROSSE *
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FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967

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

DATE COMMERCIAL OPERATE....NOVEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER

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

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

NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS

CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....M. BRANCH

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

MANAGEMENT MEETING ON NOVEMBER 9, (82-19): THE LICENSEE'S REGULATORY IMPROVEMENT PROGRAM WAS DISCUSSED. THE MEETING LASTED TWO HOURS AND WAS ATTENDED BY FIVE NRC PERSONNEL.

INSPECTION ON SEPTEMBER 1 THROUGH OCTOBER 31, (82-18): FOLLOWUP ON OPEN INSPECTION ITEMS; ROUTINE RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORT FOLLOWUP; INSPECTION AND ENFORCEMENT CIRCULAR FOLLOWUP; INSPECTION AND ENFORCEMENT BULLETIN FOLLOWUP; PLANT TRIP FOLLOWUP; FIRE PROTECTION/PREVENTION ANNUAL INSPECTION; AUDIT PROGRAM ANNUAL INSPECTION; PART 21 REPORT FOLLOWUP; REGIONAL REQUEST FOLLOWUP; AND STARTUP TESTING FOLLOWING REFUELING. THE INSPECTION INVOLVED A TOTAL OF 188 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING A TOTAL OF 32 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE THIRTEEN ITEMS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN ELEVEN OF THE AREAS. TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS. (IMPROPER USE OF THE EXPLOSIVE DETECTOR; IMPROPER IMPLEMENTATION OF THE 18 MONTH SURVEILLANCE TEST SPECIFIED IN TECHNICAL SPECIFICATION).

SAFETY EVALUATION REPORT FOR NOVEMBER (82-15): ROUTINE SAFETY EVALUATION REPORT OF THE SITE EMERGENCY PLAN OF SEPTEMBER 3, 1982. THE INSPECTION INVOLVED 115 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE PLAN MEETS THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

ENFORCEMENT SUMMARY

10 CFR 50.54(S)(2) STATES, IN PART, "FOR OPERATING POWER REACTORS, THE LICENSEE, STATE, AND LOCAL EMERGENCY RESPONSE PLANS SHALL BE IMPLEMENTED BY APRIL 1, 1981,... IF AFTER APRIL 1, 1981, THE NRC FINDS THAT THE STATE OF EMERGENCY PREPAREDNESS DOES NOT PROVIDE REASONABLE ASSURANCE THAT APPROPRIATE PROTECTIVE MEASURES CAN AND WILL BE TAKEN IN THE EVENT OF A RADIOLOGICAL EMERGENCY...AND IF THE DEFICIENCIES...ARE NOT CORRECTED WITHIN FOUR MONTHS OF THAT FINDING, THE COMMISSION WILL DETERMINE WHETHER THE REACTOR SHALL BE SHUT DOWN UNTIL SUCH DEFICIENCIES ARE REMEDIED OR WHETHER OTHER ENFORCEMENT ACTION IS APPROPRIATE." 10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTORS HAVE AND FOLLOW PLANS THAT MEET THE STANDARDS IN 10 CFR 50.47(B). 10 CFR 50.47(B)(2) REQUIRES THAT THE ONSITE AND OFFSITE EMERGENCY RESPONSE PLANS FOR NUCLEAR POWER REACTORS MUST MEET THE FOLLOWING STANDARDS: "ADEQUATE STAFFING TO PROVIDE INITIAL FACILITY ACCIDENT RESPONSE IN KEY FUNCTIONAL AREAS IS MAINTAINED AT ALL TIMES AND TIMELY AUGMENTATION OF THE RESPONSE CAPABILITIES IS AVAILABLE." THESE STANDARDS ARE ADDRESSED BY SPECIFIC CRITERIA IN NUREG-0654 ENTITLED "CRITERIA FOR PREPARATION AND EVALUATION OF RADIOLOGICAL EMERGENCY RESPONSE PLANS AND PREPAREDNESS IN SUPPORT OF NUCLEAR POWER PLANTS," NOVEMBER 1980. CONTRARY TO THE ABOVE, AS OF THE DATE OF THIS INSPECTION THE LICENSEE HAD NOT PROVIDED FOR THE TIMELY AUGMENTATION OF THE RESPONSE CAPABILITIES IN THAT A PROCEDURE OR A SYSTEM FOR SHIFT AUGMENTATION IN AN EMERGENCY HAD NOT BEEN DEVELOPED OR TESTED. 10 CFR 50.54(S)(2) STATES, IN PART, "FOR OPERATING POWER REACTORS, THE LICENSEE, STATE AND LOCAL EMERGENCY RESPONSE PLANS SHALL BE IMPLEMENTED BY APRIL 1, 1981,... IF AFTER APRIL 1, 1981, THE NRC FINDS THAT THE STATE OF EMERGENCY PREPAREDNESS DOES NOT PROVIDE REASONABLE ASSURANCE THAT APPROPRIATE PROTECTIVE MEASURES CAN AND WILL BE TAKEN IN THE EVENT OF A RADIOLOGICAL EMERGENCY...AND IF THE DEFICIENCIES...ARE NOT CORRECTED WITHIN FOUR MONTHS OF THAT FINDING, THE COMMISSION WILL DETERMINE WHETHER THE REACTOR SHALL BE SHUT DOWN UNTIL SUCH DEFICIENCIES ARE REMEDIED OR WHETHER OTHER ENFORCEMENT ACTION IS APPROPRIATE." 10 CFR 50.54(Q) REQUIRES THAT NUCLEAR POWER REACTOR HAVE AND FOLLOW PLANS THAT MEET THE STANDARDS IN 10 CFR 50.47(B) AND THE REQUIREMENTS OF APPENDIX E TO 10 CFR 50. 10 CFR 50.47(B)(9) REQUIRES THAT THE ONSITE AND OFFSITE EMERGENCY RESPONSE PLANS FOR NUCLEAR POWER REACTORS MUST MEET THE FOLLOWING STANDARDS: "ADEQUATE METHODS, SYSTEMS, AND EQUIPMENT FOR ASSESSING AND MONITORING ACTUAL OR POTENTIAL OFFSITE CONSEQUENCES OR A RADIOLOGICAL EMERGENCY CONDITION ARE IN USE." 10 CFR 50, APPENDIX E, SECTION IV.E.2 REQUIRES THAT ADEQUATE PROVISIONS SHALL BE MADE AND DESCRIBED FOR EMERGENCY FACILITIES AND EQUIPMENT, INCLUDING EQUIPMENT FOR DETERMINING THE MAGNITUDE OF AND FOR CONTINUOUSLY ASSESSING THE IMPACT OF THE RELEASE OF RADIOACTIVE MATERIALS TO THE ENVIRONMENT. CONTRARY TO THE ABOVE, AS OF MAY 14, 1982, THE LICENSEE'S METEOROLOGICAL SYSTEMS AND EQUIPMENT FOR ASSESSING ACTUAL OR POTENTIAL OFFSITE CONSEQUENCES WERE INADEQUATE AND ADEQUATE PROVISIONS WERE NOT MADE AND DESCRIBED FOR METEOROLOGICAL EQUIPMENT USED FOR CONTINUOUSLY ASSESSING THE IMPACT OF THE RELEASE OF RADIOACTIVE MATERIAL TO THE ENVIRONMENT IN THAT: 1. ADEQUATE CALIBRATION, OPERABILITY CHECKS, AND MAINTENANCE PROCEDURES FOR THE ONSITE METEOROLOGICAL MEASUREMENTS PROGRAM WERE NOT AVAILABLE. 2. EPP-5, "ESTIMATE OF OFFSITE EXPOSURE," DID NOT CONTAIN PROVISIONS FOR OBTAINING AND UTILIZING BACKUP WIND SPEED AND WIND DIRECTION DATA. 3. EPP-8, "OFFSITE RADIOLOGICAL SURVEY," DID NOT CONTAIN PROVISIONS FOR CONSIDERING GROUND LEVEL INFORMATION. 4. THE LICENSEE HAD NOT PROVIDED A TECHNICAL BASIS FOR UTILIZING BACKUP DATA, AND ONE OTHER EXAMPLE. (8206 4)

TECHNICAL SPECIFICATIONS SECTION 6.8.1.A REQUIRES IMPLEMENTATION OF WRITTEN PROCEDURES RECOMMENDED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. APPENDIX A OF REGULATORY GUIDE 1.33 (REVISION 2, FEBRUARY 1978) RECOMMENDS PROCEDURES FOR SAMPLING AND MONITORING AND DISCHARGING FROM THE LIQUID RADIOACTIVE WASTE SYSTEM AND PROCEDURES TO PRESCRIBE THE NATURE AND FREQUENCY OF RADIOCHEMICAL SAMPLING AND ANALYSES. LICENSEE PROCEDURE HSP-07.6, "SCHEDULE OF WATER SAMPLES AND ANALYSIS," (ISSUE 3, JULY 14, 1980) REQUIRES MONTHLY RADIOACTIVE STRONTIUM ANALYSIS OF A COMPOSITE OF ALL WASTE WATER. CONTRARY TO THE ABOVE REQUIREMENT, STRONTIUM ANALYSES OF LIQUID WASTE COMPOSITES WERE NOT PERFORMED BETWEEN JANUARY AND JULY 1982. (8217 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES) :

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: NOVEMBER 1 THROUGH DECEMBER 31, 1982

INSPECTION REPORT NO: 82-20

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-20/ 03L-0	11/19/82	12/16/82	3 TIMES ON 11/19-20/82 VACUUM PUMP WHICH MAINTAINS ISOKINETIC FLOW RATE TO STACK ACTIVITY MONITORS TRIPPED.

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1. Docket: 50-373 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: JOHN ULLRICH (815) 357-6761 EXT. 481

4. Licensed Thermal Power (MWt): 3293

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1078

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,842.9	2,842.9
13. Hours Reactor Critical	312.9	2,235.8	2,235.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	266.2	1,858.7	1,858.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	366,497	2,093,486	2,093,486
18. Gross Elec Ener (MWH)	84,188	520,399	520,399
19. Net Elec Ener (MWH)	71,121	460,775	460,775
20. Unit Service Factor			
21. Unit Avail Factor		NOT IN	
22. Unit Cap Factor (MDC Net)		COMMERCIAL	
23. Unit Cap Factor (DER Net)		OPERATION	
24. Unit Forced Outage Rate			
25. Forced Outage Hours	477.8	984.2	984.2

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

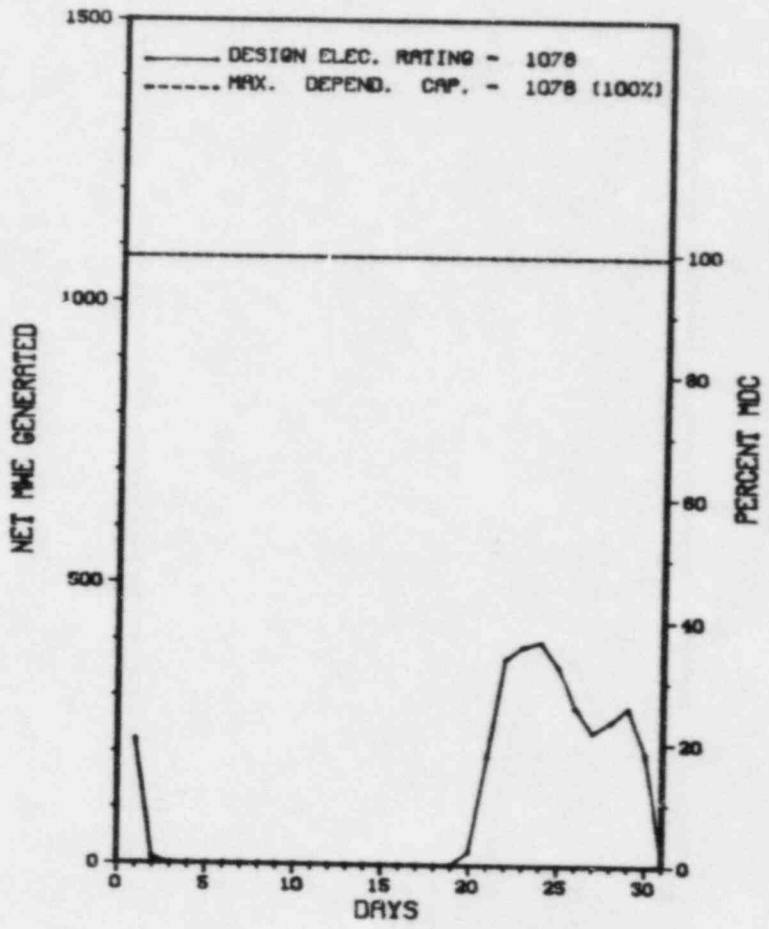
NONE

27. If Currently Shutdown Estimated Startup Date: 01/24/83

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

LASALLE 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

LASALLE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	12/01/82	F	30.3	A	3				REACTOR SCRAM ON LOW WATER DUE TO EAP ON "A" TDRFP RUNNING LOW.
9	12/02/82	F	427.0	B	3				REACTOR SCRAM DUE TO "LOSS OF OFFSITE POWER TEST," STP 31. THIS OUTAGE WAS EXTENDED BY THE "A" RR PUMP DISCHARGE VALVE STICKING CLOSED.
10	12/31/82	F	20.5	D	1				NORMAL SHUTDOWN DUE TO "UNUSUAL EVENT" DUE TO "B" RHR PUMP BEING INOP.

SUMMARY

LASALLE 1 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 DEC 1982

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

CONDENSER COOLING METHOD...POND

CONDENSER COOLING WATER....RESERVOIR

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. GULDEMOND

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON MARCH 17-19, 24-26, AND APRIL 8, (82-19): ROUTINE ANNOUNCED INSPECTION TO REVIEW LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS IDENTIFIED IN REPORTS 80-55, 82-07, 82-11, AND 82-13 CONCERNING THE FIRE PROTECTION PROGRAM. THIS INSPECTION INVOLVED 130 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS. OF THE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

MANAGEMENT MEETING HELD ON MAY 18, (82-38) TO REVIEW THE RESULT OF THE NRC'S ASSESSMENT OF LICENSE REGULATORY PERFORMANCE (SALP) COVERING THE PERIOD OF JULY 1, 1980 TO DECEMBER 31, 1981.

INSPECTION ON AUGUST 2-31, (82-41): ROUTINE, UNNANOUNCED RESIDENT INSPECTION. THE INSPECTION CONSISTED OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION. LICENSEE EVENT REPORTS FOLLOWUP. PLANT TRIPS/SAFAETY SYSTEM CHALLENGES. STARTUP TEST WITNESSING; FOLLOWUP OF IE INFORMATION NOTICES, PART 21 FOLLOWUP, IE BULLETIN FOLLOWUP. AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 229 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 50 INSPECTOR-HOURS ON OFF-SHIFTS. OF THE AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (UNSUPERVISED TRAINEE PERFORMING REACTIVITY MANIPULATIONS).

INSPECTION ON AUGUST 6-7, 19-20, AND SEPTEMBER 1, (82-42): ROUTINE ANNOUNCED INSPECTION TO WITNESS STARTUP TESTING, REVIEW OF STARTUP TEST RESULTS, COMPLETE REVIEW OF SRV SPECIAL STARTUP TEST PROCEDURE, AND COMMENT ON ADMINISTRATIVE CONTROLS FOR UNIT 2 PREOP PROGRAM. THE INSPECTION INVOLVED 42 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING SEVEN INSPECTOR HOURS DURING OFF SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

MEETINGS ON AUGUST 30 AND SEPTEMBER 13, (82-44): MEETINGS WERE HELD WITH CORPORATE OFFICERS AND STAFF OF THE COMMONWEALTH EDISON COMPANY AND REPRESENTATIVES OF SARGENT & LUNDY ENGINEERS AT THE SARGENT & LUNDY OFFICES IN CHICAGO, ILLINOIS. THE PURPOSE OF THE MEETINGS WAS TO DISCUSS THE EFFECTS OF THE VOIDS, FOUND IN THE WALL OF LASALLE COUNTY STATION, ELEVATION 710'6'', ON COLUMN LINE 16, EAST OF COLUMN LINE C, ON STRUCTURAL INTEGRITY OF THE WALL.

INSPECTION ON SEPTEMBER 22-23, (82-48): REVIEW OF SACRIFICAL SHIELD SPECIFICATION AND DRAWINGS, WELDING PROCEDURES, WELDER AND INSPECTOR QUALIFICATIONS, QA SURVEILLANCE REPORTS, RADIOGRAPHS AND ULTRASONIC REPORTS OF WELDS, VISUALLY EXAMINED WELDS OF THE SACRIFICIAL SHIELD. THE INSPECTION INVOLVED A TOTAL OF 16 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JULY 21 - OCTOBER 1, (82-51): SPECIAL INSPECTION TO FOLLOW UP ON ALLEGATIONS REGARDING MATERIAL PROCUREMENT AND QA DEFICIENCIES OF THE HVAC SYSTEMS INSTALLED BY THE ZACK COMPANY AT THE LASALLE SITE. THE INSPECTION INVOLVED A TOTAL OF 303 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS, INCLUDING 57 INSPECTOR-HOURS DURING OFFSHIFTS. TWENTY-TWO ALLEGATIONS OF VARYING SIGNIFICANCE WERE RECEIVED. THE INSPECTION WAS SUBSEQUENTLY DIVIDED INTO FOUR APEAS: TECHNICAL ISSUES AND THREE ALLEGATIONS AS THEY PERTAIN TO LASALLE; ALLEGATION/FINDINGS; ZACK PROGRAM INSPECTION; AND INVESTIGATIVE EFFORT. THIS REPORT DESCRIBES THE TECHNICAL ISSUES AND ADDRESSES THREE OF THE ALLEGATIONS, FINDINGS AND CONCLUSIONS AS THEY DEAL WITH LASALLE. THE FINDINGS AND CONCLUSIONS OF THESE THREE ALLEGATIONS AS THEY APPLY TO THE MIDLAND AND CLINTON STATIONS AND THE REMAINING THREE AREAS LISTED ABOVE WILL BE ADDRESSED IN OTHER INSPECTION/INVESTIGATION REPORTS. OF THE AREAS INSPECTED TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (FAILURE TO TAKE TIMELY CORRECTIVE ACTION TO PRECLUDE RECURRENCE, AND FAILURE TO EVALUATE NONCONFORMING MATERIAL AS ACCEPTABLE FOR USE).

INSPECTION ON DECEMBER 7-9, (82-56): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM, INCLUDING: STARTUP RADIATION SURVEYS; PROCEDURE CHANGES; ORGANIZATION CHANGES; AND A PREVIOUS UNRESOLVED ITEM CONCERNING A CONTRACTED REVIEW OF THE RAD/CHEM DEPARTMENT ORGANIZATIONAL STRUCTURE. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NO NEW SIGNIFICANT INFORMATION.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: DECEMBER 2-17, 1982

INSPECTION REPORT NO: 82-57

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
82-141/ 03L-0	11/02/82	12/01/82	DURING PERFORMANCE OF LOS-RI-Q1 THE RCIC INBOARD TESTABLE CHECK VALVE 1E51-F066 FAILED TO INDICATE CLOSED FOLLOWING A CLOSE SIGNAL FROM CONTROL ROOM.
82-142/ 03L-0	11/02/82	11/30/82	RADWASTE ISO. VALVE OWL067 DID CLOSE FULLY WHEN TRIPPED WITH A SIMULATED RADWASTE DISCHARGE HI-HI TRIP SIGNAL.
82-143/ 03L-0	11/02/82	11/29/82	LOSS OF FLOW DUE TO WATER IN SAMPLE LINE CAUSED THE OFF-GAS PRETREATMENT MONITOR TO BE DECLARED INOP.
82-144/ 03L-0	11/07/82	12/06/82	UNIT 1 DIVISION 1 BATTERY AND BATTERY CHARGER DECLARED INOP DUE TO DEFECTIVE DC OUTPUT BREAKER.
82-145/ 03L-0	11/07/82	12/06/82	THE 'B' CHLORINE AND AMMONIA DETECTOR ALARMED AND WOULD NOT RESET.
82-146/ 03L-0	11/11/82	12/10/82	DIVISION 2, 1D18-N009C MONITOR WAS DRIFTING HIGH.
82-147/ 03L-0	11/11/82	12/10/82	THE OFF GAS 'B' TRAIN HYDROGEN ANALYZER BEGAN OPRATING ERRATICALLY. THE 'A' TRAIN HYDROGEN ANALYZER WAS ALSO INOP. RAD/CHEM NOTIFIED TO TAKE GRAB SAMPLES EVERY 4 HOURS.
82-148/ 03L-0	11/12/82	12/10/82	DIV 2 POST LOCA OXYGEN CHANNEL INDICATION DRIFTED DOWN TO 4%, AND DECLARED INOP.
82-149/ 03L-0	11/12/82	12/10/82	FLOW RECORDER FOUND GIVING INCORRECT READINGS. FLOW ESTIMATES TAKEN EVERY 4 HOURS WHILE DISCHARGING PER T.S.
82-150/ 03L-0	11/11/82	12/10/82	DURING PERFORMANCE OF STP-14, THE RCIC FLOW CONTROLLER FAILED TO CONTROL RCIC SYSTEM FLOW.
82-151/ 03L-0	11/11/82	12/15/82	THE 'B' EMERG. MAKEUP CONTROL ROOM VENTILATION FAN FAILED TO START DURING PERFORMANCE OF LOC-VC-M1. THE 'A' FAN WAS STARTED PER T.S.
82-152/ 03L-0	11/15/82	12/13/82	DURING PERFORMANCE OF LIS-RI-01, DPIS 1E31-N007A SETPOINT FOUND OUT OF TOLERANCE IN NON-CONSERVATIVE DIRECTION PER T.S.

REPORTS FROM LICENSEE - (CONTINUED)

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

82-153/ 03L-0	11/18/82	12/15/82	LEAK FOUND ON RWCU 'B' REGENERATIVE HEAT EXCHANGER SHELL SIDE RELIEF LINE TO HEAT EXCHANGER SOCKET WELD JUNCTION.
82-155/ 03L-0	11/18/82	12/03/82	BOTH DOORS INTO UNIT 1 REACTOR BUILDING ON ELEVATION 761 FT. OPENED AT SAME TIME.
82-156/ 03L-0	11/19/82	12/16/82	WHILE PERFORMING STP-23A, THE CONDENSATE POLISHERS WERE BYPASSED TO MINIMIZE TRANSIENTS ACROSS THE CP'S. AS A RESULT THE RX COOLANT CONDUCTIVITY EXCEEDED 1.0 MOCRO MHOS.
82-157/ 03L-0	11/21/82	12/20/82	THE 'OA' CONTROL ROOM HVAC AMMONIA DETECTOR FAILED, AND SYSTEM AUTO. ENTERED RECIRC. MODE OF OPERATION.
82-158/ 03L-0	11/22/82	12/20/82	WHILE CYCLING DRAIN VALVES AS PER STARTUP PROCEDURE, DRAIN VALVE 1B21-F016 WOULD NOT SEAL IN CLOSED DIRECTION, AND DECLARED INOP.
82-160/ 03L-0	11/24/82	12/21/82	LEAK FOUND ON HIGH POINT VENT LINE FOR DISCHARGE LINE FROM CONDENSATE BOOSTER PUMP '1B'. LEAKAGE CONTAINED WITHIN PUMP ROOM AND FLOOR DRAINS.
82-161/ 03L-0	11/29/82	12/27/82	DURING PERFORMANCE OF LIS-RI-03, TEMP. SWITCHES AND TEMP. DIFFERENTIAL SWITCHES FOUND OUT OF TOLERANCE IN NON-CONSERVATIVE DIRECTION.
82-166/ 03L-0	11/26/82	12/21/82	BOTH DRYWELL CAM'S 1PL15J AND 1PL75J SAMPLE PUMPS CONTINUOUSLY TRIPPED OFF.

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: J. PHILLIPS (617) 872-8110

4. Licensed Thermal Power (MWt): 2630

5. Nameplate Rating (Gross MWe): 900 X 0.9 = 810

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	8,760.0	88,932.6
13. Hours Reactor Critical	542.1	6,313.1	71,221.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	387.8	6,049.4	68,759.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	802,145	14,748,792	150,842,022
18. Gross Elec Ener (MWH)	269,920	4,752,310	49,422,060
19. Net Elec Ener (MWH)	255,821	4,524,228	46,967,493
20. Unit Service Factor	52.1	69.1	77.3
21. Unit Avail Factor	52.1	69.1	77.3
22. Unit Cap Factor (MDC Net)	42.5	63.8	67.6*
23. Unit Cap Factor (DER Net)	41.7	62.6	65.6*
24. Unit Forced Outage Rate	.0	1.8	6.6
25. Forced Outage Hours	.0	109.9	3,973.2

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

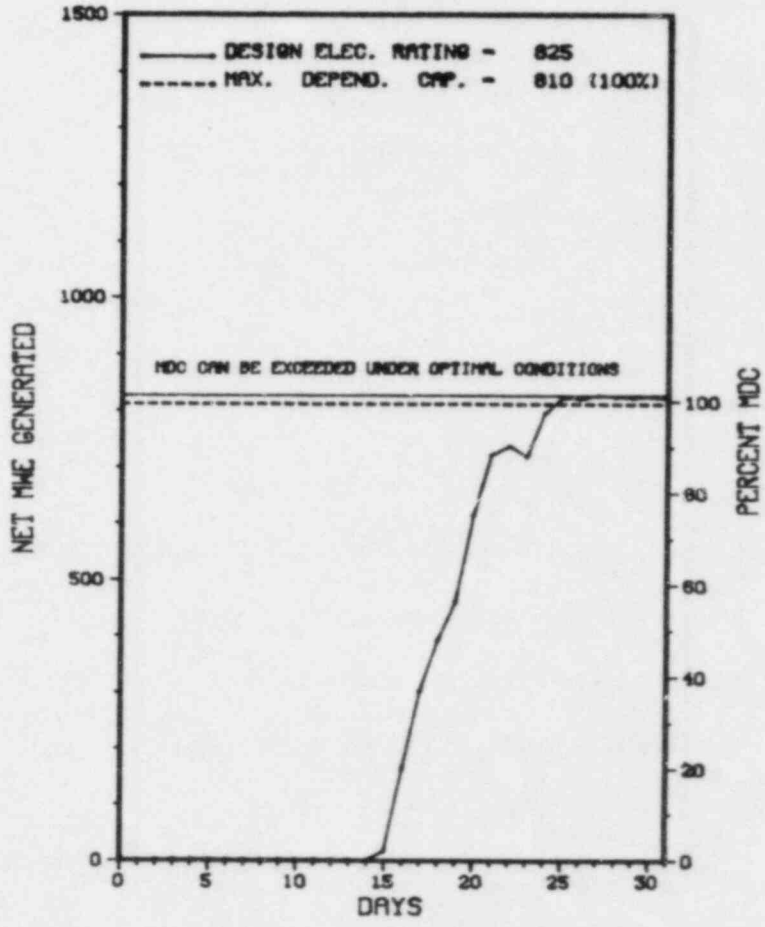
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10-82-	09/24/82	S	356.2	C	4		RC	FUELXX	SCHEDULED SHUTDOWN FOR CORE 6/7 REFUELING.

****
* SUMMARY *
****

MAINE YANKEE RETURNED ONLINE DECEMBER 15TH FROM REFUELING AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE

COUNTY.....LINCOLN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 23, 1972

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

DATE COMMERCIAL OPERATE....DECEMBER 28, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BACK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER

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

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

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....P. SWETLAND

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO REVIEW 23 CLASS A PROCEDURES WITHIN TWO YEARS AS REQUIRED BY TS 5.8 & QAP 0-06-2.
(8216 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-369 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1181

8. Maximum Dependable Capacity (Net MWe): 1180

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

MCGUIRE 1 POWER RATINGS NOT PERMANENTLY ESTABLISHED

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	9,504.0
13. Hours Reactor Critical	740.0	7,092.6	7,138.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	738.0	7,046.6	7,092.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,265,980	13,417,463	13,502,418
18. Gross Elec Ener (MWH)	433,363	4,598,155	4,626,591
19. Net Elec Ener (MWH)	405,269	4,302,267	4,321,323
20. Unit Service Factor	99.2	80.4	74.6
21. Unit Avail Factor	99.2	80.4	74.6
22. Unit Cap Factor (MDC Net)	46.2	41.6	38.5
23. Unit Cap Factor (DER Net)	46.2	41.6	38.5
24. Unit Forced Outage Rate	.8	16.0	22.4
25. Forced Outage Hours	6.0	1,345.7	2,044.0

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

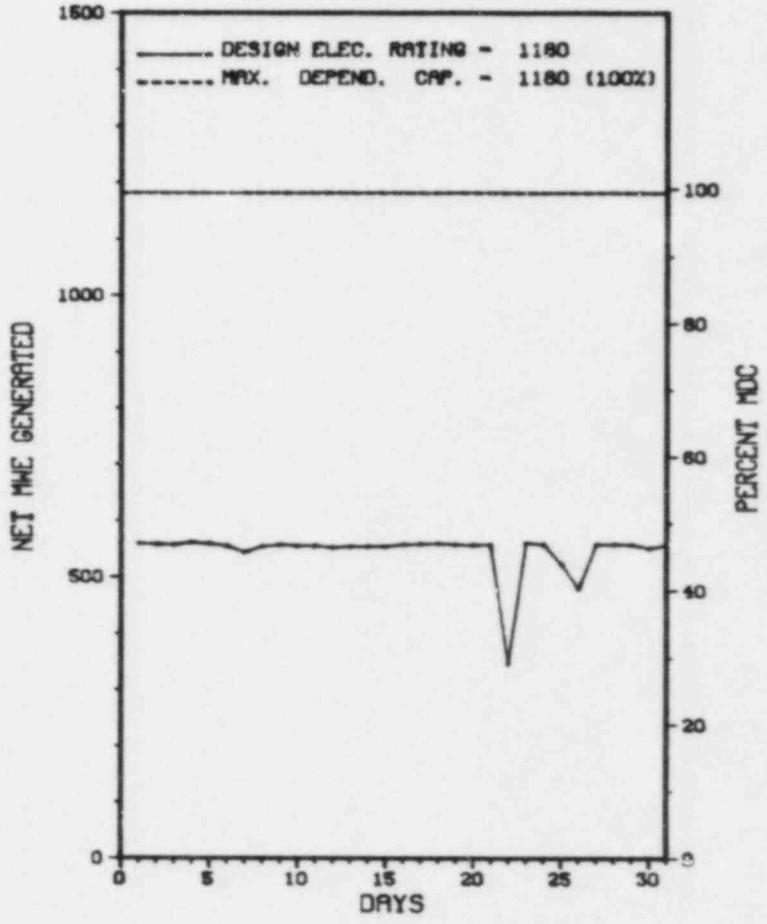
STEAM GENERATOR MOD-JANUARY 21, 1983 - 11 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16-P	12/01/82	F	0.0	H	5		CB	HTEXCH	LIMITED TO 50% POWER WHILE AWAITING MODIFICATION TO STEAM GENERATOR DESIGN.
21	12/22/82	F	6.0	A	1		CJ	VALVEX	RCS LEAKAGE OVER 1 GPM DUE TO PARTIALLY OPEN VENT VALVE ON BIT LINE. VALVE SHUT AND PIPE CAP INSTALLED.

****
* SUMMARY *
****

MCGUIRE 1 OPERATED WITH A 50% RESTRICTION FOR STEAM GENERATOR MODIFICATION DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....MECKLENBURG

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 8, 1981

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE NORMAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....R. BIRKE
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 NOVEMBER 16-19 (82-42): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED TWENTY-FIVE INSPECTOR-HOURS ON SITE AND AT THE DUKE POWER COMPANY DESIGN OFFICES IN THE AREAS OF PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB-79-02-UNIT 2); SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB-79-14-UNIT 2); AND PRELIMINARY LICENSEE EVENT REPORT NUMBER 82-94 CONTAINMENT SPRAY HEAT EXCHANGER FOUNDATION DISCREPANCIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 20 - NOVEMBER 20 (82-43): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION MAINTENANCE AND SURVEILLANCE. OF THE 3 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION DECEMBER 14-17 (82-46): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREOPERATIONAL TEST PROCEDURE REVIEW, PREOPERATIONAL TEST WITNESSING, FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEM, AND LICENSEE EVENT REPORT FOLLOWUP. OF THE FOUR 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:

NONE.

LAST IE SITE INSPECTION DATE: NOVEMBER 20 - DECEMBER 20, 1982 +

INSPECTION REPORT NO: 50-369/82-47 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-070/ 03L-0	09/16/82	10/15/82	OXYGEN ANALYZERS FAILED TO ALARM AS THE RESULT OF THE TOGGLE SWITCH BEING IN THE WRONG POSITION
82-071/ 03L-0	09/22/82	10/22/82	ESSENTIAL SYSTEMS/COMPONENTS TEMPORARILY INOPERABLE DUE TO LOSS OF POWER, A SPURIOUS TRIP IS SUSPECTED
82-075/ 03L-0	10/18/82	11/17/82	CONTAINMENT PURGE RADIATION MONITORS HAD SETPOINTS NOT IN AGREEMENT WITH THOSE IN TECHNICAL SPECIFICATIONS

1. Docket: 50-245 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: GEORGE HARRAN (203) 447-1791 X4194
4. Licensed Thermal Power (MWt): 2011
5. Nameplate Rating (Gross MWe): 735 X 0.9 = 662
6. Design Electrical Rating (Net MWe): 660
7. Maximum Dependable Capacity (Gross MWe): 684
8. Maximum Dependable Capacity (Net MWe): 654
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

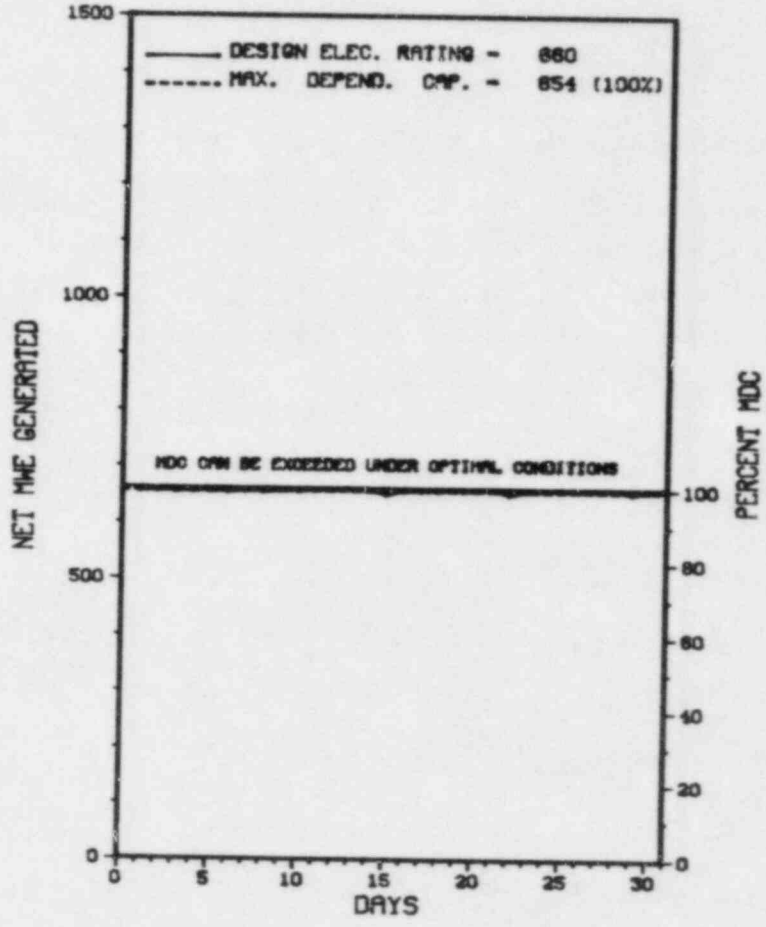
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	105,984.0
13. Hours Reactor Critical	744.0	7,042.6	78,297.0
14. Rx Reserve Shtdwn Hrs	.0	.0	2,775.8
15. Hrs Generator On-Line	744.0	6,996.7	75,640.4
16. Unit Reserve Shtdwn Hrs	.0	.0	26.5
17. Gross Therm Ener (MWH)	1,485,343	13,599,565	136,634,649
18. Gross Elec Ener (MWH)	508,600	4,293,900	45,755,896
19. Net Elec Ener (MWH)	486,327	4,078,277	43,627,100
20. Unit Service Factor	100.0	79.9	71.4
21. Unit Avail Factor	100.0	79.9	71.4
22. Unit Cap Factor (MDC Net)	99.9	71.2	62.9
23. Unit Cap Factor (DER Net)	99.0	70.5	62.4
24. Unit Forced Outage Rate	.0	1.4	15.0
25. Forced Outage Hours	.0	100.9	5,290.5

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



DECEMBER 1982

Report Period DEC 1982

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 AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

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

LICENSING PROJ MANAGER.....J. SHEA
DOCKET NUMBER.....50-245

LICENSE & DATE ISSUANCE....DPR-21, OCTOBER 26, 1970

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45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-336 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: J. GIBBON (203) 447-1791 X 4419
4. Licensed Thermal Power (MWt): 2700
5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910
6. Design Electrical Rating (Net MWe): 870
7. Maximum Dependable Capacity (Gross MWe): 895
8. Maximum Dependable Capacity (Net MWe): 864
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

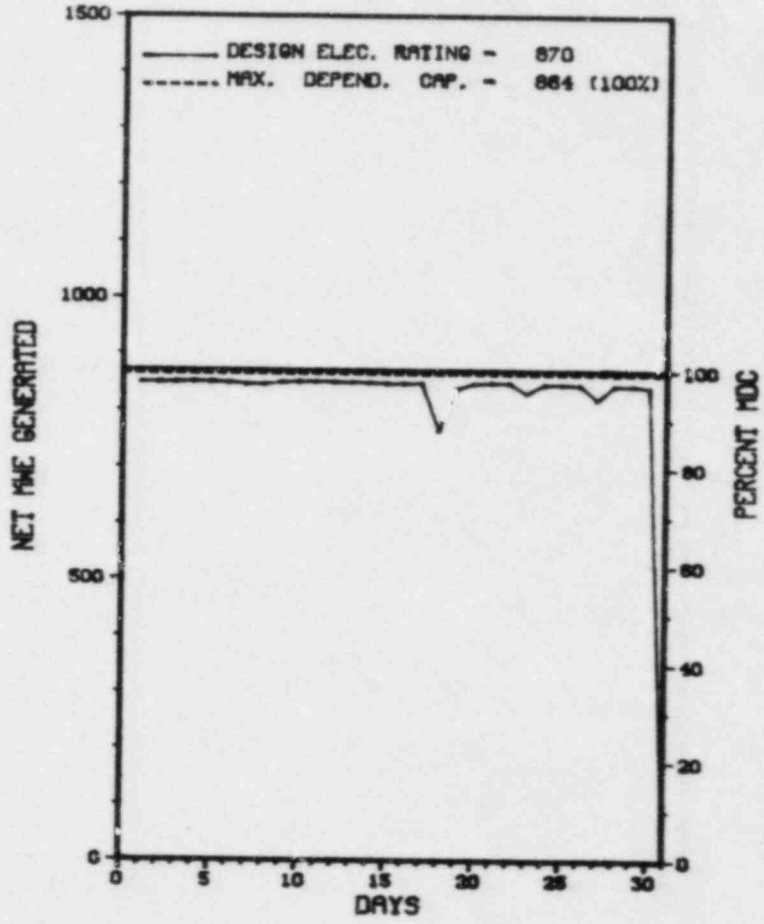
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	61,512.0
13. Hours Reactor Critical	744.0	6,647.5	45,234.4
14. Rx Reserve Shtdwn Hrs	.0	90.0	2,166.9
15. Hrs Generator On-Line	725.2	6,185.5	43,187.0
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	1,938,553	16,022,965	108,438,912
18. Gross Elec Ener (MWH)	630,510	5,220,345	35,221,842
19. Net Elec Ener (MWH)	607,552	5,009,081	33,762,758
20. Unit Service Factor	97.5	70.6	70.2
21. Unit Avail Factor	97.5	70.6	71.0
22. Unit Cap Factor (MDC Net)	94.5	66.2	65.0*
23. Unit Cap Factor (DER Net)	93.9	65.7	64.2*
24. Unit Forced Outage Rate	.0	11.4	19.4
25. Forced Outage Hours	.0	792.7	9,145.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING OUTAGE, APRIL 16, 1983, 14 WEEKS
27. If Currently Shutdown Estimated Startup Date: 01/03/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
26	12/18/82	S	0.0	B	5		HF	HTEXCH	POWER REDUCTION TO 90% TO CLEAN CONDENSOR WATER BOXES.
27	12/23/82	F	0.0	A	5		XX	INSTRU	POWER REDUCTION TO 86% DUE TO PROCESS COMPUTER FAILURE. A FAILED CIRCUIT CARD WAS REPLACED AND FULL POWER RESUMED.
28	12/31/82	S	18.8	B	2		HJ	PIPEXX	WENT TO HOT SHUTDOWN, MODE 2, CONDITION TO REPAIR SECONDARY SIDE STEAM LEAKS.

****
* SUMMARY *
****

MILLSTONE 2 OPERATED ROUTINELY DURING DECEMBER.

Type

F-Forced
S-Sched

Reason

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

Method

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

System & Component

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

****
* 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.....J. SHEDLOSKY

LICENSING PROJ MANAGER.....P. LEECH
DOCKET NUMBER.....50-336

LICENSE & DATE ISSUANCE....DPR-65, SEPTEMBER 30, 1975

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ROUTE 156
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

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: 50-263 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: A. L. Myrabo (612) 295-5151
4. Licensed Thermal Power (MWt): 1670
5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569
6. Design Electrical Rating (Net MWe): 545
7. Maximum Dependable Capacity (Gross MWe): 553
8. Maximum Dependable Capacity (Net MWe): 525
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

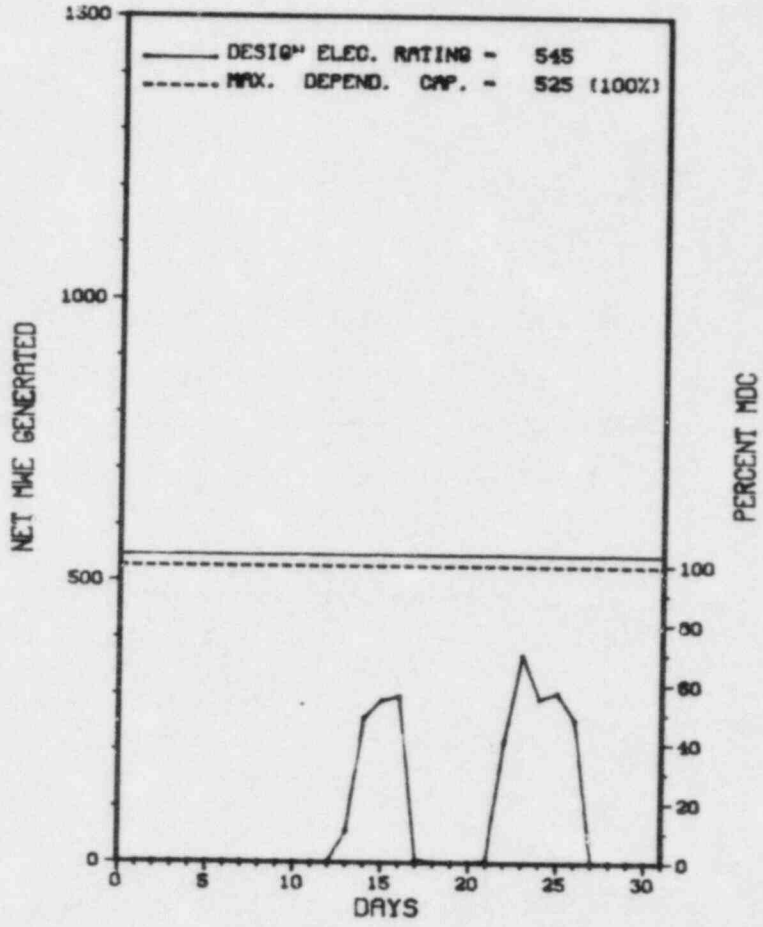
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	100,849.0
13. Hours Reactor Critical	288.6	5,697.8	80,633.4
14. Rx Reserve Shtdwn Hrs	.0	.0	940.7
15. Hrs Generator On-Line	213.9	5,545.5	78,755.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	183,058	7,677,898	127,360,240
18. Gross Elec Ener (MWH)	59,522	2,550,516	40,555,893
19. Net Elec Ener (MWH)	53,988	2,420,820	38,764,581
20. Unit Service Factor	28.8	63.3	78.1
21. Unit Avail Factor	28.8	63.3	78.1
22. Unit Cap Factor (MDC Net)	13.8	52.6	73.2
23. Unit Cap Factor (DER Net)	13.3	50.7	70.5
24. Unit Forced Outage Rate	.0	1.7	5.9
25. Forced Outage Hours	.0	97.4	1,270.9

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
OCTOBER 8, 1983 - REFUELING OUTAGE - 98 DAYS
27. If Currently Shutdown Estimated Startup Date: 01/08/83

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

MONTICELLO

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	09/01/82	S	294.9	C	4		ZZ	ZZZZZZ	CONTINUATION OF 1982 REFUELING OUTAGE.
11	12/13/82	S	1.2	B	9		HA	TURBIN	TURBINE OVERSPEED TEST.
12	12/17/82	S	112.3	B	2		HA	TURBIN	TURBINE BEARING REPAIR AND ALIGNMENT.
13	12/26/82	S	121.7	B	2		HA	TURBIN	TURBINE BEARING REPAIR AND ALIGNMENT.

SUMMARY

MONTICELLO OPERATED WITH 4 OUTAGES AND NO REDUCTIONS DURING DECEMBER AND WAS OFFLINE AT THE END OF THE MONTH FOR MAINTENANCE.

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

****
* MONTICELLO *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

DATE ELEC ENER 1ST GENER...MARCH 5, 1971

DATE COMMERCIAL OPERATE....JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....C. BROWN

LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-263

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

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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 27-30, OCTOBER 12-13, AND OCTOBER 22, (82-11): ROUTINE, UNANNOUNCED INSPECTION OF REFUELING RADIATION PROTECTION ACTIVITIES INCLUDING: PROCEDURES, TRAINING, EXPOSURE CONTROL, POSTING AND CONTROL, SURVEYS, AND MATERIAL CONTROL. IT ALSO INCLUDED INSPECTION OF LICENSE NO. 22-08799-09, REVIE OF SEVERAL TMI ACTION PLAN ITEMS AND REVIEW OF AN INCIDENT INVOLVING UNPLANNED RADIATION EXPOSURE. THE INSPECTION INVOLVED 99 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS; THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING AREAS (FAILURE TO FOLLOW PROCEDURES, FAILURE TO PERFORM SURVEYS, AND FAILURE TO PROVIDE NECESSARY PERSONAL MONITORING DEVICES).

INSPECTION CONDUCTED AUGUST 29-OCTOBER 30, (82-12): ROUTINE SAFETY INSPECTION BY RESIDENT INSPECTORS IN THE AREAS OF FOLLOWUP ON REGIONAL REQUESTS; PREPARATION FOR REFUELING; REFUELING ACTIVITIES; ON SITE REVIEW COMMITTEE, MAINTENANCE - REFUELING; INSPECTION DURING LONG TERM SHUTDOWN; JET PUMP HOLD BEAMS; FIRE PROTECTION/PREVENTION; AND FOLLOWUP ON HEADQUARTERS REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 223 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 48 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS IN SHUTDOWN AND REPAIRS ARE BEING MADE TO NO. 5 AND 9 TURBINE GENERATOR BEARINGS.

LAST IE SITE INSPECTION DATE: DECEMBER 2-21, 1982

INSPECTION REPORT NO: 82-17

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-15/ 03L-0	11/21/82	12/20/82	DURING PT EXAM OF RCIC MINIMUM FLOW LINE WELDS, 2 NON-THROUGH WALL FATIGUE TYPE CRACKS WERE FOUND, ALSO CRACKS ON CARBON STEEL BRANCH CONNECTION WELD TO CORE SPRAY TEST RETURN LINE.
82-16/ 01T-0	12/01/82	12/15/82	LEAK FOUND ON SHUTDOWN COOLING OUTBOARD ISO. VALVE. PIPING COULD NOT BE PRESSURIZED DUE TO LEAK.

1. Docket: 50-220 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: J. HALLENBECK (315) 343-2110

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	8,760.0	115,416.0
13. Hours Reactor Critical	.0	1,874.0	81,309.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,204.2
15. Hrs Generator On-Line	.0	1,872.5	78,562.3
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	0	3,421,093	129,374,307
18. Gross Elec Ener (MWH)	0	1,169,791	42,743,091
19. Net Elec Ener (MWH)	0	1,134,758	41,392,651
20. Unit Service Factor	.0	21.4	68.1
21. Unit Avail Factor	.0	21.4	68.1
22. Unit Cap Factor (MDC Net)	.0	21.2	58.8
23. Unit Cap Factor (DER Net)	.0	20.9	57.8
24. Unit Forced Outage Rate	100.0	78.3	14.9
25. Forced Outage Hours	744.0	6,754.0	9,106.7

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

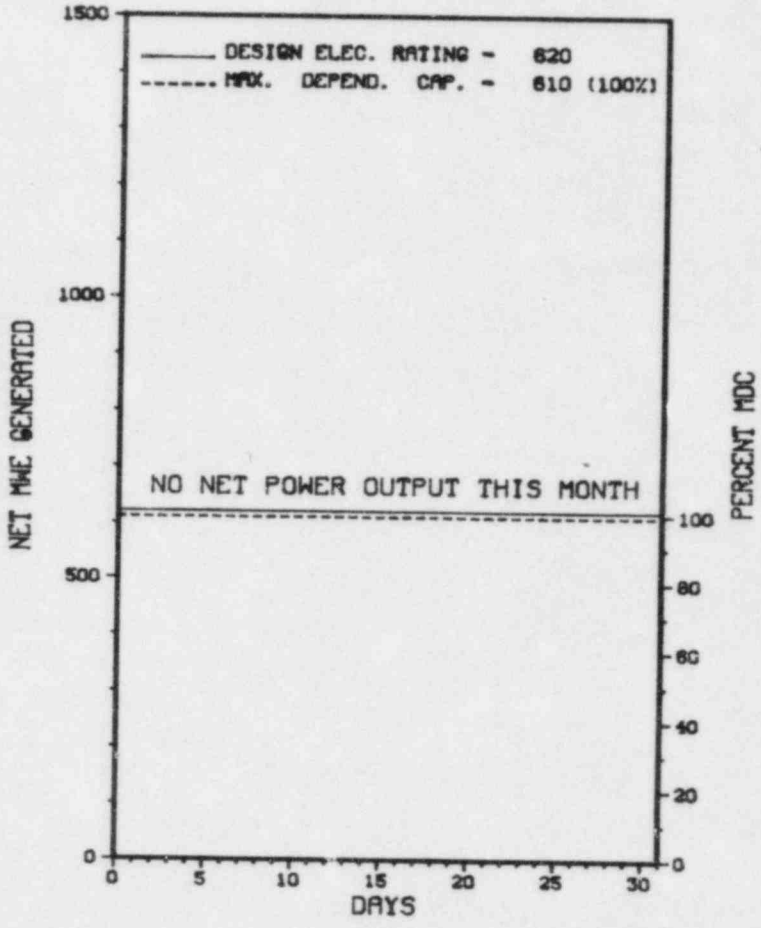
NONE

27. If Currently Shutdown Estimated Startup Date: 09/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

NINE MILE POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8206	03/23/82	F	744.0	A	4	82-009			REPLACEMENT OF RECIRC. PIPING CONTINUES.

SUMMARY

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

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....OSWEGO

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969

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

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ONTARIO

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. HUDSON

LICENSING PROJ MANAGER.....P. POLK
DOCKET NUMBER.....50-220

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

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OSWEGO, NY 13126
(315) 341-2323

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

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.

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

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

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: L. ROGERS (703) 894-5151

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 865

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	40,081.0
13. Hours Reactor Critical	71.5	3,294.7	27,123.0
14. Rx Reserve Shtdwn Hrs	672.5	954.0	1,180.9
15. Hrs Generator On-Line	6.3	3,029.2	26,382.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	3,774	7,945,102	68,259,354
18. Gross Elec Ener (MWH)	1,122	2,539,010	21,784,532
19. Net Elec Ener (MWH)	884	2,397,857	20,520,773
20. Unit Service Factor	.8	34.6	65.8
21. Unit Avail Factor	.8	34.6	65.8
22. Unit Cap Factor (MDC Net)	.1	31.6	59.2
23. Unit Cap Factor (DER Net)	.1	30.2	56.4
24. Unit Forced Outage Rate	99.0	22.8	9.3
25. Forced Outage Hours	649.3	894.9	2,620.3

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

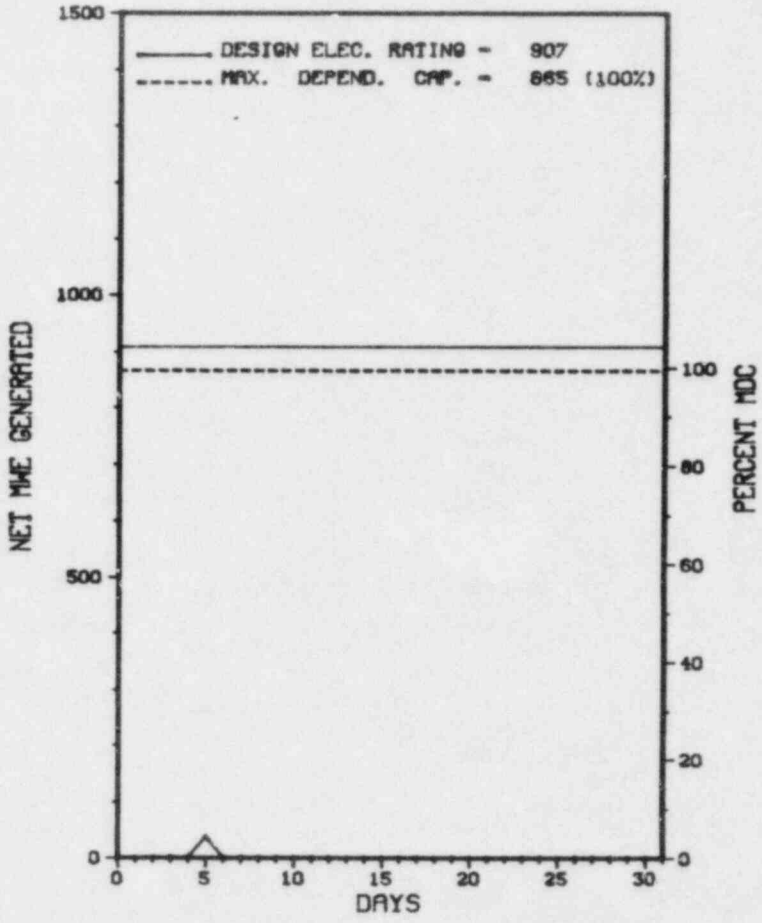
NONE

27. If Currently Shutdown Estimated Startup Date: 04/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-10	05/17/82	S	88.4	C	4		RC	FUELXX	REFUELING OUTAGE COMPLETED.
82-11	12/04/82	F	13.9	A	3	82-83	SF	INSTRU	THE CAUSE OF THE REACTOR TRIP WAS A MALFUNCTION OF TURBINE EHC SYSTEM WHICH ALSO WAS THE CAUSE OF THE SAFETY INJECTION THAT FOLLOWED THE TRIP.
82-12	12/05/82	F	635.4	A	3	82-85	SF	INSTRU	THE CUASE OF THE REACTOR TRIP WAS THE FAILURE OF THE "B" PHASE MAIN TRANSFORMER. THE SAFETY INJECTION WHICH FOLLOWED WAS DUE TO TWO STEAM FLOW CHANNELS AND THE NUCLEAR POWER RANGE INSTRUMENT THAT CONTROLS THE FEED REGULATION BY PASS VALVES IN AUTO, ALL BEING IN THE TRIP POSITION.

SUMMARY

NORTH ANNA 1 WAS OFFLINE THE MAJORITY OF THE MONTH DUE TO REFUELING AND MAINTENANCE REPAIRS.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.... .....PWR

DATE INITIAL CRITICALITY...APRIL 5, 1978

DATE ELEC ENER 1ST GENER...APRIL 17, 1978

DATE COMMERCIAL OPERATE....JUNE 6, 1978

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. JOHNSON

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 8-10 (82-38): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL, RESPONSE; SECURITY PROGRAM AUDIT; REPORTS AND RECORDS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROLS-PERSONNEL, PACKAGES, VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THREE INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 20 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

MAIN GENERATOR.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: JANUARY 10-14, 1983 +

INSPECTION REPORT NO: 50-338/83-02 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-060/ 03L-0	10/19/82	11/16/82	STATION BATTERY FAILED AN 18 MONTH DISCHARGE SURVEILLANCE TEST IT HAD REACHED ITS NATURAL END OF LIFE
82-067/ 03L-0	10/19/82	11/16/82	SUCTION TO THE RHR PUMPS WAS LOST BECAUSE OF AMBIGUOUS REACTOR COOLANT SYSTEM (RCS) LEVEL INDICATION WHILE DRAINED TO CENTERLINE OF THE NOZZLES

1. Docket: 50-339 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: L. ROGERS (703) 894-5151
4. Licensed Thermal Power (MWt): 2775
5. Nameplate Rating (Gross MWe): 947
6. Design Electrical Rating (Net MWe): 907
7. Maximum Dependable Capacity (Gross MWe): 939
8. Maximum Dependable Capacity (Net MWe): 890
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	17,952.0
13. Hours Reactor Critical	744.0	5,088.3	12,503.1
14. Rx Reserve Shtdwn Hrs	.0	385.4	2,018.6
15. Hrs Generator On-Line	744.0	4,993.3	12,223.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,992,521	12,943,379	31,735,012
18. Gross Elec Ener (MWH)	650,354	4,274,064	10,611,296
19. Net Elec Ener (MWH)	615,639	4,047,202	10,049,618
20. Unit Service Factor	100.0	57.0	68.1
21. Unit Avail Factor	100.0	57.0	68.1
22. Unit Cap Factor (MDC Net)	93.0	51.9	62.9
23. Unit Cap Factor (DER Net)	91.2	50.9	61.7
24. Unit Forced Outage Rate	.0	22.5	20.3
25. Forced Outage Hours	.0	1,447.4	3,122.5

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

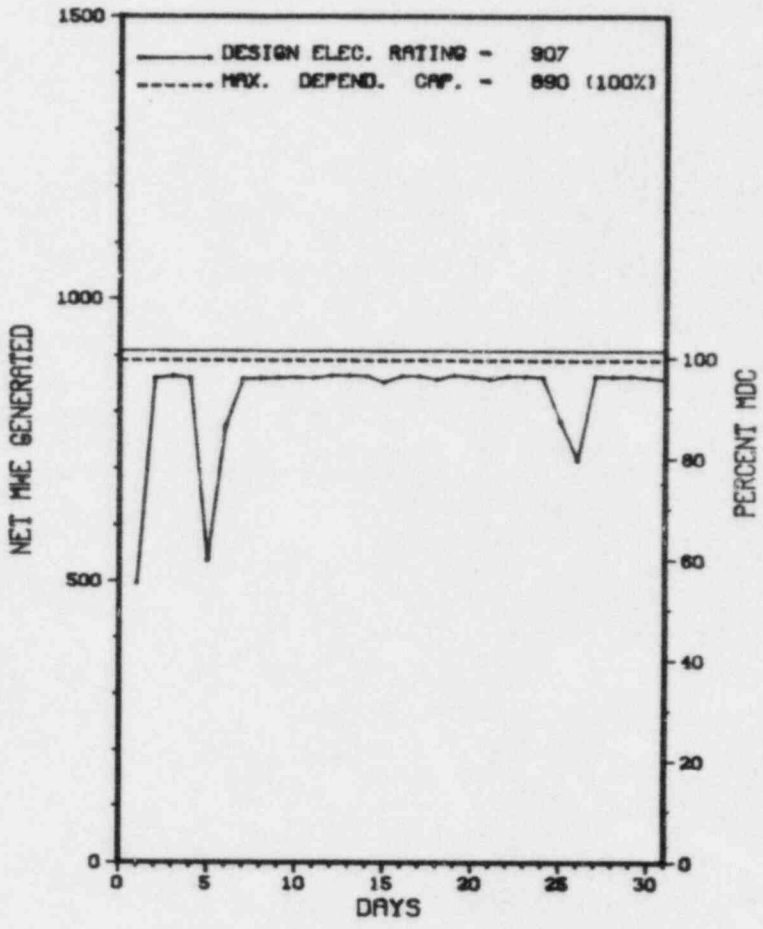
REFUELING OUTAGE 04-01-83 THRU 05-15-83

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-21	12/05/82	F	0.0	H	5				LOAD REDUCTION IN ORDER TO REDUCE HIGH CATION CONDUCTIVITY OF THE STEAM GENERATOR CHEMISTRY.
82-22	12/25/82	S	0.0	H	5				LOAD FOLLOW DUE TO SYSTEM LOAD REQUIREMENTS AS PER SYSTEM OPERATOR.
82-23	12/25/82	S	0.0	H	5				LOAD FOLLOW DUE TO SYSTEM LOAD REQUIREMENTS AS PER SYSTEM OPERATOR.

SUMMARY

NORTH ANNA 2 OPERATED WITH 3 REDUCTIONS AND NO OUTAGES DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	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	

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....LOUISA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 12, 1980

DATE ELEC ENER 1ST GENER...AUGUST 25, 1980

DATE COMMERCIAL OPERATE....DECEMBER 14, 1980

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. JOHNSON

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339

LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980

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& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 8-10 (82-38): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT, PERSONNEL, RESPONSE; SECURITY PROGRAM AUDIT; REPORTS AND RECORDS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS-PROTECTED AND VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROLS-PERSONNEL, PACKAGES, VEHICLES; DETECTION AIDS-PROTECTED AND VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. TWO INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 20 AREAS EXAMINED DURING THE INSPECTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 10-14, 1983 +

INSPECTION REPORT NO: 50-339/83-02 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-056/ 03L-0	09/26/82	10/26/82	BREAKER FOR THE CHEMICAL ADDITION TANK FOUND IN THE "OFF" POSITION. LEFT IN THE DE-ENERGIZED CONDITION BECAUSE A PROCEDURE WAS NOT USED
82-063/ 03L-0	09/26/82	10/19/82	INDIVIDUAL ROD POSITION INDICATION DEVIATED FROM THE GROUP DEMAND POSITION WITH NO ROD MOTION INDICATOR DISAGREEMENT WAS DUE TO INSTRUMENT DRIFT
82-064/ 03L-0	10/12/82	10/27/82	INTERMEDIATE RANGE CHANNEL N-35 FAILED LOW DUE TO A FAILED LOG CURRENT AMPLIFIER MODULE
82-066/ 03L-0	10/13/82	10/27/82	CASING COOLING PUMP WAS REMOVED FROM SERVICE BECAUSE THE DIFFERENTIAL PRESSURE VALUE WAS BELOW THE ACCEPTABLE RANGE
82-069/ 03L-0	10/20/82	11/15/82	A DIESEL GENERATOR FIELD CONTACTOR LATCH TRIP COIL FAILED TO ENERGIZE, THE LATCH TRIP COIL WAS REPLACED
82-070/ 03L-0	10/25/82	11/15/82	ACOUSTIC MONITOR FOR PRESSURIZER RELIEF VALVE WAS FOUND TO BE INOPERABLE. THE SIGNAL FROM THE ACCELEROMETER FAILED
82-071/ 03L-0	10/27/82	11/16/82	THE CIRCUIT BREAKER FOR THE "B" CASING COOLING PUMP WAS FOUND OPENED. NO REASON FOR THE BREAKER BEING OPEN WAS FOUND

1. Docket: 50-269 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	82,945.0
13. Hours Reactor Critical	744.0	6,611.8	57,667.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	6,340.0	54,583.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,901,387	15,661,915	129,119,687
18. Gross Elec Ener (MWH)	667,200	5,441,560	44,917,910
19. Net Elec Ener (MWH)	637,919	5,152,750	42,496,926
20. Unit Service Factor	100.0	72.4	65.8
21. Unit Avail Factor	100.0	72.4	65.8
22. Unit Cap Factor (MDC Net)	99.7	68.4	59.4*
23. Unit Cap Factor (DER Net)	96.7	66.3	57.8*
24. Unit Forced Outage Rate	.0	25.9	19.2
25. Forced Outage Hours	.0	2,216.5	11,982.4

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

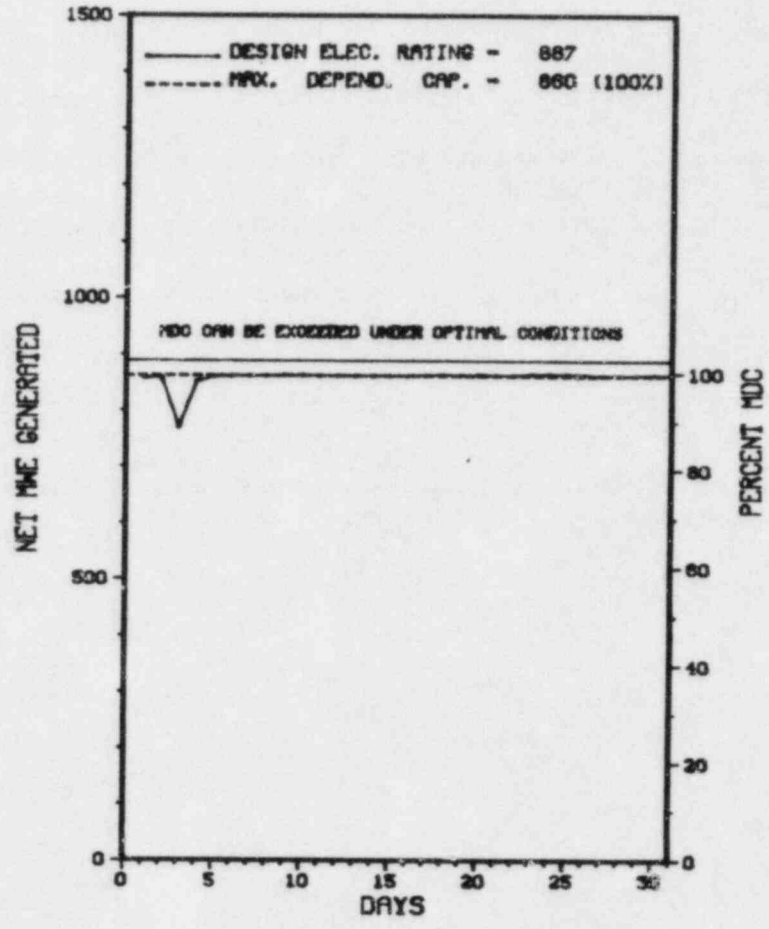
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

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

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12-P	12/03/82	S	0.0	B	5		CA	CRDRVE	87% POWER FOR CRD MOVEMENT PT.

****
* SUMMARY *
****

OCONEE 1 OPERATED AT FULL POWER WITH 1 REDUCTION DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

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.....J. SUERMANN
DOCKET NUMBER.....50-269

LICENSE & DATE ISSUANCE....DPR-38, FEBRUARY 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 10 - NOVEMBER 10 (82-41): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 78 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TESTING, SURVEILLANCE TEST PROGRAM, MAINTENANCE ACTIVITIES, OPERATIONS AND REVIEW OF LICENSEE EVENT REPORTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 10 - DECEMBER 10 (82-44): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 81 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TESTING, MAINTENANCE, OPERATIONS, SPENT FUEL CONSOLIDATION AND STEAM GENERATOR TUBE LEAKS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APPENDIX "B", CRITERION V AND THE ACCEPTED QA PROGRAM, SECTION 17.2.5, MEASURES TO CONTROL MATERIALS IN STORAGE HAVE NOT BEEN PRESCRIBED BY DOCUMENTED PROCEDURES, SPECIFICALLY SECTION 3 OF ANSI N45.2.2-1972. CONTRARY TO 10CFR50, APPENDIX "B", CRITERION V AND THE ACCEPTED QA PROGRAM, SECTION 17.2.5, MEASURES TO CONTROL MATERIALS IN STORAGE HAVE NOT BEEN PRESCRIBED BY DOCUMENTED PROCEDURES, SPECIFICALLY SECTION 3 OF ANSI N45.2.2-1972. CONTRARY TO 10CFR50, APPENDIX "B", CRITERION V AND THE ACCEPTED QA PROGRAM, SECTION 17.2.5, MEASURES TO CONTROL MATERIALS IN STORAGE HAVE NOT BEEN PRESCRIBED BY DOCUMENTED PROCEDURES, SPECIFICALLY SECTION 3 OF ANSI N45.2.2-1972.
(8240 5)

ENFORCEMENT SUMMARY

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: NOVEMBER 10 - DECEMBER 10, 1982 +

INSPECTION REPORT NO: 50-269/82-44 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-015/ 03L-0	09/17/82	10/15/82	RPS MANUAL REACTOR TRIP PUSHBUTTON NOT TESTED AS REQUIRED DUE TO A PROCEDURE DEFICIENCY

1. Docket: 50-270 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: J. A. Reavis (704) 373-8552
4. Licensed Thermal Power (MWt): 2568
5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934
6. Design Electrical Rating (Net MWe): 887
7. Maximum Dependable Capacity (Gross MWe): 899
8. Maximum Dependable Capacity (Net MWe): 860
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	72,865.0
13. Hours Reactor Critical	741.5	4,705.4	50,914.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	735.0	4,582.1	49,810.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,870,386	10,628,497	116,663,308
18. Gross Elec Ener (MWH)	643,260	3,635,360	39,712,146
19. Net Elec Ener (MWH)	615,718	3,437,387	37,670,235
20. Unit Service Factor	98.8	52.3	68.4
21. Unit Avail Factor	98.8	52.3	68.4
22. Unit Cap Factor (MDC Net)	96.2	45.6	59.9*
23. Unit Cap Factor (DER Net)	93.3	44.2	58.4*
24. Unit Forced Outage Rate	1.2	18.2	17.7
25. Forced Outage Hours	9.0	1,021.7	9,862.7

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

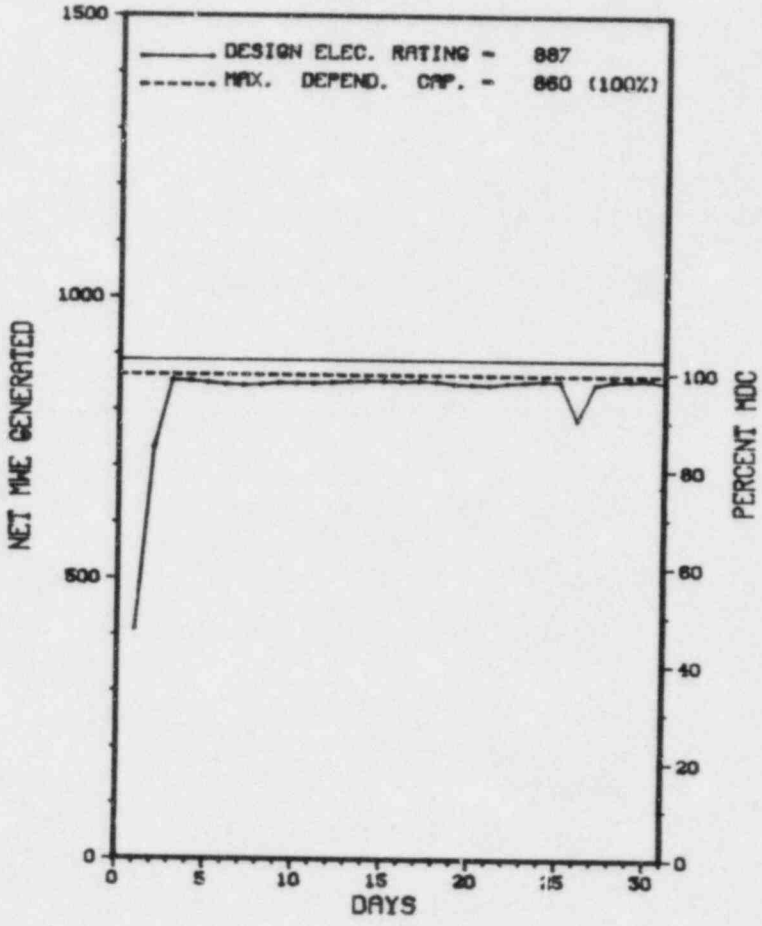
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	12/01/82	F	9.0	A	3		CH	INSTRU	FEEDWATER FLOW TRANSMITTER FAILED, UNIT TRIP THEN RESULTED FROM FLUX/FLOW IMBALANCE.

SUMMARY

OCONEE 2 OPERATED AT NEAR FULL POWER WITH 1 OUTAGE DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

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.....J. SUERMANN
DOCKET NUMBER.....50-270

LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 10 - NOVEMBER 10 (82-41): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TESTING, SURVEILLANCE TEST PROGRAM, MAINTENANCE ACTIVITIES, OPERATIONS AND REVIEW OF LICENSEE EVENT REPORTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 10 - DECEMBER 10 (82-44): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 81 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TESTING, MAINTENANCE, OPERATIONS, SPENT FUEL CONSOLIDATION AND STEAM GENERATOR TUBE LEAKS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: NOVEMBER 10 - DECEMBER 10, 1982 +

INSPECTION REPORT NO: 50-270/82-44 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-287 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	70,512.0
13. Hours Reactor Critical	319.1	2,907.3	48,221.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	308.4	2,827.3	47,143.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	721,649	6,530,322	114,049,060
18. Gross Elec Ener (MWH)	248,270	2,251,000	39,397,814
19. Net Elec Ener (MWH)	231,760	2,116,625	37,468,101
20. Unit Service Factor	41.5	32.3	66.9
21. Unit Avail Factor	41.5	32.3	66.9
22. Unit Cap Factor (MDC Net)	36.2	28.1	61.6*
23. Unit Cap Factor (DER Net)	35.1	27.2	60.0*
24. Unit Forced Outage Rate	58.5	41.8	17.3
25. Forced Outage Hours	435.6	2,028.6	10,012.9

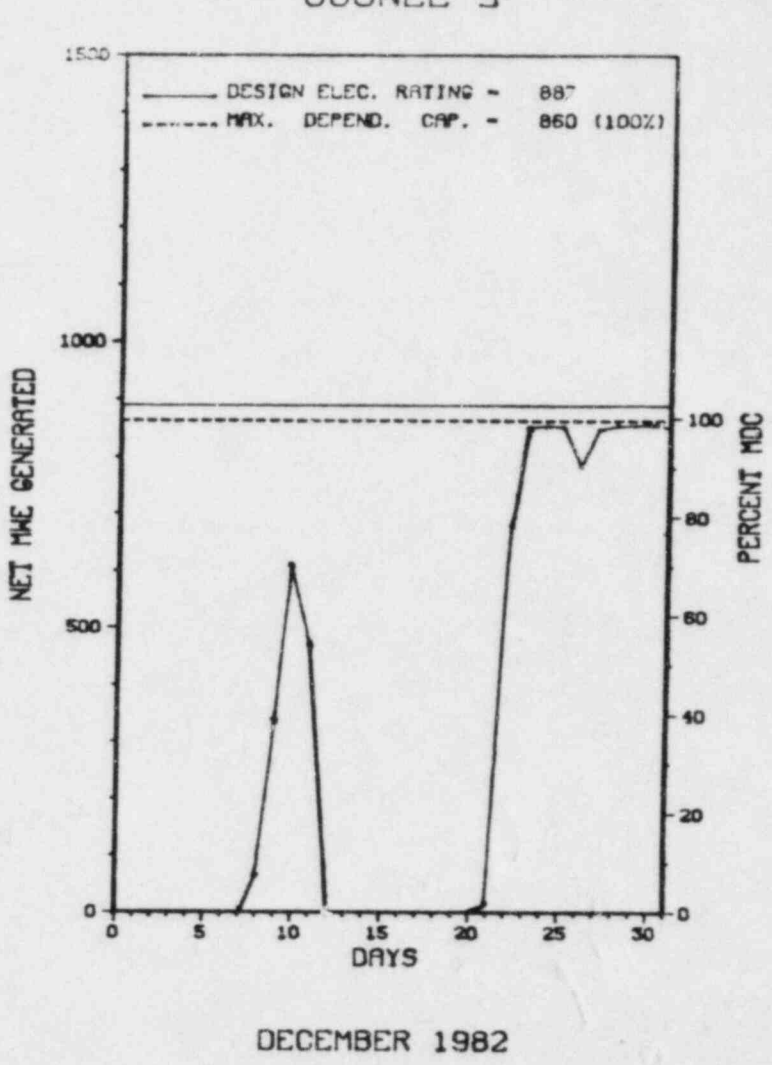
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	11/17/82	F	185.6	A	4		CB	HTEXCH	UNIT ENTERED MONTH SHUTDOWN TO REPAIR STEAM GENERATOR TUBE LEAKS.
5	12/09/82	F	9.8	A	3		CC	INSTRU	FAILURE OF LEVEL CONTROL SWITCH CAUSED UNIT TRIP ON HIGH MOISTURE SEPARATOR REHEAT LEVEL.
6	12/11/82	F	240.2	A	1		CB	HTEXCH	UNIT SHUTDOWN TO REPAIR STEAM GENERATOR TUBE LEAK.

SUMMARY

OCONEE 3 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 5, 1974

DATE ELEC ENER 1ST GENER...SEPTEMBER 18, 1974

DATE COMMERCIAL OPERATE....DECEMBER 16, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....J. BRYANT

LICENSING PROJ MANAGER.....J. SUERMANN
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 OCTOBER 10 - NOVEMBER 10 (82-41): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TEST PROGRAM, MAINTENANCE ACTIVITIES, OPERATIONS AND REVIEW OF LICENSEE EVENT REPORTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 10 - DECEMBER 10 (82-44): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 81 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE TESTING, MAINTENANCE, OPERATIONS, SPENT FUEL CONSOLIDATION AND STEAM GENERATOR TUBE LEAKS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 10 - DECEMBER 10, 1982 +

INSPECTION REPORT NO: 50-287/82-44 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-010/ 01T-3	10/04/82	10/18/82	WEEKLY BWST BORON SAMPLE WAS NOT TAKEN DUE TO PERSONNEL ERROR

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: JOHN B. SKLAR (609)693-6013

4. Licensed Thermal Power (MWt): 1930

5. Nameplate Rating (Gross MWe): 722 X .9 = 650

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	114,168.0
13. Hours Reactor Critical	551.9	5,637.9	83,614.3
14. Rx Reserve Shtdwn Hrs	.0	.0	468.2
15. Hrs Generator On-Line	501.3	5,475.8	81,686.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	481,700	6,787,700	135,378,729
18. Gross Elec Ener (MWH)	135,470	2,126,300	45,812,275
19. Net Elec Ener (MWH)	124,540	2,013,090	44,080,528
20. Unit Service Factor	67.4	62.5	71.5
21. Unit Avail Factor	67.4	62.5	71.5
22. Unit Cap Factor (MDC Net)	27.0	37.1	62.5*
23. Unit Cap Factor (DER Net)	25.8	35.4	59.4
24. Unit Forced Outage Rate	32.6	37.5	11.7
25. Forced Outage Hours	242.7	3,284.2	8,916.8

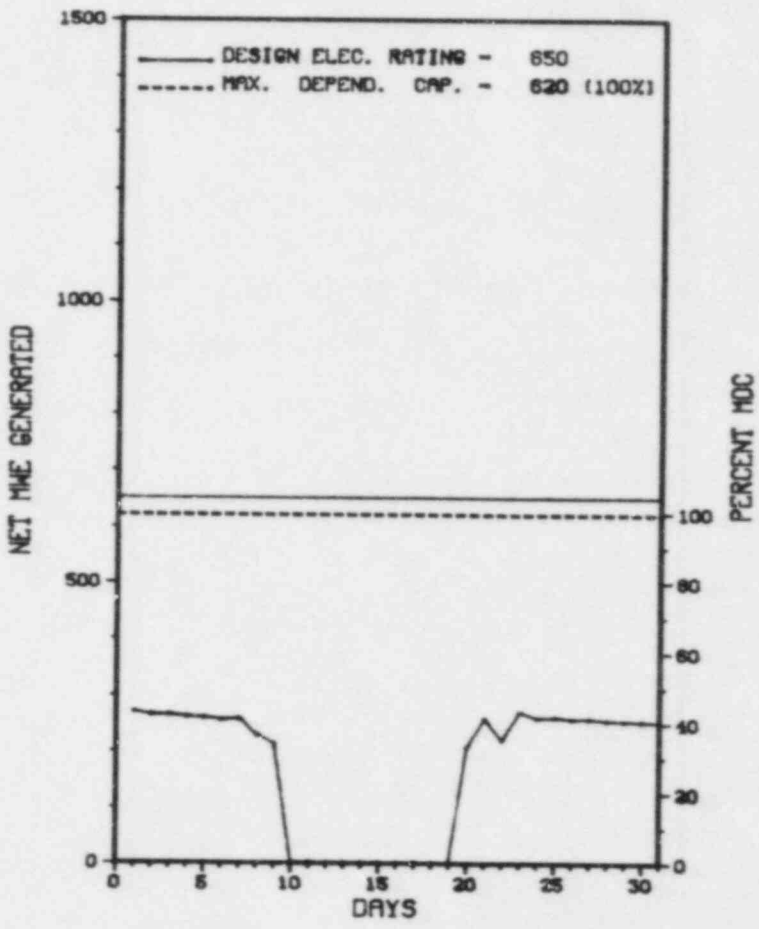
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING AND MAINTENANCE, 2/12/83, 11 MONTHS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
29	12/10/82	F	242.7	A	1		ZZ	ZZZZZZ	MANUAL SHUTDOWN CAUSED BY INCREASING TREND IN DRYWELL UNIDENTIFIED LEAK RATE DUE TO A WORN REACTOR RECIRCULATION PUMP SEAL.
30	12/21/82	F	0.0	H	5		ZZ	ZZZZZZ	A REACTOR SHUTDOWN WAS COMMENCED DUE TO AN INADVERTENT PARTIAL WET DOWN OF THE DRYWELL. THE SHUTDOWN WAS TERMINATED AFTER A POWER REDUCTION OF 100 MWE OVER A 2.5 HOUR PERIOD.

****
* SUMMARY *
****

OYSTER CREEK 1 OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING DECEMBER.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 3, 1969

DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BARNEGAT BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION

CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. THOMAS

LICENSING PROJ MANAGER.....J. LOMBARDO
DOCKET NUMBER.....50-219

LICENSE & DATE ISSUANCE....DPR-16, AUGUST 1, 1969

PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.1.A & TABLE 3.1.1.H, WHILE THE PLANT WAS OPERATING WITH THE REACTOR WATER TEMPERATURE ABOVE 212 DEGREES F, THE FOLLOWING CONDITIONS WERE IDENTIFIED: 1. ON 9/27/82, THE ISOLATION TRIP SYSTEM FOR THE 'B' ISOLATION CONDENSER WAS NOT CAPABLE OF AUTOMATICALLY CLOSING ISOLATION VALVE V-14-32 IN THE INFLUENT STEAM LINE IN THAT THIS VALVE WAS ELECTRICALLY DEFEATED IN THE OPEN POSITION FOR ABOUT 6 HOURS (TO ADD PACKING) & THE ISOLATION CONDENSER WAS NOT ISOLATED. 2. ON 9/29/82, THE ISOLATION TRIP SYSTEM FOR THE 'A' ISOLATION CONDENSER WAS NOT CAPABLE OF AUTOMATICALLY CLOSING ISOLATION VALVE V-14-31 IN THE STEAM INFLUENT LINE IN THAT THIS VALVE WAS ELECTRICALLY DEFEATED IN THE OPEN POSITION FOR ABOUT 8 HOURS (TO ADD PACKING) & THE ISOLATION CONDENSER WAS NOT ISOLATED.

(8222 4)

SECTION 4.6.B(3) OF APP A TO THE PROVISIONAL OPERATING LICENSE #DPR-16 REQUIRES THAT THE ENVIRONMENTAL PROGRAM DESCRIBED IN SEC B.II.6 OF AMENDMENT 65 TO THE APPLICATION FOR THE REACTOR OPERATING LICENSE SHALL BE CONDUCTED. THE SAMPLING FREQUENCIES SPECIFIED IN TABLE B-II-1 OF AMENDMENT 65 SHALL BE ADHERED TO AS CLOSELY AS CONDITIONS PERMIT. TABLE B-II-1 OF AMENDMENT 65 TO

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

ENFORCEMENT SUMMARY

THE OPERATING LICENSE REQUIRES THAT AIRBORNE PARTICULATE SAMPLES BE COLLECTED FROM FIVE SPECIFIED LOCATIONS EVERY TWO WEEKS & ANALYZED FOR GROSS BETA ACTIVITY. CONTRARY TO THE ABOVE, AS OF 9/17/82, THE AIR PARTICULATES AT AIR SAMPLING STATION #1 WERE NOT COLLECTED FROM 9/6/82 TO 9/16/82 IN THAT THIS SAMPLER WAS OUT OF SERVICE. IN ADDITION, AIR PARTICULATES WERE COLLECTED BUT NOT ANALYZED FROM 12/7/81 UNTIL 12/30/81 AT AIR SAMPLING STATIONS #2 & 3 & A, A PERIOD EXCEEDED TWO WEEKS. MONITORING REQUIREMENTS OF SEC 2.0 OF THE OYSTER CREEK ENVIRONMENTAL TECHNICAL SPECIFICATIONS (OCETS) REQUIRES THAT THE THERMAL MONITORING SYSTEM BE CALIBRATED. SEC 1.0 OF THE OCETS DEFINES CALIBRATION TO ENCOMPASS ALL ASPECTS OF THE CIRCUIT, INCLUDING THE SENSOR, INDICATING CONTROL FEATURES, ALARM, AND/OR TRIP FUNCTIONS. CONTRARY TO THE ABOVE, AS OF 9/17/82, THE PERIODIC ROUTINE THERMALMONITORING SYSTEM CALIBRATIONS PERFORMED SINCE 7/81 DID NOT INCLUDE CALIBRATION OF THE INTEGRATED SYSTEM INCLUDING THE THERMAL SENSOR (RTD). (8223 5)

TS 6.8.1 & PROCEDURE 122, REVISION 13, 7/16/82, SECURITY GUIDELINES FOR PLANT PERSONNEL, REQUIRE THAT VISITORS BE CONTINUOUSLY ESCORTED & OBSERVED WHEN IN THE PROTECTED AREA. CONTRARY TO THE ABOVE, ON 10/28/82, AT ABOUT 2:00 P.M., A VISITOR WAS LEFT UNESCORTED IN AN OFFICE WITHIN THE PROTECTED AREA. (8225 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: 50-255 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: DOROTHY PETERSON (616) 764-8913

4. Licensed Thermal Power (MWt): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	96,735.0
13. Hours Reactor Critical	744.0	5,199.8	53,923.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	4,790.5	50,994.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,841,424	11,229,528	102,636,792
18. Gross Elec Ener (MWH)	588,630	3,541,970	31,769,920
19. Net Elec Ener (MWH)	559,221	3,345,123	29,858,056
20. Unit Service Factor	100.0	54.7	52.7
21. Unit Avail Factor	100.0	54.7	52.7
22. Unit Cap Factor (MDC Net)	118.4	60.1	48.6
23. Unit Cap Factor (DER Net)	93.4	47.4	38.3
24. Unit Forced Outage Rate	.0	45.3	34.2
25. Forced Outage Hours	.0	3,969.5	12,435.8

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

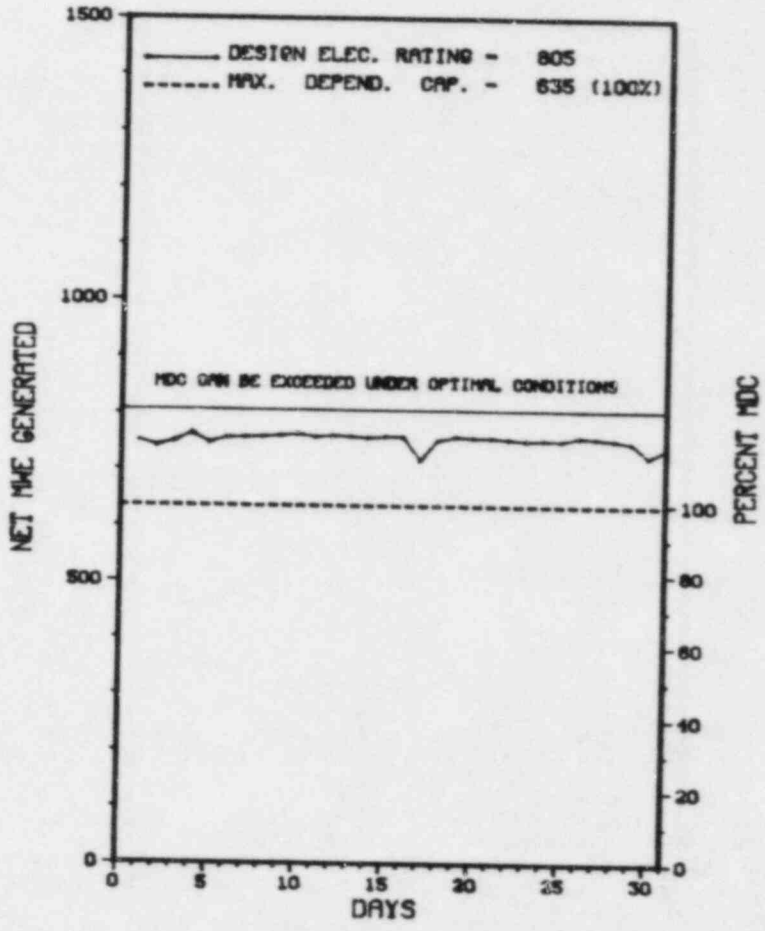
NONE

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

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

PALISADES

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

NONE

SUMMARY

PALISADES OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS REPORTED.

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

****
* PALISADES *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....VANBUREN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 24, 1971

DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971

DATE COMMERCIAL OPERATE....DECEMBER 31, 1971

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....B. JORGENSON

LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE....DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....KALAMAZOO PUBLIC LIBRARY
315 SOUTH ROSE STREET
REFERENCE DEPARTMENT
KALAMAZOO, MICHIGAN 49007

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 18, (82-27): 10 CFR 21 ACTIVITIES; PREVIOUS INSPECTION FINDINGS; AND IE BULLETIN 78-12 AND 82-02 ACTIVITIES. THIS INSPECTION INVOLVED A TOTAL OF 3 INSPECTION-HOURS ON SITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 1-30, 1982

INSPECTION REPORT NO: 82-30

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-41/ 03L-0	10/30/82	11/30/82	PCS SAMPLE REVEALED DOSE EQUIVALENT IODINE 131 EXCEEDING T.S. LIMIT BY .38 MICROCURIES PER GRAM.
82-43/ 03L-0	11/02/82	12/02/82	D SAFETY INJECTION TANK LEVEL DROPPED BELOW T.S. LIMIT OF 186 INCHES. LEVEL INDICATING SYSTEM AND ASSOCIATED ALARMS FAILED TO RESPOND TO LEVEL CHANGE.
82-44/ 01T-0	11/30/82	12/13/82	DURING REVIEW OF D/G LOADING, IT WAS FOUND THAT THE FEEDER BREAKERS AND CABLES TO MCC-1 AND MCC-2 MIGHT BE OVERLOADED FOLLOWING A LOCA IF STATION BATTERIES ARE DISCHARGED OR HYDROGEN RECOMBINERS ARE PLACED ON LINE.
82-45/ 01T-0	12/03/82	12/15/82	THE 'B' SAFETY INJECTION TANK LEVEL REACHED THE T.S. LIMIT OF 198 INCHES AND BORON CONCENTRATION SAMPLE FOUND BELOW T.S. LIMIT OF 1720 PPM.
82-46/ 03L-0	11/25/82	12/21/82	THE 'B' SAFETY INJECTION TANK LEVEL REACHED T.S. LIMIT OF 198 INCHES 7 TIMES BETWEEN 11/25/82 TO 12/06/82.
82-47/ 03L-0	11/26/82	12/21/82	ROUTINE SAMPLE OF 'D' SAFETY INJECTION TANK BORON CONCENTRATION SHOWED BORON CONCENTRATION BELOW T.S. LIMITS.

1. Docket: 50-277 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: W. M. Alden (215) 841-5022
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1051
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	74,448.0
13. Hours Reactor Critical	572.4	5,346.3	55,089.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	568.7	5,092.4	53,548.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,777,246	15,285,656	156,508,972
18. Gross Elec Ener (MWH)	586,420	5,016,740	51,520,510
19. Net Elec Ener (MWH)	557,981	4,794,414	49,385,149
20. Unit Service Factor	76.4	58.1	71.9
21. Unit Avail Factor	76.4	58.1	71.9
22. Unit Cap Factor (MDC Net)	71.4	52.1	63.1
23. Unit Cap Factor (DER Net)	70.4	51.4	62.3
24. Unit Forced Outage Rate	.0	3.1	7.7
25. Forced Outage Hours	.0	165.4	4,431.9

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

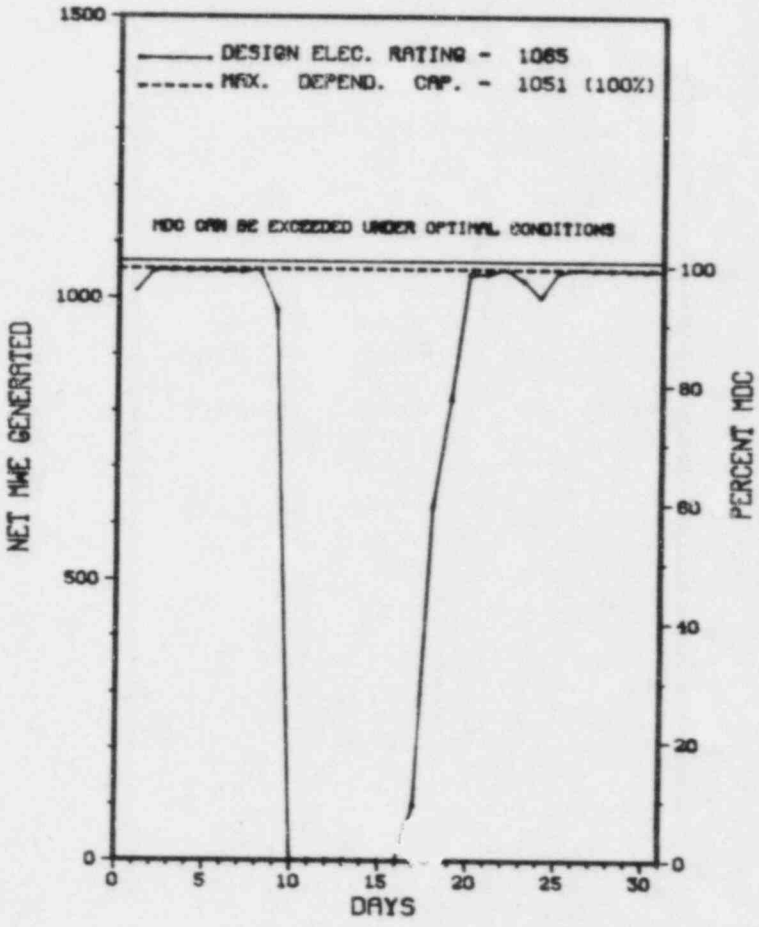
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



DECEMBER 1982

Report Period DEC 1982

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

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/09/82	S	175.3	B	1		CC	VALVEX	SHUTDOWN FOR REPAIR OF 71 "K" MAINSTEAM RELIEF VALVE.
17	12/19/82	S	0.0	H	5		RC	ZZZZZZ	LOAD REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT, DURING RISE TO POWER.
18	12/23/82	S	0.0	H	5		RC	ZZZZZZ	LOAD REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT.

****
* SUMMARY *
****

PEACH BOTTOM 2 OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973

DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974

DATE COMMERCIAL OPERATE....JULY 5, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-277

LICENSE & DATE ISSUANCE....DPR-44, DECEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
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COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 30.41(B)(5) STATES THAT "...ANY LICENSEE MAY TRANSFER BYPRODUCT MATERIAL TO ANY PERSON AUTHORIZED TO RECEIVE SUCH BYPRODUCT MATERIAL UNDER TERMS OF A SPECIFIC LICENSE...ISSUED BY...AN AGREEMENT STATE." SEC 1.2 OF REG. #61-83, "TRANSPORTATION OF RADIOACTIVE WASTE INTO OR WITHIN SOUTH CAROLINA", ISSUED BY THE SC DEPT OF HEALTH & ENVIRONMENTAL CONTROL, AN AGREEMENT STATE, STATES THAT, "ALL PERSONS SUBJECT TO THE PROVISIONS OF THIS REGULATION SHALL COMPLY WITH...ANY DISPOSAL FACILITY RADIOACTIVE MATERIAL LICENSE REQUIREMENTS REGARDING THE PACKAGING, TRANSPORTATION, DISPOSAL, STORAGE OR DELIVERY OF RADIOACTIVE MATERIALS." CONDITION 50 OF SOUTH CAROLINA LICENSE #097, AN AGREEMENT STATE LICENSE ISSUED TO CHEM-NUCLEAR SYSTEMS, INC., STATES, "THE LICENSEE SHALL NOT RECEIVE SHIPMENTS OF RADIOACTIVE MATERIALS UNLESS APPROPRIATE LIFTING DEVICES...HAVE BEEN PROVIDED & SECURELY ATTACHED TO CONTAINERS...WITHIN A CASK." CONTRARY TO THE ABOVE, ON 3/19/82, THE PHILA. ELEC. CO. TRANSFERRED 1.74 CURIES OF BYPRODUCT MATERIAL IN A LINER TO CHEM-NUCLEAR SYSTEMS, INC., AT BARNWELL, SOUTH CAROLINA, & THE LINER DID NOT HAVE ANY LIFTING DEVICES.
(8213 5)

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.14, FROM 9:45 A.M. TO 3:45 P.M. ON 10/21/82, DIESEL GENERATOR CARDOX TANK PRESSURE WAS LESS THAN 280 PSIG & NO FIRE WATCH WAS IN THE DIESEL GENERATOR AREA.
(8216 4)

CONTRARY TO TS 6.8, RG 1.33 & PROCEDURE A-8, AT 10:00 A.M. ON 9/21/82, EMERGENCY SERVICE WATER SYSTEM VALVE 519C, INLET TO THE 'C' DIESEL, LISTED ON LOCKED VALVE LIST A-8C WAS NOT LOCKED & NO RELATED OPERATIONS OR MAINTENANCE WERE IN PROGRESS. CONTRARY TO TS 6.11, HPO/CO-4 & RWP-2-94-0624, FROM ABOUT 1:10 P.M. TO 2:45 P.M., 10/12/82, 3 PERSONS IN THE UNIT 2 TORUS ROOM PERFORMING WORK GOVERNED BY RWP 2-94-0624 DID NOT HAVE ALARMING DOSIMETERS.

CONTRARY TO TS 6.8, RG 1.33 & PROCEDURE A-12-1, FROM 2:30 P.M. TO 4:00 P.M. ON 7/25/82, A FIRE WATCH POSTED AT AN INOPERABLE FIRE BARRIER BETWEEN THE CABLE SPREADING ROOM & THE RADWASTE BUILDING HAD CONCURRENT DUTIES, IN THAT HE WAS A MEMBER OF THE MINIMUM ARMED RESPONSE FORCE, REQUIRED BY THE ACCEPTED SECURITY PLAN TO BE AVAILABLE AT ALL TIMES TO RESPOND TO A SECURITY ALERT. FROM 7/24 TO 7/26/82, NO FIRE WATCH INSTRUCTION SHEET WAS COMPLETED & PROVIDED TO THE FIRE WATCH AT THE INOPERABLE FIRE BARRIER BETWEEN THE CABLE SPREADING ROOM & THE RADWASTE BUILDING. FURTHER, THE INOPERABLE BARRIER WAS NOT LOGGED ON THE FIRE SYSTEM STATUS SHEET.
(8221 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	70,344.0
13. Hours Reactor Critical	744.0	8,442.3	53,930.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	8,374.0	52,600.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,216,962	26,524,106	153,215,628
18. Gross Elec Ener (MWH)	729,450	8,852,610	50,241,530
19. Net Elec Ener (MWH)	694,904	8,532,319	48,242,792
20. Unit Service Factor	100.0	95.6	74.8
21. Unit Avail Factor	100.0	95.6	74.8
22. Unit Cap Factor (MDC Net)	90.2	94.1	66.3
23. Unit Cap Factor (DER Net)	87.7	91.5	64.4
24. Unit Forced Outage Rate	.0	4.4	7.4
25. Forced Outage Hours	.0	386.0	4,189.8

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

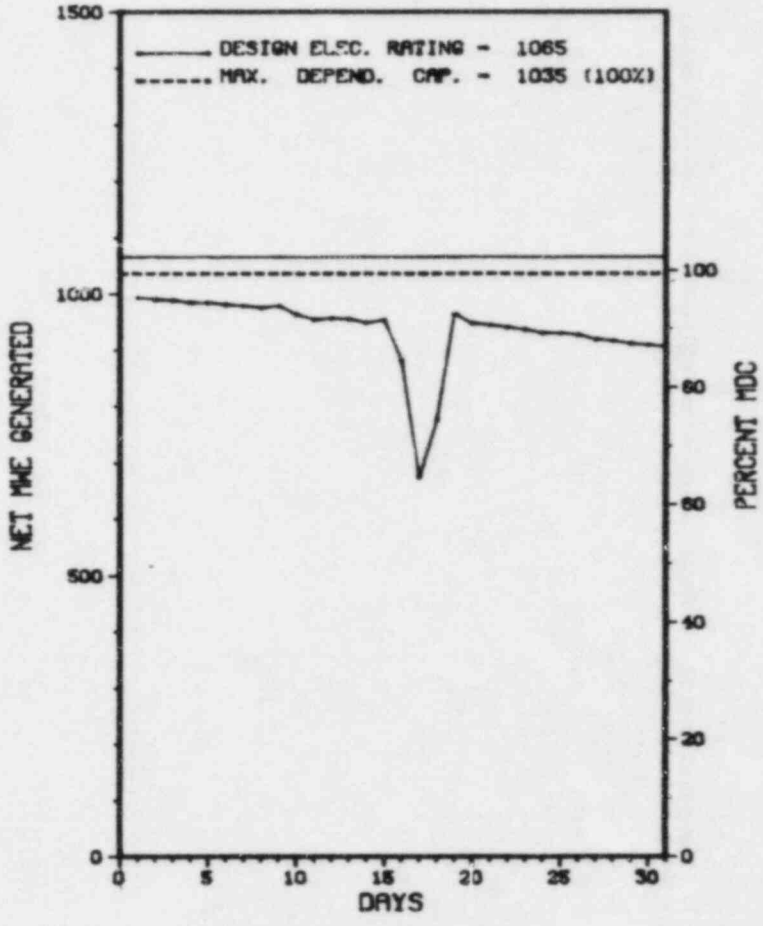
REFUELING & MAINTENANCE - 02/12/83 - 8 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



DECEMBER 1982

Report Period DEC 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	12/16/82	F	0.0	D	5		ZZ	ZZZZZZ	LOAD REDUCTION DUE TO LIMITATIONS ON ALLOWABLE RIVER TEMPERATURES DIFFERENTIAL.

****
* SUMMARY *
****

PEACH BOTTOM 3 OPERATED WITH 1 REDUCTION AND NO OUTAGES DURING DECEMBER.

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

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR..19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 7, 1974

DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974

DATE COMMERCIAL OPERATE....DECEMBER 23, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....A. BLOUGH

LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-278

LICENSE & DATE ISSUANCE....DPR-56, JULY 2, 1974

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COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 30.41(B)(5) STATES THAT "...ANY LICENSEE MAY TRANSFER BYPRODUCT MATERIAL TO ANY PERSON AUTHORIZED TO RECEIVE SUCH BYPRODUCT MATERIAL UNDER TERMS OF A SPECIFIC LICENSE...ISSUED BY...AN AGREEMENT STATE." SEC 1.2 OF REG. #61-83, "TRANSPORTATION OF RADIOACTIVE WASTE INTO OR WITHIN SC", ISSUED BY THE SC DEPT OF HEALTH & ENVIRONMENTAL CONTROL, AN AGREEMENT STATE, STATES THAT, "ALL PERSONS SUBJECT TO THE PROVISIONS OF THIS REGULATION SHALL COMPLY WITH...ANY DISPOSAL FACILITY RADIOACTIVE MATERIAL LICENSE REQUIREMENTS REGARDING THE PACKAGING, TRANSPORTATION, DISPOSAL, STORAGE OR DELIVERY OF RADIOACTIVE MATERIALS." CONDITION 50 OF SC LICENSE #097, AN AGREEMENT STATEMENT LICENSE ISSUED TO CHEM-NUCLEAR SYSTEMS, INC., STATES, "THE LICENSEE SHALL NOT RECEIVE SHIPMENTS OF RADIOACTIVE MATERIALS UNLESS APPROPRIATE LIFTING DEVICES...HAVE BEEN PROVIDED & SECURELY ATTACHED TO CONTAINERS...WITHIN A CASK." CONTRARY TO THE ABOVE, ON 3/19/82, THE PHILA ELEC CO TRANSFERRED 1.74 CURIES OF BYPRODUCT MATERIAL IN A LINER TO CHEM-NUCLEAR SYSTEMS, INC., AT BARNWELL, SC, & THE LINER DID NOT HAVE ANY LIFTING DEVICES. (8213 5)

ENFORCEMENT SUMMARY

CONTRARY TO TS 3.14, FROM 9:45 A.M. TO 3:45 P.M. ON 10/21/82, DIESEL GENERATOR CARDOX TANK PRESSURE WAS LESS THAN 280 PSIG & NO FIRE WATCH WAS IN THE DIESEL GENERATOR AREA.
(8216 4)

CONTRARY TO TS 6.8, RG 1.33 & PROCEDURE A-8, AT 10:00 A.M. ON 9/21/82, EMERGENCY SERVICE WATER SYSTEM VALVE 5 9C, INLET TO THE 'C' DIESEL, LISTED ON LOCKED VALVE LIST A-8C WAS NOT LOCKED & NO RELATED OPERATIONS OR MAINTENANCE WERE IN PROGRESS. CONTRARY TO TS 6.8, RG 1.33 & PROCEDURE A-12-1, FROM 2:30 P.M. TO 4:00 P.M. ON 7/25/82, A FIRE WATCH POSTED AT AN INOPERABLE FIRE BARRIER BETWEEN THE CABLE SPREADING ROOM & THE RADWASTE BUILDING HAD CONCURRENT DUTIES, IN THAT HE WAS A MEMBER OF THE MINIMUM ARMED RESPONSE FORCE, REQUIRED BY THE ACCEPTED SECURITY PLAN TO BE AVAILABLE AT ALL TIMES TO RESPOND TO A SECURITY ALERT. FROM 7/24 TO 7/26/82, NO FIRE WATCH INSTRUCTION SHEET WAS COMPLETED & PROVIDED TO THE FIRE WATCH AT THE INOPERABLE FIRE BARRIER BETWEEN THE CABLE SPREADING ROOM & THE RADWASTE BUILDING. FURTHER, THE INOPERABLE BARRIER WAS NOT LOGGED ON THE FIRE SYSTEM STATUS SHEET.
(8220 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-293 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: G. G. Whitney (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	8,760.0	88,200.0
13. Hours Reactor Critical	673.6	5,912.0	61,945.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	670.6	5,601.3	59,879.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,290,336	9,895,704	102,713,592
18. Gross Elec Ener (MWH)	450,950	3,415,590	34,326,824
19. Net Elec Ener (MWH)	433,985	3,287,027	32,981,511
20. Unit Service Factor	90.1	63.9	67.9
21. Unit Avail Factor	90.1	63.9	67.9
22. Unit Cap Factor (MDC Net)	87.1	56.0	55.8
23. Unit Cap Factor (DER Net)	89.1	57.3	57.1
24. Unit Forced Outage Rate	.0	6.7	9.7
25. Forced Outage Hours	.0	400.4	6,414.9

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

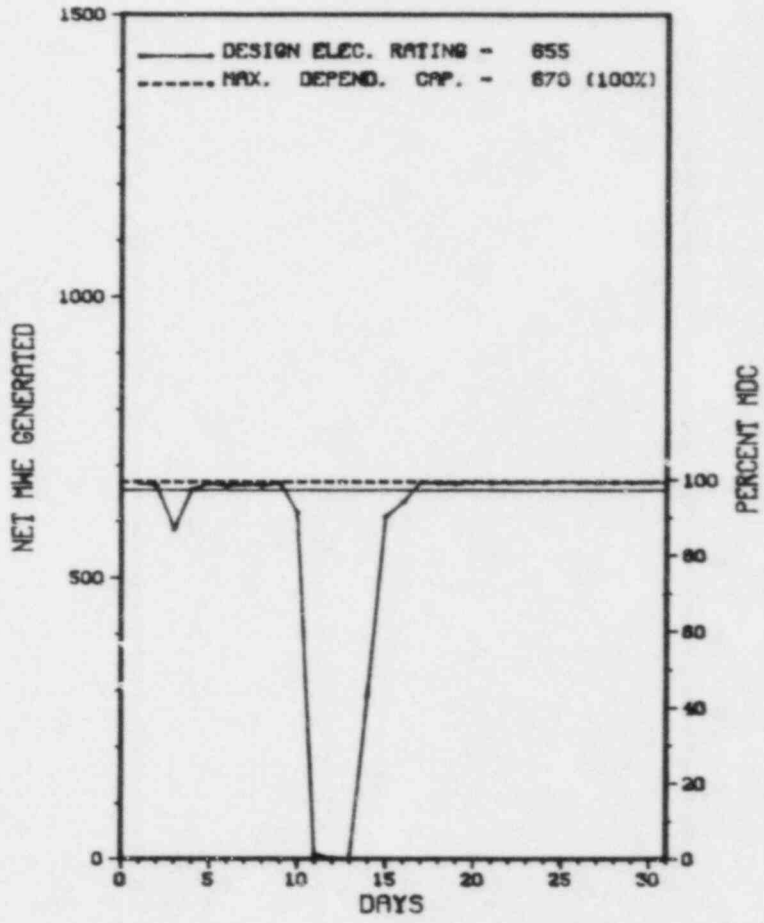
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

PILGRIM 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
30	12/11/82	S	73.4	A	1		HH	HTEXCH	REPAIRS MADE TO 4TH POINT HEATER EXPANSION JOINTS.

SUMMARY

PILGRIM 1 OPERATED WITH 1 OUTAGE ON DECEMBER 12TH FOR EQUIPMENT FAILURE.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....PLYMOUTH

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JUNE 16, 1972

DATE ELEC ENER 1ST GENER...JULY 19, 1972

DATE COMMERCIAL OPERATE....DECEMBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE COD BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON

CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. JOHNSON

LICENSING PROJ MANAGER.....K. ECCLESTON
DOCKET NUMBER.....50-293

LICENSE & DATE ISSUANCE....DPR-35, SEPTEMBER 15, 1972

PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

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

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-266 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 495

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

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 390

11. Reasons for Restrictions, If Any:

LIMIT STEAM GENERATOR TUBE CORROSION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	106,536.0
13. Hours Reactor Critical	576.7	7,219.1	87,572.3
14. Rx Reserve Shtdwn Hrs	5.3	16.7	624.0
15. Hrs Generator On-Line	534.0	7,136.1	85,108.3
16. Unit Reserve Shtdwn Hrs	1.8	29.2	793.5
17. Gross Therm Ener (MWH)	600,074	8,596,149	115,948,989
18. Gross Elec Ener (MWH)	198,360	2,854,510	38,875,790
19. Net Elec Ener (MWH)	186,047	2,701,830	36,983,038
20. Unit Service Factor	71.8	81.5	79.9
21. Unit Avail Factor	72.0	81.8	80.6
22. Unit Cap Factor (MDC Net)	50.5	62.3	71.1*
23. Unit Cap Factor (DER Net)	50.3	62.1	69.8
24. Unit Forced Outage Rate	.4	.2	2.9
25. Forced Outage Hours	2.1	14.9	2,401.4

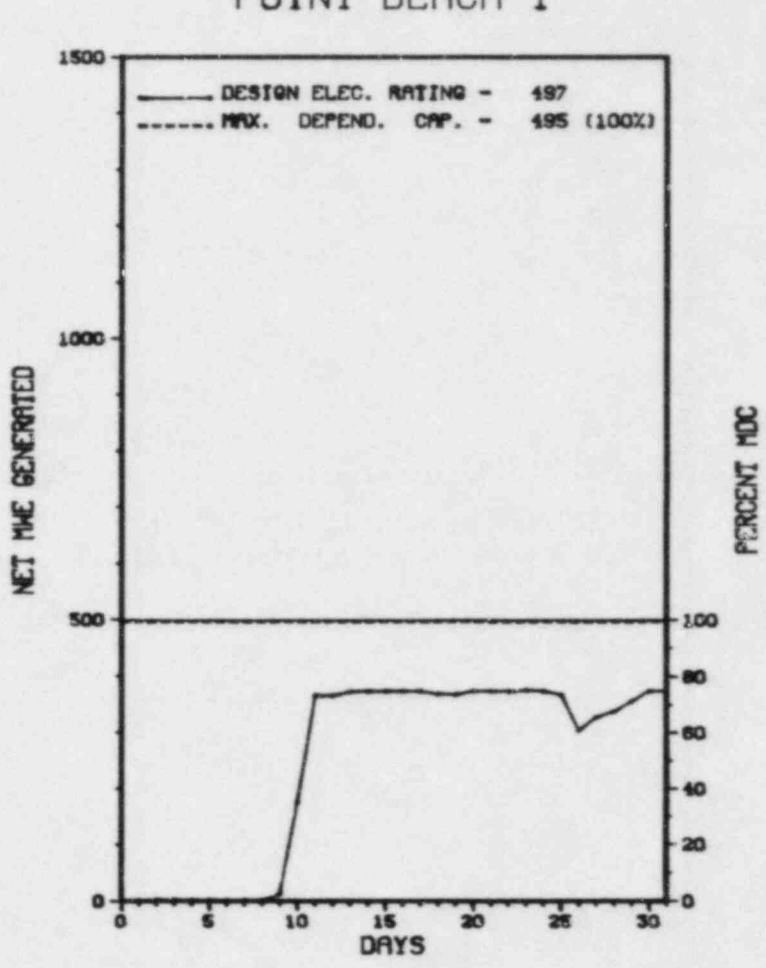
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	10/22/82	S	207.3	C	4		ZZ	ZZZZZZ	RETURNED TO POWER FOLLOWING COMPLETION OF REFUELING OUTAGE.
6	12/09/82	F	2.1	G	3		HB	ZZZZZZ	REACTOR TRIP FROM 20 MWE DUE TO A LOW-LOW TRIP SIGNAL.
7	12/10/82	S	0.6	B	9		ZZ	ZZZZZZ	UNIT REMOVED FROM SERVICE FOR OFFLINE TURBINE TESTING.

****
* SUMMARY *
****

POINT BEACH 1 RETURNED ONLINE FROM REFUELING/MAINTENANCE AND OPERATED WITH 2 ADDITIONAL OUTAGES DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 2, 1970

DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970

DATE COMMERCIAL OPERATE....DECEMBER 21, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266

LICENSE & DATE ISSUANCE....DPR-24, OCTOBER 5, 1970

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 28 THROUGH JULY 1, AND JULY 8, (82-17): THE INSPECTORS EXAMINED THE LICENSEE'S FIRE PROTECTION AND PREVENTION PROGRAM INCLUDING SURVEILLANCE AND TESTING PROCEDURES, FIRE PROTECTION ADMINISTRATIVE CONTROLS AND TRAINING, AND MANUAL FIREFIGHTING EQUIPMENT. THE INSPECTION INVOLVED 108 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. OF THE THREE AREAS INSPECTED, NO APPARENT VIOLATIONS WERE IDENTIFIED IN ONE AREA; THREE APPARENT VIOLATIONS WERE IDENTIFIED IN TWO AREAS (INADEQUATE SURVEILLANCE TESTING PROCEDURES; NONFUNCTIONAL PENETRATION FIRE BARRIER; INCOMPLETE DEVELOPMENT AND IMPLEMENTATION OF ADMINISTRATIVE CONTROLS).

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 30, (82-18): ROUTINE RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS FOLLOWUP; FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; RECEIPT OF NEW FUEL; REVIEW OF PERIODIC AND SPECIAL REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 441 INSPECTOR HOURS ONSITE BY TWO INSPECTORS INCLUDING 79 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 2, 3, AND 18, (82-22): REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS AND DATA. THE INSPECTION INVOLVED A TOTAL OF 31 INSPECTOR HOURS ONSITE BY THREE NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 15-17, (82-23): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES ASSOCIATED WITH THE REFUELING AND MAINTENANCE OUTAGE INCLUDING: RADIATION PROTECTION ORGANIZATION, RADIATION PROTECTION PROCEDURES, TRAINING,

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

INSPECTION SUMMARY

EXPOSURE CONTROL, POSTING, ACCESS CONTROL, AND INDEPENDENT MEASUREMENTS. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN STARTUP AND POWER ASCENSION AFTER A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: NOVEMBER 15-17, 1982

INSPECTION REPORT NO: 82-23

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-20/ 01T-0	11/03/82	12/27/82	DURING REFUELING, 'B' AND 'C' LEAK RATE TESTS WERE PERFORMED AND TOTAL AS-MEASURED LEAKAGE EXCEEDED T.S. LIMITS.
82-22/ 01T-0	11/11/82	12/09/82	DURING REFUELING OUTAGE, AN ANNULAR SEARCH OF STEAM GENERATOR SECONDARY SIDE INDICATED THE PRESENCE OF FOREIGN OBJECTS AND SOME TUBE DAMAGE.
82-24/ 03L-0	11/16/82	12/09/82	STEAM FLOW TRANSMITTER FT-465 WAS .177% NONCONSERVATIVE.
82-25/ 03L-0	11/17/82	12/16/82	2 OF 480V SAFEGUARDS UNDERVOLTAGE RELAYS DID NOT MEET THE 0 V TIME DELAY SPECIFICATION PER T.S.
82-26/ 01T-0	12/06/82	12/20/82	2 WESTINGHOUSE NBFD RELAYS FOUND TO HAVE EXCESSIVE DROPOUT TIMES AFTER BEING DE-ENERGIZED, CAUSING REACTOR PROTECTION RELAYS TO STAY ENERGIZED LONGER THAN DESIGNED.

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1. Docket: 50-301 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: C.W. FAY (414) 277-2811
4. Licensed Thermal Power (MWt): 1518
5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524
6. Design Electrical Rating (Net MWe): 497
7. Maximum Dependable Capacity (Gross MWe): 519
8. Maximum Dependable Capacity (Net MWe): 495
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	91,321.0
13. Hours Reactor Critical	744.0	7,667.7	82,058.1
14. Rx Reserve Shtdwn Hrs	.0	3.8	196.8
15. Hrs Generator On-Line	744.0	7,596.6	80,655.2
16. Unit Reserve Shtdwn Hrs	.0	3.2	181.2
17. Gross Therm Ener (MWH)	1,109,078	11,258,750	111,515,594
18. Gross Elec Ener (MWH)	371,920	3,778,390	37,801,400
19. Net Elec Ener (MWH)	356,151	3,605,501	35,988,967
20. Unit Service Factor	100.0	86.7	88.3
21. Unit Avail Factor	100.0	86.8	88.5
22. Unit Cap Factor (MDC Net)	96.7	83.1	80.2*
23. Unit Cap Factor (DER Net)	96.3	82.8	79.3
24. Unit Forced Outage Rate	.0	.0	1.5
25. Forced Outage Hours	.0	3.5	656.0

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

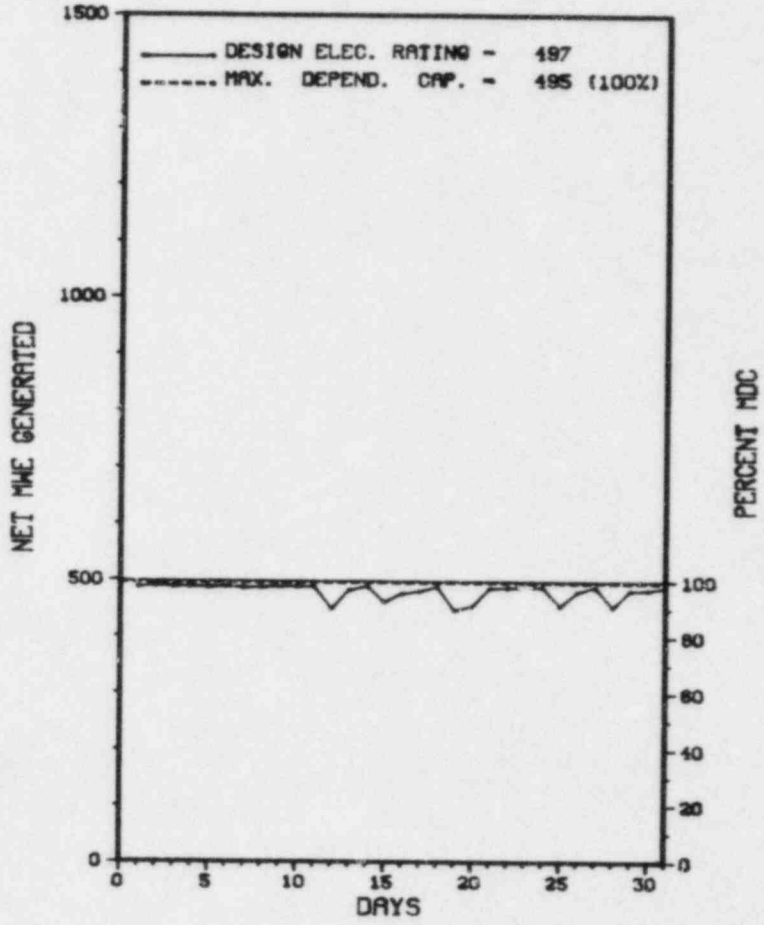
REFUELING & MAINTENANCE - 03/25/83 - 11 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

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 AT NEAR FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 30, 1972

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....R. HAGUE

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

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

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JUNE 28 THROUGH JULY 1, AND JULY 8, (82-17): THE INSPECTORS EXAMINED THE LICENSEE'S FIRE PROTECTION AND PREVENTION PROGRAM INCLUDING SURVEILLANCE AND TESTING PROCEDURES, FIRE PROTECTION ADMINISTRATIVE CONTROLS AND TRAINING, AND MANUAL FIREFIGHTING EQUIPMENT. THE INSPECTION INVOLVED 108 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. OF THE THREE AREAS INSPECTED, NO APPARENT VIOLATIONS WERE IDENTIFIED IN ONE AREA; THREE APPARENT VIOLATIONS WERE IDENTIFIED IN TWO AREAS (INADEQUATE SURVEILLANCE TESTING PROCEDURES; NONFUNCTIONAL PENETRATION FIRE BARRIER; INCOMPLETE DEVELOPMENT AND IMPLEMENTATION OF ADMINISTRATIVE CONTROLS).

INSPECTION ON AUGUST 1 THROUGH SEPTEMBER 30, (82-18): ROUTINE RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; LICENSEE EVENT REPORTS FOLLOWUP; FOLLOWUP ON PREVIOUS INSPECTION FINDINGS; RECEIPT OF NEW FUEL; REVIEW OF PERIODIC AND SPECIAL REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 441 INSPECTOR HOURS ONSITE BY TWO INSPECTORS INCLUDING 79 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 1 THROUGH NOVEMBER 30, 1982

INSPECTION REPORT NO: 82-21

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-09/01T-0	12/22/82	12/03/82	THE AXIAL FLUX DIFFERENTIAL MONITORING PROGRAM AND ALARM HAD BEEN INADVERTENTLY HALTED WITHOUT MANUALLY LOGGING THE FLUX DIFFERENTIAL AS REQUIRED BY T.S.
82-10/03L-0	11/10/82	12/15/82	DURING SURV. TESTING ALL SECONDARY BORIC ACID HEAT TRACING CIRCUITS FOUND INOP. THE SECONDARY HEAT TRACE TRANSFORMER SUPPLY BREAKER FOUND TRIPPED.

1. Docket: 50-282 OPERATING STATUS
2. Reporting Period: 12/01/82 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	8,760.0	79,272.0
13. Hours Reactor Critical	353.7	7,994.5	64,015.6
14. Rx Reserve Shtdwn Hrs	.0	14.2	5,571.1
15. Hrs Generator On-Line	325.7	7,962.0	62,756.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	455,376	12,724,955	97,942,978
18. Gross Elec Ener (MWH)	149,800	4,171,320	31,751,420
19. Net Elec Ener (MWH)	138,042	3,918,177	29,702,576
20. Unit Service Factor	43.8	90.9	79.2
21. Unit Avail Factor	43.8	90.9	79.2
22. Unit Cap Factor (MDC Net)	36.9	88.9	74.5
23. Unit Cap Factor (DER Net)	35.0	84.4	70.7
24. Unit Forced Outage Rate	.0	.2	9.5
25. Forced Outage Hours	.0	16.2	2,880.8

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

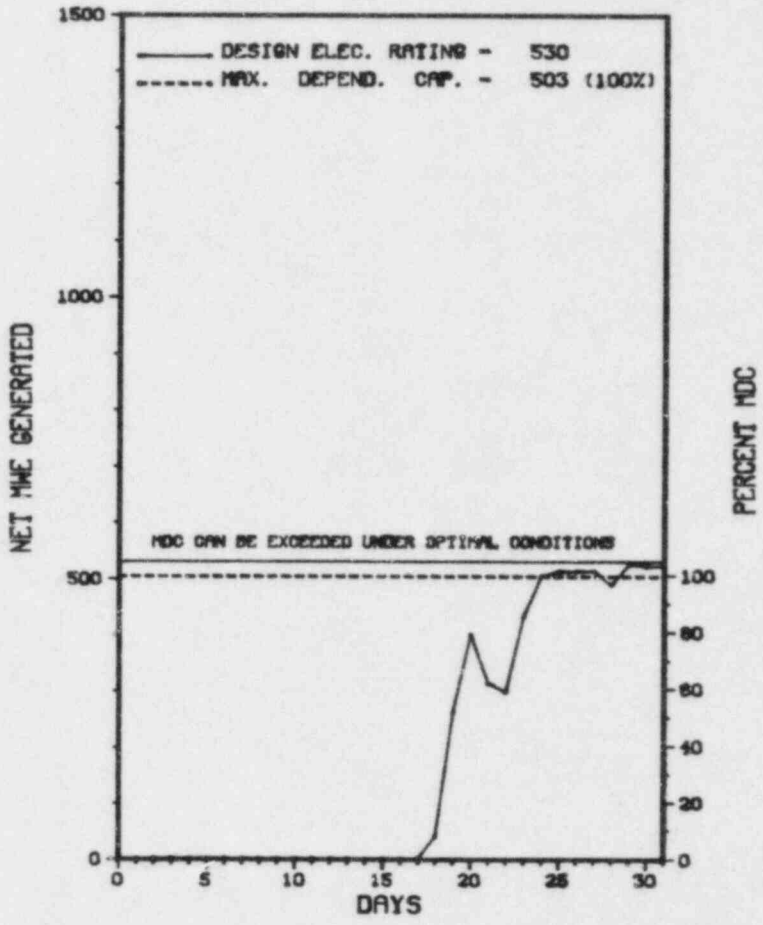
REFUELING, FALL 1983, 5 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	11/15/82	S	418.3	C	2				REFUELING OUTAGE.
	12/21/82	F	0.0	H	5	82-28			DELTA I OUT OF BAND.
	12/28/82	S	0.0	B	5				FLUX MAP - AXIAL OFFSET TEST.

****
* SUMMARY *
****

PRAIRIE ISLAND 1 RETURNED ONLINE DECEMBER 18TH FROM REFUELING AND OPERATED WITH 2 REDUCTIONS THE REMAINDER OF THE MONTH.

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

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

FACILITY DATA

Report Period DEC 1982

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.....C. FEIERABEND

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 OCTOBER 13-15 AND NOVEMBER 9, (82-18): ROUTINE, ANNOUNCED INSPECTION AND OBSERVATION OF AN EMERGENCY EXERCISE INVOLVING AN INTEGRATED RESPONSE (SMALL SCALE ONLY) FROM THE STATES OF MINNESOTA AND WISCONSIN AND FULL SCALE PARTICIPATION FROM THE LOCAL COUNTIES IN BOTH STATES. AREAS OBSERVED INCLUDED: COMMAND AND CONTROL OF THE CONTROL ROOM; TECHNICAL SUPPORT CENTER; OPERATIONS SUPPORT CENTER; EMERGENCY OPERATIONS FACILITY, JOINT PUBLIC INFORMATION CENTER; POST ACCIDENT SAMPLING AND OFFSITE RADIATION MONITORING TEAMS. THE INSPECTION INVOLVED 130 INSPECTOR-HOURS ON SITE BY THREE NRC INSPECTORS AND FOUR NRC CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED, HOWEVER, TWO SIGNIFICANT PROBLEMS REGARDING TIMELY CLASSIFICATION OF A GENERAL EMERGENCY BASED ON DEGRADED REACTOR CONDITIONS AND A POSSIBLE OVEREXPOSURE (SIMULATED) TO A PLANT EMPLOYEE DUE TO INADEQUATE ACCESS CONTROL, WERE IDENTIFIED. THESE ARE IDENTIFIED IN THE APPENDIX TO THE LETTER TRANSMITTING THIS REPORT.

INSPECTION ON NOVEMBER 26, (82-19): REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, NONDESTRUCTIVE EXAMINATION (NDE) PERSONNEL CERTIFICATIONS AND DATA; IE BULLETIN NO. 78-12 ACTIVITIES. THIS INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 1-30 (82-20): ROUTINE RESIDENT INSPECTION OF OPERATIONS SAFETY VERIFICATION, COLD WEATHER PREPARATIONS, MAINTENANCE, SURVEILLANCE, REVIEW AND AUDIT, FOLLOWUP OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF IE BULLETINGS, AND FOLLOWUP OF OPERATING EVENTS. THE INSPECTION INVOLVED 102 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 21 INSPECTOR HOURS ONSITE DURING OFF SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

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

INSPECTION SUMMARY

SAFETY EVALUATION REPORT IN NOVEMBER (82-21): ROUTINE SAFETY EVALUATION REPORT OF THE CORPORATE AND THE SITE EMERGENCY PLAN DATED OCTOBER 1982. THE INSPECTION INVOLVED 60 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE PLANS MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN STARTUP AND POWER ASCENSION AFTER COMPLETION OF A SCHEDULED REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: DECEMBER 1-30, 1982

INSPECTION REPORT NO: 82-24

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-22/ 03L-0	11/12/82	11/30/82	DURING POWER OPS, CONTROL POWER WAS LOST TO NO. 22 DIESEL COOLING WATER PUMP. PUMP INOP. FOR 4 HOURS.
82-23/ 03L-0	11/21/82	12/21/82	AT REFUELING ONE CONTAINMENT PRESSURE SENSING LINE WAS FOUND CAPPED, MAKING 1 CHANNEL OF ACTUATION LOGIC FOR MSIV CLOSURE AND CONTAINMENT SPRAY INOP.
82-26/ 03L-0	11/15/82	12/15/82	DURING SURV. TEST NO. 11 TURBINE DRIVEN AUX. FEEDWATER PUMP FAILED TO DELIVER 'FULL FLOW' OF 200 GPM TO STEAM GENERATORS.

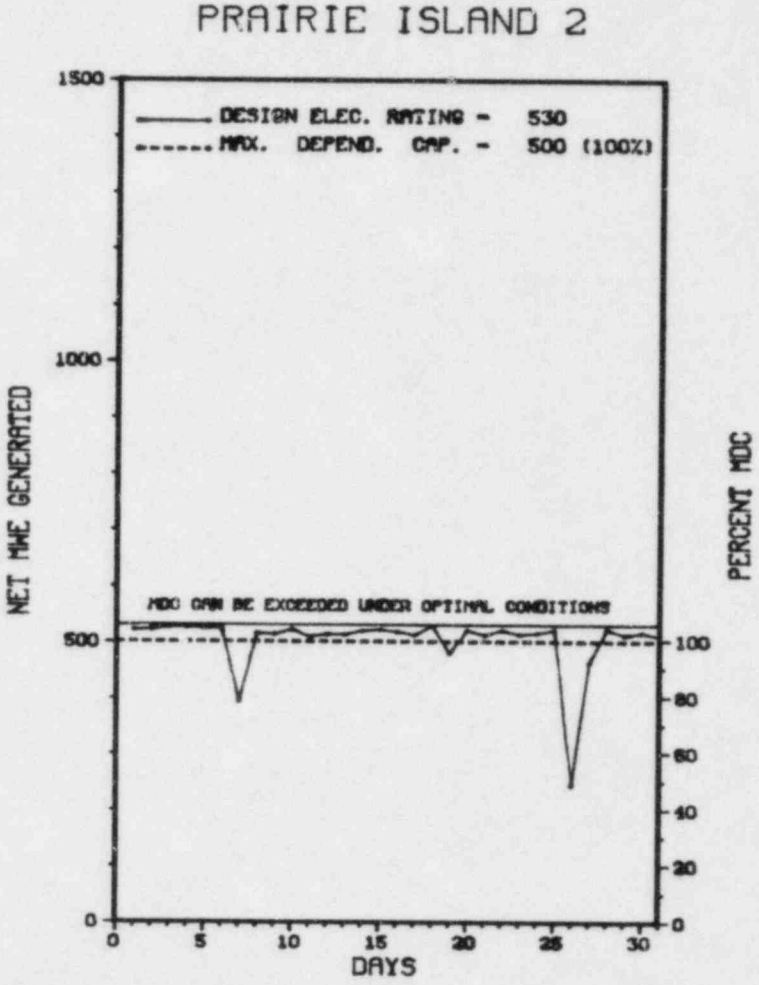
1. Docket: 50-306 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DALE DUGSTAD (612) 388-1121
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593
6. Design Electrical Rating (Net MWe): 530
7. Maximum Dependable Capacity (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	8,760.0	70,390.0
13. Hours Reactor Critical	741.8	7,872.2	60,607.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,516.1
15. Hrs Generator On-Line	740.6	7,849.0	59,715.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,189,730	12,570,603	93,817,788
18. Gross Elec Ener (MWH)	395,210	4,105,680	30,167,090
19. Net Elec Ener (MWH)	373,228	3,857,949	28,258,663
20. Unit Service Factor	99.5	89.6	84.8
21. Unit Avail Factor	99.5	89.6	84.8
22. Unit Cap Factor (MDC Net)	100.3	88.1	80.3
23. Unit Cap Factor (DER Net)	94.7	83.1	75.7
24. Unit Forced Outage Rate	.5	.7	5.0
25. Forced Outage Hours	3.4	55.0	3,311.8

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING JULY 1983, FIVE WEEKS
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	12/07/82	F	3.4	G	3				OPENED WRONG BREAKER.
	12/19/82	S	0.0	B	5				AXIAL OFFSET TEST.

****
* SUMMARY *
****

PRAIRIE ISLAND 2 OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 DEC 1982

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.....C. FEIERABEND

LICENSING PROJ MANAGER.....D. DIIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE....DPR-60, OCTOBER 29, 1974

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INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 21 THROUGH OCTOBER 31, (82-17): A ROUTINE RESIDENT INSPECTION OF PREPARATION FOR REFUELING, DRILLS AND EXERCISES, OPERATIONS SAFETY VERIFICATION, FOLLOWUP ON A FUEL OIL SPILL, FOLLOWUP ON TMI-2 LESSONS LEARNED ITEM, FOLLOWUP ON NONCOMPLIANCE ITEMS, AND FOLLOWUP ON LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 102 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 14 INSPECTOR HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: DECEMBER 1-31, 1982

INSPECTION REPORT NO: 82-24

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-24/ 03L-0	11/23/82	12/22/82	DURING SURV. TEST, AFTER D1 D/G WAS SHUT DOWN, LOCKOUT OF ENGINE SHUTDOWN CIRCUIT OCCURRED, MAKING THE ENGINE INOP. FOR ABOUT 4 MINUTES.

1. Docket: 50-254 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ERICH WEINFURTER (309) 654-2241
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	8,760.0	93,264.0
13. Hours Reactor Critical	239.0	6,072.1	75,171.2
14. Rx Reserve Shtdwn Hrs	.0	.0	3,421.9
15. Hrs Generator On-Line	178.0	5,955.0	72,085.9
16. Unit Reserve Shtdwn Hrs	.0	.0	909.2
17 Gross Therm Ener (MWH)	154,149	11,154,632	146,212,991
18. Gross Elec Ener (MWH)	59,734	3,592,944	47,121,877
19. Net Elec Ener (MWH)	50,185	3,244,824	43,828,908
20. Unit Service Factor	23.9	68.0	77.3
21. Unit Avail Factor	23.9	68.0	78.3
22. Unit Cap Factor (MDC Net)	8.8	48.2	61.1
23. Unit Cap Factor (DER Net)	8.5	46.9	59.6
24. Unit Forced Outage Rate	13.0	1.9	6.5
25. Forced Outage Hours	26.6	115.1	2,613.5

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

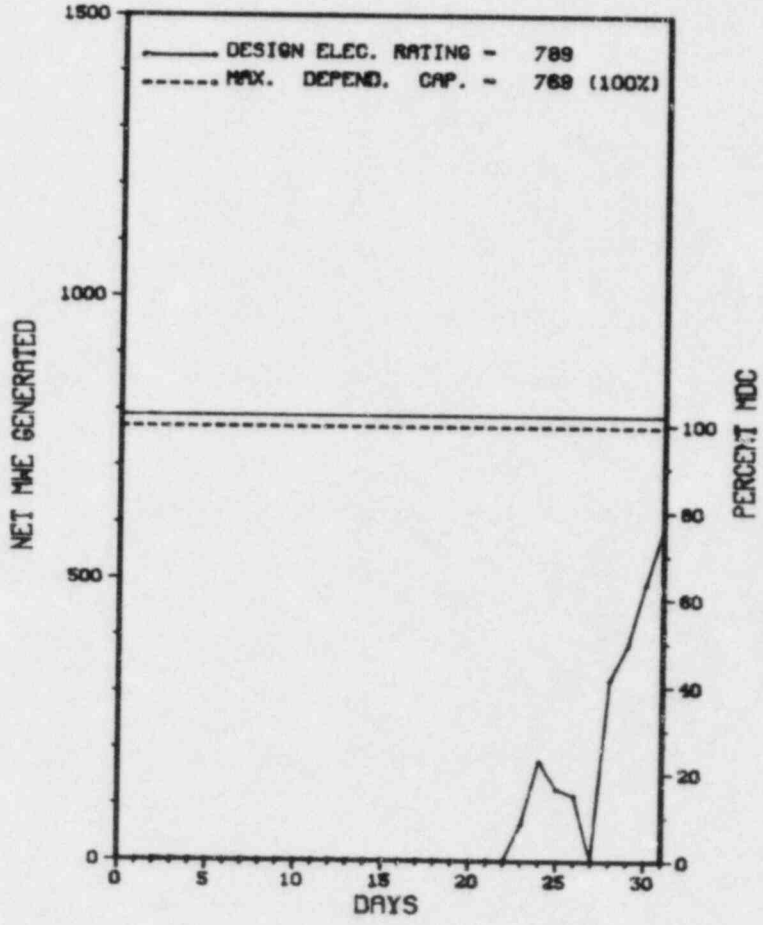
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-85	09/06/82	S	514.9	C	4		RC	FUELXX	CONTINUATION OF CYCLE SIX REFUELING OUTAGE.
82-86	12/22/82	S	24.5	B	9		CA	ZZZZZZ	TURBINE-GENERATOR TRIPPED WHILE REACTOR MAINTAINED THERMAL POWER TO DETERIORATE A RUBBER SHOE COVER IN THE REACTOR VESSEL.
82-87	12/24/82	F	0.0	A	5		IF	INSTRU	REDUCED LOAD DUE TO TRAVERSING IN-CORE PROBE PROBLEMS.
82-88	12/26/82	F	26.6	B	2		IF	INSTRU	UNIT SHUTDOWN TO PERFORM MAINTENANCE ON TRAVERSING IN-CORE PROBES.
82-89	12/29/82	F	0.0	B	5		IB	INSTRU	LOAD REDUCED TO PERFORM MAINTENANCE ON LOCAL POWER RANGE MONITOR INSTRUMENTATION.

SUMMARY

QUAD CITIES 1 RETURNED ONLINE FROM REFUELING AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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

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

FACILITY DATA

Report Period DEC 1982

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.....N. CHRISSOTIMOS

LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254

LICENSE & DATE ISSUANCE....DPR-29, DECEMBER 14, 1972

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

INSPECTION STATUS

INSPECTION SUMMARY

MANAGEMENT MEETING HELD ON JUNE 2, (82-11) TO REVIEW THE RESULTS OF THE NRC'S ASSESSMENT OF THE UTILITY'S REGULATORY PERFORMANCE (SALP) COVERING THE PERIOD OF JULY 1, 1980 THROUGH DECEMBER 31, 1981.

INSPECTION ON SEPTEMBER 8, THROUGH OCTOBER 22, (82-18): LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; INSPECTION DURING LONGTERM SHUTDOWN; MAINTENANCE - REFUELING; SURVEILLANCE - REFUELING; REFUELING ACTIVITIES; TRAINING; TECHNICAL ASSISTANCE TO THE OFFICE OF NUCLEAR REACTOR REGULATION; FOLLOWUP ON SIGNIFICANT EVENT; HIGH DENSITY FUEL RACKS; SIGNIFICANT EVENT DURING FUEL HANDLING; VESSEL INTERNAL INSPECTIONS; REACTOR SCRAM; FEEDWATER SPARGER MODIFICATION; LICENSEE EVENT REPORTS FOLLOWUP; INSPECTOR OBSERVATION OF LICENSEE'S CORRECTIVE ACTIONS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED A TOTAL OF 281 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS INCLUDING 32 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON OCTOBER 26-29, (82-21): ROUTINE, UNANNOUNCED INSPECTION OF NORMAL OPERATIONAL AND REFUELING RADIATION PROTECTION ACTIVITIES INCLUDING: STAFFING; TRAINING; RADIATION PROTECTION PROCEDURES; PLANNING, PREPARATION, AND ALARA; EXTERNAL EXPOSURE; INTERNAL EXPOSURE; POSTING AND CONTROL; MATERIAL CONTROL; EFFLUENT CONTROL INSTRUMENTATION; TESTING OF AIR CLEANING SYSTEMS; TRANSPORTATION; AND STATUS OF CERTAIN NUREG-0737 ITEMS. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

SAFETY EVALUATION REPORT - NOVEMBER (82-22): ROUTINE SAFETY EVALUATION REPORT OF THE GENERATING STATIONS EMERGENCY PLAN (GSEP) AND THE QUAD-CITIES SITE SPECIFIC ANNEX DATED NOVEMBER 1981 AND JUNE 1982 RESPECTIVELY. THE INSPECTION INVOLVED 38

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

INSPECTION SUMMARY

INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE'S GSEP AND QUAD-CITIES SITE SPECIFIC ANNEX RELATED TO EMERGENCY PREPAREDNESS AT THE QUAD-CITIES NUCLEAR GENERATING STATION, UNITS 1 AND 2 MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

INSPECTION ON NOVEMBER 15-19, (82-25): REVIEW OF NON-LICENSED PERSONNEL TRAINING PROCEDURES AND RECORDS; REVIEW OF LICENSED OPERATOR REQUALIFICATION TRAINING PROCEDURES AND RECORDS; REVIEW OF MAINTENANCE TRAINING PROGRAM AND RECORDS; REVIEW OF SURVEILLANCE RECORDS; REVIEW OF THE INSERVICE PUMP AND VALVE TESTING RECORDS AND PROGRAM; AND REVIEW OF SURVEILLANCE SCHEDULING PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 54 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: NOVEMBER 15-19, 1982

INSPECTION REPORT NO: 82-25

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-265 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: ERICH WEINFURTER (309) 654-2241

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	8,760.0	92,374.0
13. Hours Reactor Critical	744.0	7,411.6	72,263.5
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	744.0	7,347.0	69,588.1
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	1,755,870	16,704,411	144,591,494
18. Gross Elec Ener (MWH)	569,540	5,331,295	46,037,535
19. Net Elec Ener (MWH)	532,969	5,058,983	43,183,567
20. Unit Service Factor	100.0	83.9	75.3
21. Unit Avail Factor	100.0	83.9	76.1
22. Unit Cap Factor (MDC Net)	93.2	75.1	60.8
23. Unit Cap Factor (DER Net)	90.8	73.2	59.3
24. Unit Forced Outage Rate	.0	14.6	9.2
25. Forced Outage Hours	.0	1,257.4	3,161.9

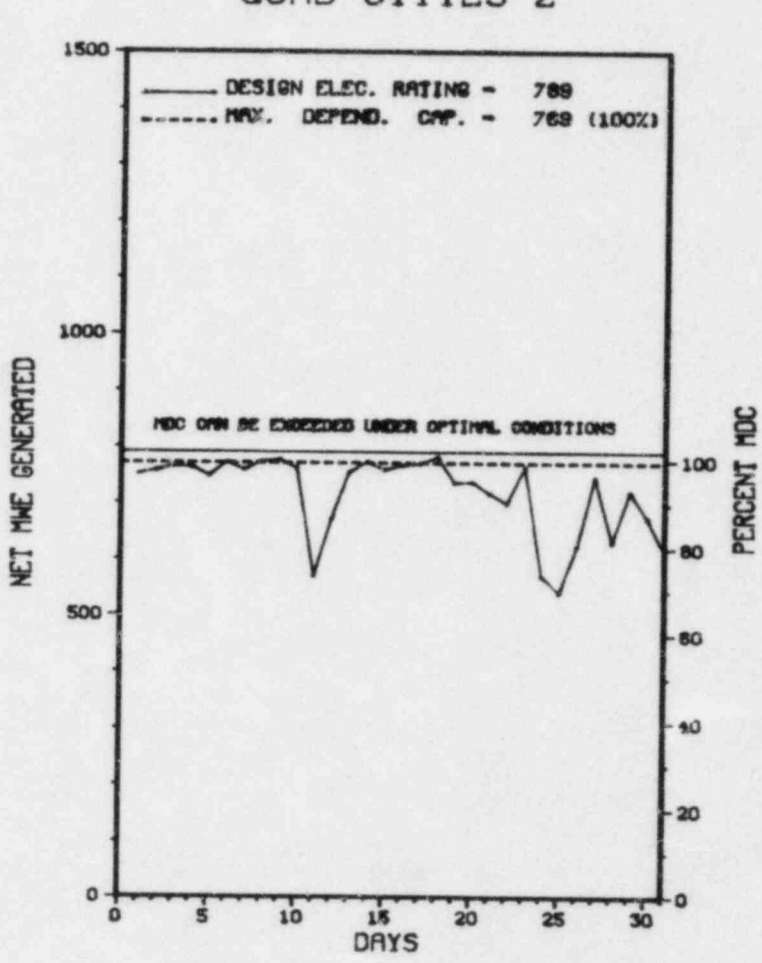
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-92	12/05/82	S	0.0	B	5		HA	XXXXXX	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
82-93	12/11/82	S	0.0	H	5		RB	CONROD	LOAD REDUCED FOR CONTROL ROD PATTERN ADJUSTMENT.
82-94	12/19/82	S	0.0	B	5		HA	XXXXXX	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
82-95	12/20/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-96	12/21/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-97	12/22/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-98	12/24/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-99	12/25/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-100	12/28/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.
82-101	12/30/82	F	0.0	H	5		HC	HTEXCH	REDUCED LOAD DUE TO HIGH CONDENSER BACKPRESSURE.
82-102	12/31/82	S	0.0	F	5		EA	ZZZZZZ	LOAD REDUCTION REQUESTED BY LOAD DISPATCHER DUE TO LOW SYSTEM DEMAND.

SUMMARY

QUAD CITIES 2 OPERATED WITH NUMEROUS REDUCTIONS AND NO OUTAGES DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

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.....N. CHRISSOTIMOS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

MANAGEMENT MEETING HELD ON JUNE 2, (82-12) TO REVIEW THE RESULTS OF THE NRC'S ASSESSMENT OF THE UTILITY'S REGULATORY PERFORMANCE (SALP) COVERING THE PERIOD OF JULY 1, 1980 THROUGH DECEMBER 31, 1981.

INSPECTION ON SEPTEMBER 8, THROUGH OCTOBER 22, (82-20): LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; INSPECTION DURING LONGTERM SHUTDOWN; MAINTENANCE - REFUELING; SURVEILLANCE - REFUELING; REFUELING ACTIVITIES; TRAINING; TECHNICAL ASSISTANCE TO THE OFFICE OF NUCLEAR REACTOR REGULATION; FOLLOWUP ON SIGNIFICANT EVENT; HIGH DENSITY FUEL RACKS; SIGNIFICANT EVENT DURING FUEL HANDLING; VESSEL INTERNAL INSPECTIONS; REACTOR SCRAM; FEEDWATER SPARGER MODIFICATION; LICENSEE EVENT REPORTS FOLLOWUP; INSPECTOR OBSERVATION OF LICENSEE'S CORRECTIVE ACTIONS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED A TOTAL OF 281 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS INCLUDING 32 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON OCTOBER 26-29, (82-23): ROUTINE, UNANNOUNCED INSPECTION OF NORMAL OPERATIONAL AND REFUELING RADIATION PROTECTION ACTIVITIES INCLUDING: STAFFING; TRAINING; RADIATION PROTECTION PROCEDURES; PLANNING, PREPARATION, AND ALARA; EXTERNAL EXPOSURE; INTERNAL EXPOSURE; POSTING AND CONTROL; MATERIAL CONTROL; EFFLUENT CONTROL INSTRUMENTATION; TESTING OF AIR CLEANING SYSTEMS; TRANSPORTATION; AND STATUS OF CERTAIN NUREG-0737 ITEMS. THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

SAFETY EVALUATION REPORT - NOVEMBER (82-24): ROUTINE SAFETY EVALUATION REPORT OF THE GENERATING STATIONS EMERGENCY PLAN (GSEP) AND THE QUAD-CITIES SITE SPECIFIC ANNEX DATED NOVEMBER 1981 AND JUNE 1982 RESPECTIVELY. THE INSPECTION INVOLVED 38

INSPECTION SUMMARY

INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE'S GSEP AND QUAD-CITIES SITE SPECIFIC ANNEX RELATED TO EMERGENCY PREPAREDNESS AT THE QUAD-CITIES NUCLEAR GENERATING STATION, UNITS 1 AND 2 MEET THE PLANNING STANDARDS OF 10 CFR 50.47(B) AND THE REQUIREMENTS OF 10 CFR 50, APPENDIX E.

INSPECTION ON NOVEMBER 15-19, (82-27): REVIEW OF NON-LICENSED PERSONNEL TRAINING PROCEDURES AND RECORDS; REVIEW OF LICENSED OPERATOR REQUALIFICATION TRAINING PROCEDURES AND RECORDS; REVIEW OF MAINTENANCE TRAINING PROGRAM AND RECORDS; REVIEW OF SURVEILLANCE RECORDS; REVIEW OF THE INSERVICE PUMP AND VALVE TESTING RECORDS AND PROGRAM; AND REVIEW OF SURVEILLANCE SCHEDULING PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 54 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT FULL POWER.

LAST IE SITE INSPECTION DATE: NOVEMBER 15-19, 1982

INSPECTION REPORT NO: 82-27

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-18/ 03L-0	10/06/82	12/01/82	EMERGENCY DIESEL GENERATOR TRIPPED ON HI TEMPERATURE 10 MINUTES AFTER LOADING.
82-23/ 03L-0	11/04/82	11/30/82	HPCI SYSTEM WAS DUE TO BE TESTED BUT THE TURBINE STOP VALVE COULD NOT BE RESET, PREVENTING TURBINE OPERATION. HPCI DECLARED INOP. ECCS TESTING INITIATED PER T.S.

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1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: JACK EDWARDS (916) 452-3211 X4137

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	8,760.0	67,561.0
13. Hours Reactor Critical	354.0	4,806.8	40,043.4
14. Rx Reserve Shtdwn Hrs	.0	2,855.2	9,313.8
15. Hrs Generator On-Line	354.0	4,669.9	38,440.3
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	661,872	10,857,521	96,752,633
18. Gross Elec Ener (MWH)	221,626	3,587,444	32,348,873
19. Net Elec Ener (MWH)	200,207	3,366,508	30,523,626
20. Unit Service Factor	47.6	53.3	56.9
21. Unit Avail Factor	47.6	53.3	58.7
22. Unit Cap Factor (MDC Net)	30.8	44.0	51.8
23. Unit Cap Factor (DER Net)	29.3	41.9	49.2
24. Unit Forced Outage Rate	52.4	12.8	29.3
25. Forced Outage Hours	390.0	686.9	15,889.6

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

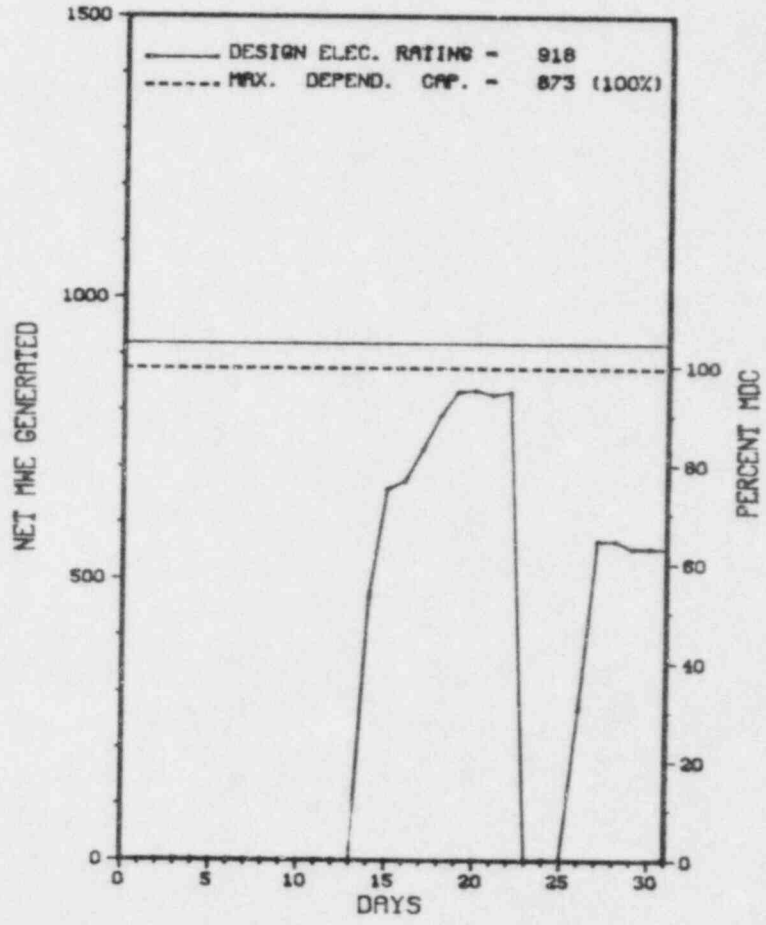
REFUELING AND TMI MODS.-FEBRUARY 1983 - 6 MONTHS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

RANCHO SECO 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	11/21/82	F	308.0	A	4	82-31	CI	HTEXCH	OTSG TUBE LEAK. TUBES PLUGGED.
16	12/22/82	F	82.0	A	3				OFFSITE POWER FAILURE.

SUMMARY

RANCHO SECO 1 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

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

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

FACILITY DATA

Report Period DEC 1982

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.....H. CANTER

LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312

LICENSE & DATE ISSUANCE....DPR-54, AUGUST 16, 1974

PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON OCTOBER 25-28 AND NOVEMBER 04, 1982 (REPORT NO. 50-312/82-37) AREAS INSPECTED: ORGANIZATION, STAFFING, AND QUALIFICATIONS; AUDITS; TRAINING; ALARA PROGRAM; RADIATION PROTECTION PROCEDURES; INTERNAL EXPOSURE CONTROL; REPORTABLE OCCURRENCE FOLLOW-UP; FACILITY TOURS; AND SIGNIFICANT EVENT FOLLOW-UP. THE INSPECTION INVOLVED 69 INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 03-19, 1982 (REPORT NO. 50-312/82-40) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF DESIGN CHANGES AND MODIFICATIONS; LICENSEE ACTIONS IN RESPONSE TO IE BULLETINS AND CIRCULARS AND PREVIOUS INSPECTION FINDINGS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 59 INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 16 - DECEMBER 10, 1982 (REPORT NO. 50-312/82-41) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 05 - DECEMBER 06, 1982 (REPORT NO. 50-312/82-42) AREAS INSPECTED: OPERATIONAL SAFETY VERIFICATION; LONG-TERM SHUTDOWN ACTIVITIES; MAINTENANCE OBSERVATIONS; SURVEILLANCE OBSERVATIONS; REVIEW OF PLANT OPERATIONS; FOLLOW-UP ON REGIONAL REQUESTS; FOLLOW-UP ON ITEMS OF NONCOMPLIANCE; LICENSEE EVENT FOLLOW-UP; FOLLOW-UP ON SIGNIFICANT EVENTS; AND INDEPENDENT

INSPECTION SUMMARY

INSPECTION EFFORT. THE INSPECTION INVOLVED 160 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 15-16, 1982 (REPORT NO. 50-312/82-43) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 07, 1982 - JANUARY 02, 1983 (REPORT NO. 50-312/82-44) AREAS INSPECTED: LONG-TERM SHUTDOWN ACTIVITIES; OPERATIONAL SAFETY VERIFICATION; MAINTENANCE OBSERVATIONS; SURVEILLANCE OBSERVATIONS; FOLLOW-UP ON REGIONAL REQUESTS; FOLLOW-UP ON HEADQUARTERS' REQUESTS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 98 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 15-19, 1982 (REPORT NO. 50-312/82-45) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

AS A RESULT OF THE INSPECTION CONDUCTED BETWEEN OCTOBER 1 AND NOVEMBER 4, 1982, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY (10 CFR PART 2, APPENDIX C), THE FOLLOWING VIOLATION WAS IDENTIFIED: RANCHO SECO TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE ACTIVITIES REFERENCED IN APPENDIX A OF REGULATORY GUIDE 1.33, NOVEMBER 1972, "TYPICAL PROCEDURES FOR PRESSURIZED WATER REACTORS AND BOILING WATER REACTORS." PARAGRAPH A.8 OF REGULATORY GUIDE 1.33, NOVEMBER 1972, APPENDIX A, REQUIRES AN ADMINISTRATIVE PROCEDURE TO COVER "LOG ENTRIES AND RECORD RETENTION." ADMINISTRATIVE PROCEDURE 23, REVISION 11, (7-8-82) REQUIRES THE SHIFT SUPERVISOR'S LOG TO INCLUDE "ALL PLANT OPERATING INFORMATION, INCLUDING, BUT NOT LIMITED TO:...4.CHANGES IN STATUS OF CRITICAL PLANT COMPONENTS, ANY SAFETY OR RADIATION HAZARDS." (STEP 3.3.2.5.4). THIS SAME PROCEDURE REQUIRES THE CONTROL OPERATORS TO "CHRONOLOGICALLY LOG ALL PLANT AND EQUIPMENT STATUS CHANGES, MAJOR ANNUNCIATOR ALARMS AND CLEARING (TIMES FOR THESE ALARMS)..." (STEPS 3.3.3.5). CONTRARY TO THE REQUIREMENTS, ON OCTOBER 16, 1982, AT ABOUT 12:46 P.M., 2:28 P.M., AND 4:55 P.M., CHANGES IN PLANT STATUS OCCURRED WHICH INDICATED A POTENTIAL RADIATION HAZARD EXISTED BUT THE STATUS CHANGE WAS NOT LOGGED IN EITHER THE SHIFT SUPERVISOR NOR THE CONTROL OPERATOR LOG. (8238 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

MR. JOHN MATTIMOE, FORMERLY ASSISTANT GENERAL MANAGER AND CHIEF ENGINEER, WAS APPOINTED TO THE SMUD GENERAL MANAGER POSITION BY THE BOARD OF DIRECTORS ON NOVEMBER 9, 1982.

PLANT STATUS:

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

OTHER ITEMS

+ THE PLANT RESUMED OPERATION ON DECEMBER 13, 1982, FOLLOWING COMPLETION OF STEAM GENERATOR TUBE LEAK REPAIRS (INVOLVING THE PLUGGING OF 2 TUBES). OPERATION CONTINUED UNTIL DECEMBER 22, 1982, WHEN STORM-RELATED TRANSMISSION LINE DAMAGE RESULTED IN A PLANT TRIP DUE TO FREQUENCY VARIATIONS ON THE GRID. FOLLOWING REPLACEMENT OF A BURNED-OUT CRD STATOR, THE PLANT RESUMED OPERATION ON DECEMBER 26, 1982, AND OPERATED AT APPROXIMATELY 50% POWER FOR THE BALANCE OF THE MONTH (LIMITED BY TRANSMISSION LINE DAMAGE).

LAST IE SITE INSPECTION DATE: 12/07/82-01/02/83+

INSPECTION REPORT NO: 50-312/82-44+

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
82-29/ 03L-0	10-26-82	10-26-82	SURVEILLANCE REQUIREMENT 4.1-1-48A NOT ADDRESSED BY PROCEDURES.
82-30/ 04T-0	11-15-82	12-07-82	DAILY CHLORINE EXCEEDED 0.2 MG/L.
82-31/ 01T-0	11-20-82	12-03-82	TUBE LEAK IN 'A' ONCE-THROUGH STEAM GENERATOR.
82-32/ 04T-0	11-26-82	12-09-82	EROSION OF STEAM BANKS, TECHNICAL SPECIFICATIONS APPENDIX B, SECTION B AND 5.6.2.

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1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: M. L. Watford (803) 383-4524

4. Licensed Thermal Power (MWt): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

NONE

10. Power Level To Which Restricted, If Any (Net MWe): 535

11. Reasons for Restrictions, If Any:

STEAM GENERATOR CONSIDERATIONS

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	103,686.0
13. Hours Reactor Critical	707.3	4,494.2	76,839.4
14. Rx Reserve Shtdwn Hrs	36.7	67.7	1,153.0
15. Hrs Generator On-Line	704.9	4,280.8	74,836.0
16. Unit Reserve Shtdwn Hrs	.0	.0	23.2
17. Gross Therm Ener (MWH)	1,297,145	7,669,165	150,764,539
18. Gross Elec Ener (MWH)	416,398	2,430,793	48,508,763
19. Net Elec Ener (MWH)	391,624	2,251,851	45,872,102
20. Unit Service Factor	94.7	48.9	72.2
21. Unit Avail Factor	94.7	48.9	72.2
22. Unit Cap Factor (MDC Net)	79.2	38.7	66.5
23. Unit Cap Factor (DER Net)	75.2	36.7	63.2
24. Unit Forced Outage Rate	5.3	7.5	14.2
25. Forced Outage Hours	39.1	345.9	6,655.7

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

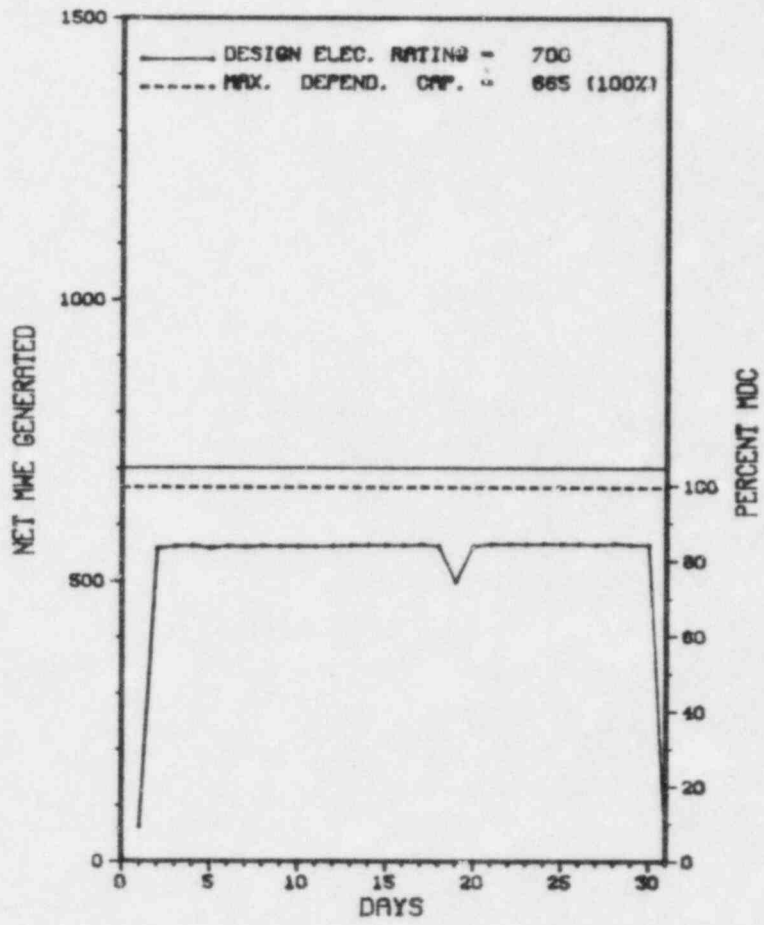
NONE

27. If Currently Shutdown Estimated Startup Date: 01/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

ROBINSON 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11-1	11/29/82	F	17.6	A	4		WC	VALVEX	S/G CHEMISTRY WAS UNACCEPTABLE DUE TO MECHANICAL FAILURE OF CAUSTIC INJECTION VALVES. THIS RESULTED IN INLEAKAGE OF SODIUM HYDROXIDE INTO THE MAKE-UP WATER SYSTEM AND FROM THERE TO THE S/G'S. THE VALVES WERE REPLACED. AS THE REACTOR WAS BEING MANUALLY SHUT DOWN FOR OUTAGE, AN AUTOMATIC TRIP OCCURRED DUE TO A SOURCE RANGE SPIKE UPON REENERGIZING, RESULTING IN REACTOR TRIP.
12-1	12/31/82	F	21.5	A	3		HB	INSTRU	A FAULTY FUSE HOLDER CAUSED THE POWER SOLENOID FOR "C" MSIV TO DE-ENERGIZE CLOSING THE MSIV WHICH CAUSED A LOW-LOW LEVEL IN "C" S/G AND SUBSEQUENT UNIT TRIP.

SUMMARY

ROBINSON 2 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

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

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....DARLINGTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970

DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970

DATE COMMERCIAL OPERATE....MARCH 7, 1971

CONDENSER COOLING METHOD...RECIRCULATION

CONDENSER COOLING WATER....ROBINSON IMPOUNDMENT

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....S. WEISE

LICENSING PROJ MANAGER.....G. REQUA
DOCKET NUMBER.....50-261

LICENSE & DATE ISSUANCE....DPR-23, SEPTEMBER 23, 1970

PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 11 - NOVEMBER 10 (82-37): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 132 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE CIRCULAR AND NOTICE FOLLOWUP, ENFORCEMENT ACTION FOLLOWUP, PROCEDURES REVIEW, ON SITE SAFETY COMMITTEE REVIEW, CORRECTIVE ACTION SYSTEMS, AND ANNUAL EMERGENCY EXERCISE. OF THE 17 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 15 AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS. (FAILURE TO REPORT INADEQUATE EQUIPMENT CONTROL); ONE APPARENT DEVIATION WAS FOUND IN ONE AREA (FAILURE TO INSTALL LOW PRESSURE ALARM).

INSPECTION NOVEMBER 10 (82-40): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE MATERIAL SHIPMENTS. OF THE ONE AREA INSPECTED, ONE APPARENT VIOLATION WAS FOUND.

INSPECTION (82-43): AN ENFORCEMENT CONFERENCE WAS HELD IN THE REGION II OFFICE ON DECEMBER 22, 1982. THE REGIONAL ADMINISTRATOR OPENED THE MEETING BY DISCUSSING ENFORCEMENT ISSUES RESULTING FROM SEVERAL ITEMS RELATING TO THE SAFE OPERATION OF THE ROBINSON AND BRUNSWICK SITES. FOLLOWING THE OPENING REMARKS, THE LICENSEE PRESENTED A GENERAL OVERVIEW OF CP&L'S ACTIVITIES, PROBLEMS, AND THE IMPROVEMENT PLANS FOR THE FACILITIES. THE REGIONAL ADMINISTRATOR ITEMIZED THE ISSUES AND CONCERNS OF THE NRC.

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATIONS 6.5.3.2.D(5), 6.5.3.2.D(7), AUDITS OF THE EMERGENCY PLAN AND IMPLEMENTING PROCEDURES WERE NOT PERFORMED WITHIN THE REQUIRED FREQUENCY. CONTRARY TO TECHNICAL SPECIFICATION 6.5.4.2 AND INSPECTION AND AUDIT OF THE FACILITY FIRE PROTECTION PROGRAM AND IMPLEMENTING PROCEDURES WAS NOT PERFORMED BY AN INDEPENDENT OUTSIDE CONTRACTOR AT LEAST EVERY 36 MONTHS. CONTRARY TO ANSI N45.2.12-1977 PARAGRAPH 4.5.1, LICENSEE'S PROCEDURE CQAD80-1 PARAGRAPH 6.6.1 AND 10CFR50, APPENDIX "B", CRITERION V, AUDITS QAA/20-23 AND 20-27 WERE NOT RESPONDED TO WITHIN 30 DAYS OF RECEIPT OF THE AUDITS.
(8233 4)

CONTRARY TO TECHNICAL SPECIFICATION 6.5.3.4, AUDITS QAA/20-27 AND 20-28, WERE NOT DISTRIBUTED TO MANAGEMENT WITHIN 30 DAYS AFTER COMPLETION OF THE AUDITS.

CONTRARY TO 10CFR50, APPENDIX "B", CRITERION V AND LICENSEE PROCEDURE CQAD 80-1, FINDING 3 OF AUDIT QAA/20-28 WAS IDENTIFIED AS A CONCERN INSTEAD OF A NONCONFORMANCE. CONTRARY TO 10CFR50, APPENDIX "B", CRITERION XVII AND ANSI N45.2.9-1974, RECORDS WERE NOT STORED ON SHELVING IN THE VAULT.
(8233 5)

TECHNICAL SPECIFICATION 6.13.1, REQUIRES THAT ANY INDIVIDUAL OR GROUP OF INDIVIDUALS PERMITTED TO ENTER HIGH RADIATION AREAS SHALL BE PROVIDED WITH A RADIATION MONITORING DEVICE WHICH CONTINUOUSLY INDICATES THE RADIATION DOSE RATE IN THE AREA. ALSO, EACH HIGH RADIATION AREA IN WHICH THE INTENSITY OF RADIATION IS GREATER THAN 1000 MREM/HR. SHALL BE PROVIDED WITH LOCKED DOORS TO PREVENT UNAUTHORIZED ENTRY INTO SUCH AREAS. CONTRARY TO THE ABOVE, CONTROLS FOR HIGH RADIATION AREAS WERE NOT ADEQUATELY ESTABLISHED IN THAT: 1. ON SEPTEMBER 27, 1982, AN INDIVIDUAL WAS OBSERVED COMING OUT OF THE "B" WASTE EVAPORATION ROOM WITHOUT A DOSE RATE INSTRUMENT. THE INSTRUMENT WAS OBSERVED TO BE OUTSIDE THE HIGH RADIATION AREA. 2. ON SEPTEMBER 27, 1982, A LADDER WAS OBSERVED LEANING AGAINST A SHIELD WALL AND PROVIDED A PATH FOR UNAUTHORIZED ENTRY INTO AN AREA WITH RADIATION INTENSITY GREATER THAN 1000 MREM/HR. 10CFR20.103(A)(3), REQUIRES THAT FOR THE PURPOSE OF DETERMINING COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION THE LICENSEE SHALL USE SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR FOR DETECTING AND EVALUATING AIRBORNE RADIOACTIVITY IN RESTRICTED AREAS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT PERFORM SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIALS IN THE AIR IN THAT ON SEPTEMBER 29-30, 1982, THE FLOOR AROUND THE SPENT FUEL POOL WAS DECONTAMINATED. THE POTENTIAL EXISTED FOR AIRBORNE CONTAMINATION YET NO AIR SAMPLE WAS TAKEN DURING THE WORK EFFORT IN ORDER TO EVALUATE THE POTENTIAL HAZARD. 10CFR20.203(C)(3), REQUIRES THAT HIGH RADIATION AREA CONTROLS BE ESTABLISHED IN SUCH A WAY THAT NO INDIVIDUAL WILL BE PREVENTED FROM LEAVING A HIGH RADIATION AREA. CONTRARY TO THE ABOVE, HIGH RADIATION AREA CONTROLS WERE NOT ESTABLISHED IN SUCH A WAY THAT AN INDIVIDUAL COULD LEAVE A HIGH RADIATION AREA IN THAT, ON SEPTEMBER 27, 1982, THE DOOR PROVIDING ACCESS TO THE "C" WASTE EVAPORATOR ROOM WAS SECURED WITH A PADLOCK WHICH WOULD PREVENT AN INDIVIDUAL FROM LEAVING THE AREA IF THE PADLOCK WAS INADVERTENTLY LOCKED WHILE THE INDIVIDUAL WAS IN THE HIGH RADIATION AREA. 10CFR20.301, REQUIRES THAT NO LICENSEE DISPOSE OF LICENSED MATERIAL EXCEPT: (A) BY TRANSFER TO AN AUTHORIZED RECIPIENT AS PROVIDED IN PARTS 30, 40, 70 OR 72 OR TITLE 10 TO THE CODE OF FEDERAL REGULATIONS; (B) AS AUTHORIZED PURSUANT TO 10CFR20.302; OR (C) AS PROVIDED IN 10CFR20.303 (DISPOSED OF BY RELEASE INTO SANITARY SYSTEMS); OR 10CFR20.106 (RADIOACTIVITY IN EFFLUENTS TO UNRESTRICTED AREAS). CONTRARY TO THE ABOVE, LICENSED MATERIAL WAS DISPOSED OF IN A MANNER NOT SPECIFICALLY AUTHORIZED IN THE REGULATIONS AND WITHOUT PRIOR COMMISSION APPROVAL IN THAT BETWEEN APRIL 22 AND MAY 30, 1982, THE LICENSEE DISPOSED OF APPROXIMATELY 1.2 MICROCURIES OF CO-60 IN WASTE OIL BY TRANSFER TO AN UNAUTHORIZED RECIPIENT.
(8234 4)

TECHNICAL SPECIFICATION 6.5.1.1.1, REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING APPLICABLE PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, REV. 2, FEBRUARY 1978. CONTRARY TO THE ABOVE, WRITTEN PROCEDURES WERE NOT ESTABLISHED, IMPLEMENTED AND MAINTAINED IN THAT: 1. PERSONNEL CONTAMINATION RECORDS WERE NOT REVIEWED BY A RADIATION CONTROL FOREMAN OR THE ENVIRONMENTAL AND RADIATION CONTROL SUPERVISOR AS REQUIRED BY HEALTH PHYSICS PROCEDURE HP-28. 2. THE HOT MACHINE SHOP CONTAINED EQUIPMENT WITH LOOSE CONTAMINATION AND WAS NOT POSTED AS A CONTAMINATED PROCESS EQUIPMENT AREA AS REQUIRED BY HEALTH PHYSICS PROCEDURE HP1.1. 3. NO PROCEDURE WAS ESTABLISHED FOR THE RELEASE OF WASTE OIL FROM UNIT 2.
(8234 5)

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

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.13.1A, REQUIRES THAT INDIVIDUALS ENTERING HIGH RADIATION AREAS HAVE CONTINUOUS DOSE RATE MONITORING DEVICES. CONTRARY TO THE ABOVE, A MECHANIC ENTERED A HIGH RADIATION AREA WITHOUT A SURVEY METER.
(8235 5)

CONTRARY TO THE REQUIREMENTS OF 10CFR50, APPENDIX "B", CRITERION V, AND THE ACCEPTED QA PROGRAM, INSTRUCTIONS ISSUED TO COMPLETE IEB 80-11 REQUIREMENTS WERE NOT APPROPRIATE TO ASSURE THAT ALL MASONRY WALLS IN PROXIMITY OF SAFETY-RELATED EQUIPMENT WERE IDENTIFIED.
(8236 5)

10CFR30.41(A) FORBIDS A LICENSEE TO TRANSFER ITS LICENSED MATERIAL EXCEPT UNDER CERTAIN SPECIFIED CONDITIONS. 10CFR71.31 REQUIRES A LICENSEE WHO DELIVERS ANY LICENSED MATERIAL FOR TRANSPORT OUTSIDE THE CONFINES OF HIS PLANT, TO USE PACKAGING OF A MATERIAL AND CONSTRUCTION SUCH THAT THERE WILL BE NO SIGNIFICANT CHEMICAL REACTION BETWEEN THE PACKAGING COMPONENTS AND THE PACKAGE CONTENTS. CONTRARY TO THE ABOVE, ON NOVEMBER 2, 1982, THE LICENSEE TRANSFERRED LOW SPECIFIC ACTIVITY RADIOACTIVE WASTE (BY CP&L SHIPMENT NO. D93-82) UNDER CONDITIONS NOT PERMITTED UNDER 10CFR30.41. SPECIFICALLY, THE LICENSEE SHIPPED LIQUID RADIOACTIVE WASTE TO A PERSON (CHEM-NUCLEAR SYSTEMS, INC.) WHOSE AGREEMENT STATE LICENSE (SOUTH CAROLINA RADIOACTIVE MATERIAL LICENSE NO. 097) PROHIBITS ACCEPTANCE OF LIQUID RADIOACTIVE WASTE. FURTHER, THE LIQUID RADIOACTIVE WASTE WAS CORROSIVE AND A SIGNIFICANT CHEMICAL REACTION OCCURRED BETWEEN THE PACKAGES AND THEIR CONTENTS RESULTING IN LEAKAGE FROM TWO PACKAGES (55-GALLON DRUMS).
(8240 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION AT POWER.

LAST IE SITE INSPECTION DATE: NOVEMBER 11 - DECEMBER 10, 1982 +

INSPECTION REPORT NO: 50-261/82-41 +

REPORTS FROM LICENSEE

ROBINSON 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-013/ 03L-0	09/23/82	10/22/82	SERVICE WATER PUMP FAILED TO RESTART DUE TO FAILED CONTROL POWER FUSES PROBABLY THE RESULT OF FUSE FATIGUE
82-015/ 03L-0	10/19/82	11/17/82	COMPARATOR FOUND INOPERABLE TESTING OF THE DEFECTIVE UNIT HAS NOT DETERMINED CAUSE OF FAILURE
82-017/ 01L-0	11/04/82	11/17/82	ISOLATION VALVE SEAL TANK ISOLATION VALVE, CLOSE IMMEDIATELY OPENED, AND A VALVE LINEUP PERFORMED TO VERIFY VALVE POSITIONS

1. Docket: 50-272 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: L. K. MILLER (609) 365-7000 X507
4. Licensed Thermal Power (MWt): 3338
5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170
6. Design Electrical Rating (Net MWe): 1090
7. Maximum Dependable Capacity (Gross MWe): 1124
8. Maximum Dependable Capacity (Net MWe): 1079
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	48,265.0
13. Hours Reactor Critical	.0	4,285.0	27,725.1
14. Rx Reserve Shtdwn Hrs	.0	82.0	973.1
15. Hrs Generator On-Line	.0	4,194.4	26,647.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	3,075,848	79,170,195
18. Gross Elec Ener (MWH)	0	4,310,470	25,964,850
19. Net Elec Ener (MWH)	-2,862	4,094,731	24,594,853
20. Unit Service Factor	.0	47.9	55.2
21. Unit Avail Factor	.0	47.9	55.2
22. Unit Cap Factor (MDC Net)	.0	43.3	47.2
23. Unit Cap Factor (DER Net)	.0	42.9	46.8
24. Unit Forced Outage Rate	.0	6.8	27.9
25. Forced Outage Hours	.0	308.0	10,593.3

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

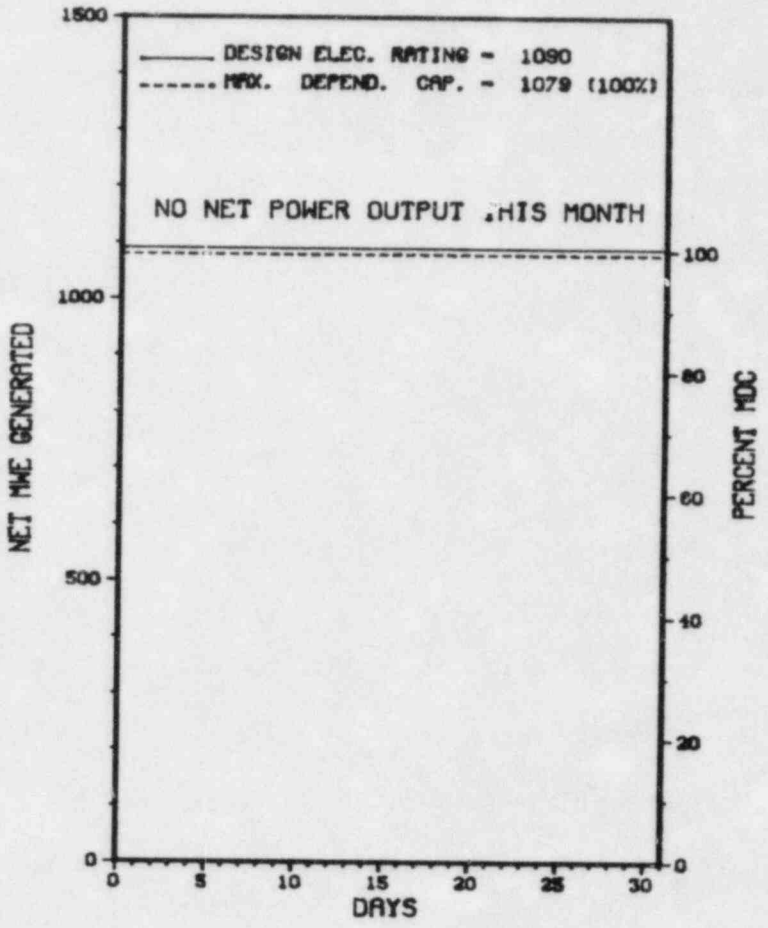
NONE

27. If Currently Shutdown Estimated Startup Date: 01/30/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-536	10/15/82	S	600.0	C	4		HA	GENERA	REFUELING & MAINTENANCE CONTINUES.
82-538	12/25/82	S	144.0	B	9		HC	HTEXCH	NUCLEAR CLOSED COOLING HEAT EXCHANGERS.

****
* SUMMARY *
****

SALEM 1 REMAINED SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

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.....L. NORRHOLM

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272

LICENSE & DATE ISSUANCE....DPR-70, DECEMBER 1, 1976

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112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO INSURE AN OPENING DID NOT DEGRADE THE INTEGRITY OF A VITAL BARRIER.
(8215 3)

FAILURE TO OBTAIN PRIOR APPROVAL FOR A CHARGE WHICH DEGRADED THE EFFECTIVENESS OF THE SECURITY PLAN.

FAILURE TO MEET .2 FOOT CANDLES OF ILLUMINATION IN THE PROTECTED AREA & FAILURE TO TAKE COMPENSATORY MEASURES. FAILURE TO POSITIVELY CONTROL ACCESS TO THE PROTECTED AREA. FAILURE TO CONTROL VEHICLES IN THE PROTECTED AREA.

(8215 4)

CONTRARY TO TS 4.0.3 & 3.3.3.6, ON 10/25/82, NO FUNCTIONAL TESTS OF THE FIRE DETECTION INSTRUMENTATION FOR THE ZONES "IODINE REMOVAL SYSTEM" & "PRESSURE RELIEF SYSTEM" FOR GREATER THAN 6 MONTHS & NO COMPENSATORY MEASURES HAD BEEN INITIATED.
(8227 4)

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.0.2, AS OF 10/26/82, THE FOLLOWING SURVEILLANCE REQUIREMENTS HAD NOT BEEN PERFORMED WITHIN THEIR RESPECTIVE SPECIFIED SURVEILLANCE INTERVALS: I. 4.4.7.2 D. PERFORMANCE OF REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE (UNIT 2). PERFORMED SATISFACTORILY ON 10/20/82 AT 7:53 A.M., WAS DUE 10/19/82 AT 11:00 P.M. (INCLUDES 25% EXTENSION). II. 4.4.7.2 D. PERFORMANCE OF REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE (UNIT 2). PERFORMED SATISFACTORILY ON 10/26/82 AT 11:52 A.M., WAS DUE 10/25/82 AT 10:10 P.M. (DETERMINED BY 3:25 TIMES SPECIFIED INTERVAL). III. 4.1.1.2 B. PERFORMANCE OF SHUTDOWN MARGIN CALCULATION AT LEAST ONCE PER 24 HRS WHEN IN MODE 5 (UNIT 1). PERFORMED SATISFACTORILY ON 10/18/82 AT 9:00 P.M., WAS DUE 10/18/82 AT 3:15 P.M. (INCLUDES 25% EXTENSION).

(8227 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: 50-311 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: L. K. MILLER (609) 365-7000
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:

*

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	10,681.0
13. Hours Reactor Critical	744.0	8,596.3	10,455.6
14. Rx Reserve Shtdwn Hrs	.0	36.5	36.5
15. Hrs Generator On-Line	744.0	8,519.5	10,337.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,872,773	25,408,530	30,516,549
18. Gross Elec Ener (MWH)	597,990	8,307,380	10,016,250
19. Net Elec Ener (MWH)	567,422	7,941,580	9,573,647
20. Unit Service Factor	100.0	97.3	96.8
21. Unit Avail Factor	100.0	97.3	96.8
22. Unit Cap Factor (MDC Net)	69.0	82.0	81.0
23. Unit Cap Factor (DER Net)	68.4	81.3	80.4
24. Unit Forced Outage Rate	.0	2.7	3.2
25. Forced Outage Hours	.0	240.5	343.8

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

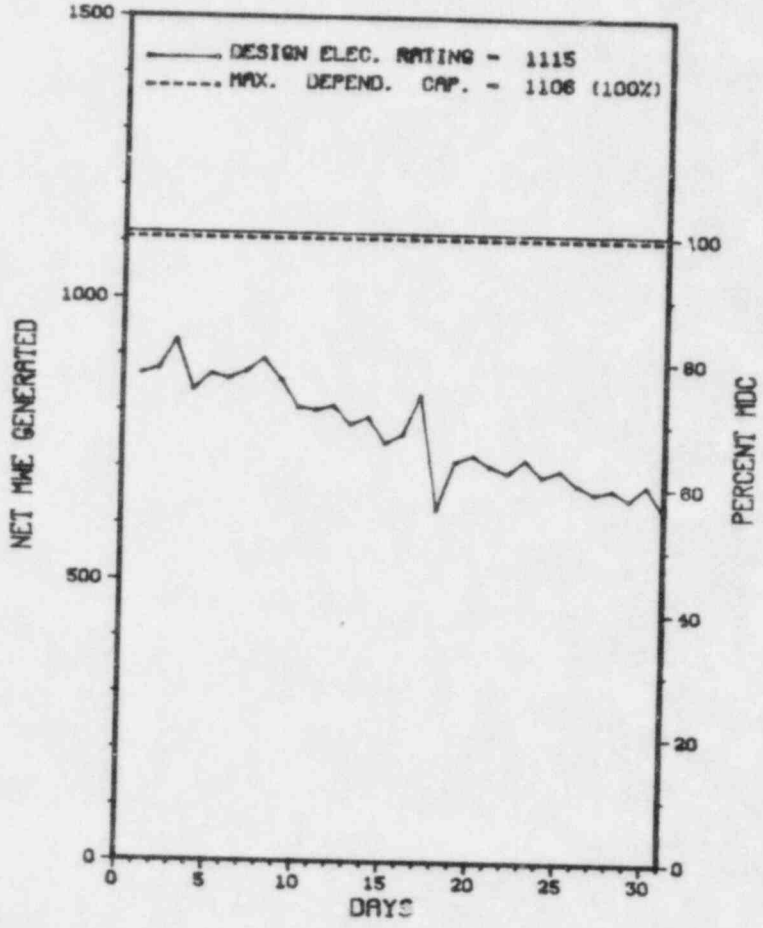
REFUELING OUTAGE, JANUARY 22, 1983, 18 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SALEM 2

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

SUMMARY

SALEM 2 OPERATED ROUTINELY DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Cortinued	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.....L. NORRHOLM

LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE....DPR-75, MAY 20, 1981

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112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO INSURE AN OPENING DID NOT DEGRADE THE INTEGRITY OF A VITAL BARRIER.
(8215 3)

FAILURE TO OBTAIN PRIOR APPROVAL FOR A CHARGE WHICH DEGRADED THE EFFECTIVENESS OF THE SECURITY PLAN.

FAILURE TO MEET .2 FOOT CANDLES OF ILLUMINATION IN THE PROTECTED AREA & FAILURE TO TAKE COMPENSATORY MEASURES. FAILURE TO POSITIVELY CONTROL ACCESS TO THE PROTECTED AREA. FAILURE TO CONTROL VEHICLES IN THE PROTECTED AREA.

(8215 4)

CONTRARY TO TS 4.0.3 & 3.3.3.6, ON 10/25/82, NO FUNCTIONAL TESTS OF THE FIRE DETECTION INSTRUMENTATION FOR THE ZONES "IODINE REMOVAL SYSTEM" & "PRESSURE RELIEF SYSTEM" FOR GREATER THAN 6 MONTHS & NO COMPENSATORY MEASURES HAD BEEN INITIATED.
(8226 4)

ENFORCEMENT SUMMARY

CONTRARY TO TS 4.0.2, AS OF 10/26/82 THE FOLLOWING SURVEILLANCE REQUIREMENTS HAD NOT BEEN PERFORMED WITHIN THEIR RESPECTIVE SPECIFIED SURVEILLANCE INTERVALS: I. 4.4.7.2 D. PERFORMANCE OF REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE (UNIT 2). PERFORMED SATISFACTORILY ON 10/20/82 AT 7:53 A.M., WAS DUE 10/19/82 AT 11:00 P.M. (INCLUDES 25% EXTENSION). II. 4.4.7.2 D. PERFORMANCE OF REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE (UNIT 2). PERFORMED SATISFACTORILY ON 10/26/82 AT 11:52 A.M., WAS DUE 10/25/82 AT 10:10 P.M. (DETERMINED BY 3.25 TIMES SPECIFIED INTERVAL). III. 4.1.1.2 B. PERFORMANCE OF SHUTDOWN MARGIN CALCULATION AT LEAST ONCE PER 24 HOURS WHEN IN MODE 5 (UNIT 1). PERFORMED SATISFACTORILY ON 10/18/82 AT 9:00 P.M., WAS DUE 10/18/82 AT 3:15 P.M. (INCLUDES 25% EXTENSION).
(8226 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: 50-206 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: MARTY SPEER (714) 492-7700

4. Licensed Thermal Power (MWt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	136,280.0
13. Hours Reactor Critical	.0	1,374.2	88,440.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,372.3	84,821.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	1,585,041	108,263,946
18. Gross Elec Ener (MWH)	0	540,000	36,906,434
19. Net Elec Ener (MWH)	0	510,223	34,953,054
20. Unit Service Factor	.0	15.7	59.5
21. Unit Avail Factor	.0	15.7	59.5
22. Unit Cap Factor (MDC Net)	.0	13.4	56.2
23. Unit Cap Factor (DER Net)	.0	13.4	56.2
24. Unit Forced Outage Rate	.0	.0	21.9
25. Forced Outage Hours	.0	.0	11,178.3

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

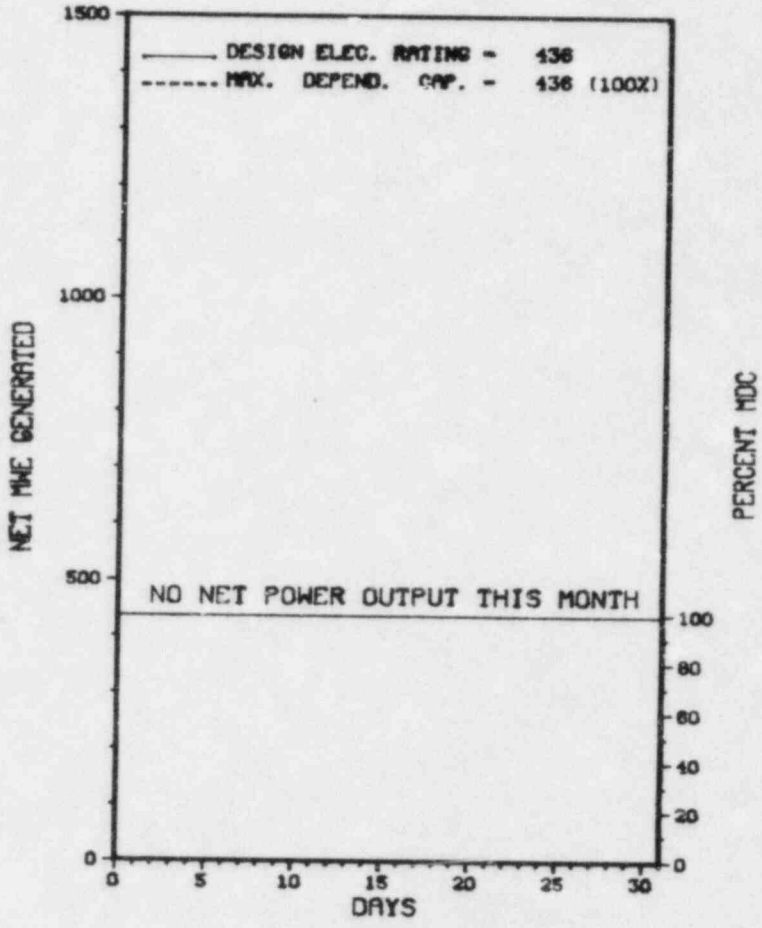
NONE

27. If Currently Shutdown Estimated Startup Date: 03/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



DECEMBER 1982

Report Period DEC 1982

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

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	744.0	B	4		ZZ	ZZZZZZ	EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

****
* SUMMARY *
****

SAN ONOFRE 1 REMAINED SHUTDOWN IN A CONTINUING MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period DEC 1982

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.....L. MILLER

LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-206

LICENSE & DATE ISSUANCE....DPR-13, MARCH 27, 1967

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SAN CLEMENTE, CALIFORNIA 92672

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 16 - DECEMBER 16, 1982 (REPORT NO. 50-206/82-34) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTIONS OF QUALITY ASSURANCE PROGRAM AND PROGRAM ADMINISTRATION; STATION ORGANIZATION AND ADMINISTRATION; QUALIFICATION OF PERSONNEL; CALIBRATION OF INSTRUMENTATION; SURVEILLANCE OF PIPE SUPPORTS AND RESTRAINTS; AND REVIEW OF PREOPERATIONAL TEST RESULTS. THE INSPECTION INVOLVED 89 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 01-30, 1982 (REPORT NO. 50-206/82-35) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF PLANT OPERATIONS DURING LONG-TERM SHUTDOWN; MONTHLY MAINTENANCE AND SURVEILLANCE ACTIVITIES; FOLLOW-UP OF LICENSEE EVENT REPORT, INSPECTOR IDENTIFIED ITEMS, AND 10 CFR 21 REPORTS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 80 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 29 - DECEMBER 03, 1982 (REPORT NO. 50-206/82-36) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE RADIOACTIVE WASTE SYSTEMS, INCLUDING REVIEW OF SEMI-ANNUAL OPERATING REPORTS; EFFLUENT MONITORING INSTRUMENTATION; RADIOACTIVE EFFLUENT RELEASE PROCEDURES AND PRACTICES; TESTS OF THE CONTROL ROOM EMERGENCY AIR TREATMENT SYSTEMS AND REACTOR COOLANT CHEMISTRY SAMPLING AND ANALYSIS. THE LICENSEE'S ACTIONS WITH REGARD TO LICENSEE EVENT REPORTS 82-13, 82-18, AND ENVIRONMENTAL REPORTS DATED FEBRUARY 12, AND JUNE 1, 1982, WERE ALSO REVIEWED. THE INSPECTION INCLUDED AN UNANNOUNCED TOUR OF UNIT 1 ON THE EVENING OF

INSPECTION SUMMARY

NOVEMBER 29, 1982. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: OF THE AREAS INSPECTED, 1 ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO PERFORM EFFLUENT MONITOR CALIBRATIONS, TS 4.6E.).

+ INSPECTION ON DECEMBER 01-22, 1982 (REPORT NO. 50-206/82-37) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF PLANT OPERATIONS DURING LONG-TERM SHUTDOWN; MONTHLY MAINTENANCE AND SURVEILLANCE ACTIVITIES; AND FOLLOW-UP OF LICENSEE EVENT REPORTS, INSPECTOR IDENTIFIED ITEMS, UNRESOLVED ITEM, AND NOTICES OF VIOLATION. THE INSPECTION INVOLVED 65 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.14B(2) REQUIRES THAT WITH A SPRAY AND/OR SPRINKLER SYSTEM INOPERABLE, THE LICENSEE SHALL ESTABLISH A CONTINUOUS FIRE WATCH BACKUP AND FIRE SUPPRESSION EQUIPMENT FOR THE UNPROTECTED AREA WITHIN 1 HOUR. CONTRARY TO THE REQUIREMENT, ON OCTOBER 12, 1982, THE INSPECTOR OBSERVED THAT NO FIRE WATCH WAS IN THE LUBE OIL RESERVOIR AREA AT 3:45 A.M. THE INSPECTOR DETERMINED THAT THE SPRINKLER SYSTEM IN THIS AREA HAD BEEN DISABLED AND A CONTINUOUS FIRE WATCH ASSIGNED FOR SEVERAL WEEKS PREVIOUSLY. THE INSPECTOR LOCATED THE ASSIGNED FIRE WATCH IN THE 4KV SWITCHGEAR ROOM. TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF PARAGRAPH 2.2.1 OF "FIRE PROTECTION PROGRAM REVIEW, BTP APCSB 9.5-1, SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 1." BTP APCSB 9.5-1 STATES THAT THE ADMINISTRATIVE PROCEDURES USED TO FORMALLY IMPLEMENT THE FIRE PROTECTION PROGRAM INCLUDE STATION ORDER S-M-105, FIRE PREVENTION DURING OPEN FLAME PROCESSES (SUBSEQUENTLY REVISED TO FIRE PREVENTION PROCEDURE S0123-XIII-14). S0123-XIII-14 REQUIRES THAT ALL AREAS WITHIN A RADIUS OF 35 FEET, OR BELOW THE WORK AREA IF OPENINGS EXIST, SHALL BE INSPECTED FOR, AND PROTECTED IN APPROPRIATE WAYS AGAINST, POSSIBLE FIRE HAZARDS. CONTRARY TO THE REQUIREMENTS, ON OCTOBER 5, 6, 7, AND 13, 1982, THE INSPECTOR OBSERVED OPEN FLAME PROCESSES (WELDING AND GRINDING) IN AND NEAR LUBE OIL RESERVOIR AND 4KV SWITCHGEAR ROOM CABLE TRAYS WITHOUT PROTECTION AGAINST IGNITION OF THE CABLES IN THE TRAYS BY WELDING SLAG OR GRINDING EMBERS. PURSUANT TO THE PROVISIONS OF 10 CFR 2.201, SOUTHERN CALIFORNIA EDISON COMPANY IS HEREBY REQUIRED TO SUBMIT TO THIS OFFICE WITHIN 30 DAYS OF THE DATE OF THE NOTICE A WRITTEN STATEMENT OR EXPLANATION IN REPLY, INCLUDING (1) THE CORRECTIVE STEPS WHICH HAVE BEEN TAKEN AND THE RESULTS ACHIEVED; (2) CORRECTIVE STEPS WHICH WILL BE TAKEN TO AVOID FURTHER ITEMS OF NONCOMPLIANCE; AND (3) THE DATE WHEN FULL COMPLIANCE WILL BE ACHIEVED. CONSIDERATION MAY BE GIVEN TO EXTENDING THE RESPONSE TIME FOR GOOD CAUSE SHOWN.
(8232 5)

10 CFR 19.11(B) STATES THAT IF POSTING OF A DOCUMENT SPECIFIED IN 10 CFR 19.11(A) IS NOT PRACTICABLE, THE LICENSEE MAY POST A NOTICE WHICH DESCRIBES THE DOCUMENT AND STATES WHERE IT MAY BE EXAMINED. DOCUMENTS SPECIFIED IN 10 CFR 19.11(A) INCLUDE: 10 CFR 19, 10 CFR 20, THE LICENSE AND LICENSE CONDITIONS. CONTRARY TO THIS REQUIREMENT, ON OCTOBER 27, 1982, THE NOTICE DATED JANUARY 5, 1978, POSTED AT SEVERAL LOCATIONS AT UNIT 1 AND 2 DID NOT ADDRESS THE UNIT 2 LICENSE, LICENSE CONDITIONS, OR DESCRIBE 10 CFR 19 AND 20.
(8233 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

INSPECTION STATUS - (CONTINUED)

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

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE PLANT HAS REMAINED SHUTDOWN SINCE LATE FEBRUARY 1982, FOR SEISMIC UP-GRADING, TMI MODIFICATIONS, STEAM GENERATOR TUBE RE-EVALUATION, + EMERGENCY CORE COOLING SYSTEM TESTS, AND ROUTINE MAINTENANCE. THESE PROJECTS ARE NEARING COMPLETION AND RESTART IS AWAITING RESOLUTION OF THE SEISMIC ISSUE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT HAS BEEN IN COLD SHUTDOWN SINCE FEBRUARY 1982, FOR EXTENSIVE SEISMIC REWORK. THE CURRENT PROPOSED START DATE IS NOVEMBER 1983; HOWEVER, RESTART CANNOT OCCUR UNTIL RESOLUTION OF THE SEISMIC ISSUE WHICH IS EXPECTED BY THE START DATE.

LAST IE SITE INSPECTION DATE: 12/01-22/82+

INSPECTION REPORT NO: 50-206/82-37+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-361 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: JAY IYER (717) 492-7700 EXT. 59-226

4. Licensed Thermal Power (MWt): 3410

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1087

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1087

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	2,460.5	2,460.5
13. Hours Reactor Critical	297.0	1,033.5	1,033.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	269.0	824.0	824.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	474,700	928,340	928,340
18. Gross Elec Ener (MWH)	128,600	195,012	195,012
19. Net Elec Ener (MWH)	108,620	126,020	126,020
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	475.0	824.0	824.0

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

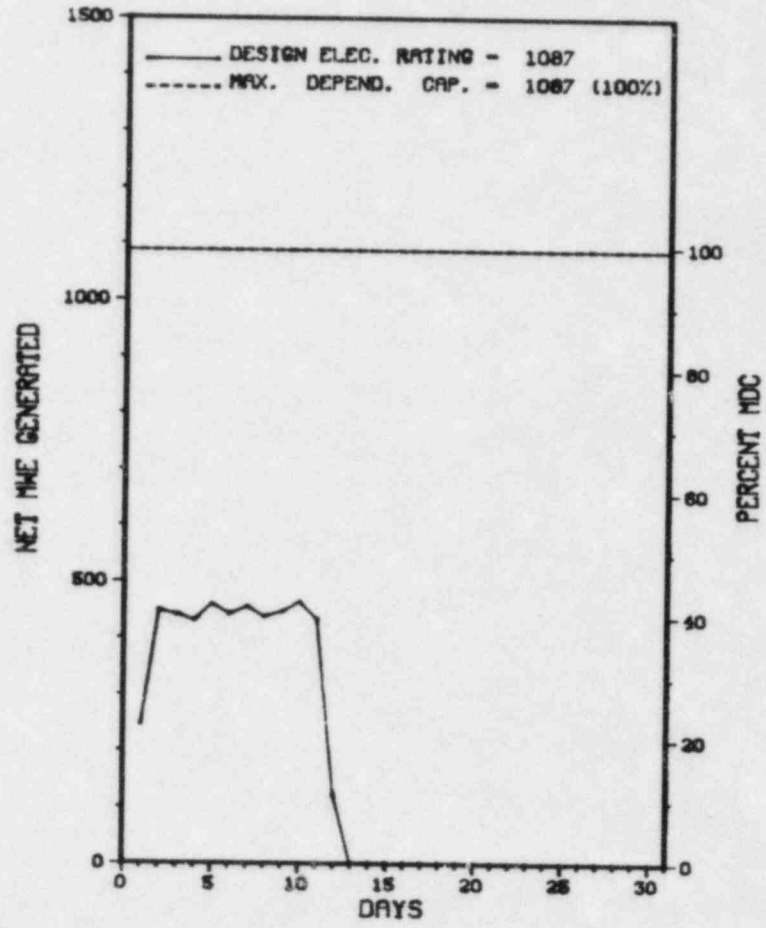
NONE

27. If Currently Shutdown Estimated Startup Date: 01/15/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SAN ONOFRE 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/12/82	F	475.0	A	3	82-168	IA	INSTRU	TRIP ON HIGH LPD/LOW DNBR SIGNAL CAUSED BY FAULTY REED SWITCH. FAULTY REED SWITCH REPLACED. UNIT REMAINED DOWN FOR REPAIR OF RCP SEALS AND TURBINE VALVES.

SUMMARY

SAN ONOFRE 2 OPERATED ROUTINELY UNTIL DECEMBER 12, WHEN THE UNIT SHUTDOWN FOR MAINTENANCE.

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

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

FACILITY DATA

Report Period DEC 1982

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

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. CHAFFEE

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE....., SEPTEMBER 7, 1982

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24851 CRISANTA DRIVE
MISSION VIEJO, CALIFORNIA 92676

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 29 - DECEMBER 21, 1982 (REPORT NO. 50-361/82-40) AREAS INSPECTED: ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF OPERATIONS PROGRAM AND STARTUP TEST PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; WITNESS OF POWER ASCENSION TESTING; SIGNIFICANT EVENTS; PLANT TRIPS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 55 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 01-22 1982 (REPORT NO. 50-361/82-42) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF PLANT OPERATIONS DURING LONG-TERM SHUTDOWN; MONTHLY MAINTENANCE AND SURVEILLANCE ACTIVITIES; AND FOLLOW-UP OF LICENSEE EVENT REPORTS, INSPECTOR IDENTIFIED ITEMS, UNRESOLVED ITEM, AND NOTICES OF VIOLATION. THE INSPECTION INVOLVED 65 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 22, 1982 - JANUARY 14, 1983 (REPORT NO. 50-361/82-43) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 16 - DECEMBER 16, 1982 (REPORT NO. 50-361/82-44) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTIONS OF QUALITY ASSURANCE PROGRAM AND PROGRAM ADMINISTRATION; STATION ORGANIZATION AND ADMINISTRATION; QUALIFICATION OF PERSONNEL; CALIBRATION OF INSTRUMENTATION; SURVEILLANCE OF PIPE SUPPORTS AND RESTRAINTS; AND REVIEW OF PREOPERATIONAL TEST RESULTS. THE

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* SAN ONOFRE 2 *
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INSPECTION SUMMARY

INSPECTION INVOLVED 89 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

LOW POWER FACILITY OPERATING LICENSE WAS ISSUED FEBRUARY 16, 1982. THE FULL POWER FACILITY OPERATING LICENSE WAS ISSUED SEPTEMBER 7, 1982, AS AMENDMENT 7 TO THE LOW POWER LICENSE.

PLANT STATUS:

LICENSEE HAS COMPLETED LOW POWER PHYSICS TESTING. POWER ASCENSION TESTING IS IN PROGRESS.

LAST IE SITE INSPECTION DATE: 12/22/82-01/14/83+

INSPECTION REPORT NO: 50-361/82-43+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6248

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1163

8. Maximum Dependable Capacity (Net MWe): 1128

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	13,177.0
13. Hours Reactor Critical	.0	4,734.4	7,535.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	4,629.1	7,319.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	15,217,828	23,282,742
18. Gross Elec Ener (MWH)	0	5,111,586	7,757,536
19. Net Elec Ener (MWH)	0	4,908,979	7,436,004
20. Unit Service Factor	.0	52.8	55.5
21. Unit Avail Factor	.0	52.8	55.5
22. Unit Cap Factor (MDC Net)	.0	49.7	50.0
23. Unit Cap Factor (DER Net)	.0	49.0	49.2
24. Unit Forced Outage Rate	.0	21.4	20.4
25. Forced Outage Hours	.0	1,257.9	1,878.6

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

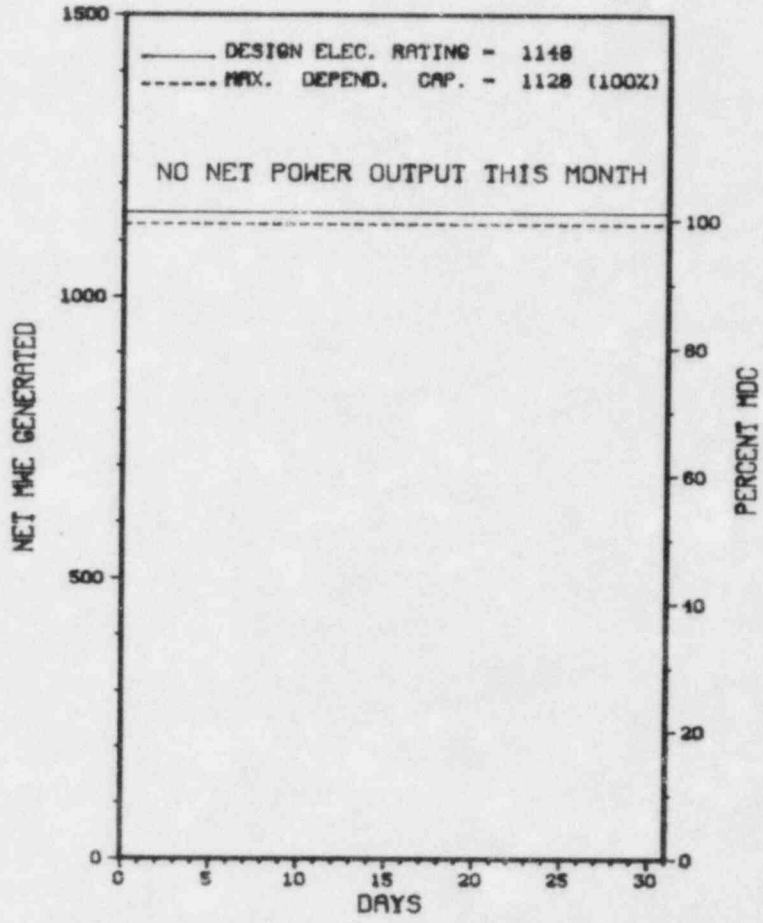
NONE

27. If Currently Shutdown Estimated Startup Date: 01/16/83

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

SEQUOYAH 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SEQUOYAH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	09/11/82	S	744.0	C	4				REFUELING/MODIFICATION OUTAGE CONTINUES.

SUMMARY

SEQUOYAH 1 REMAINED SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

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

****
* SEQUOYAH 1 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 5, 1980

DATE ELEC ENER 1ST GENER...JULY 22, 1980

DATE COMMERCIAL OPERATE....JULY 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHLE
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE....DPR-77, SEPTEMBER 17, 1980

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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 6 - NOVEMBER 5 (82-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 91 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT 1 REFUELING OUTAGE, REVIEW OF LICENSEE'S SURVEILLANCE PROGRAM, LICENSEE EVENT REPORT REVIEW AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; THREE VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO MAINTAIN COGNIZANCE OF SYSTEM STATUS; FAILURE TO FOLLOW IMI-92-SRM-FT; AND FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION ON CONTAINMENT AIRLOCKS).

INSPECTION NOVEMBER 6 - DECEMBER 5 (82-31): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 72 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT REFUELING OUTAGE, LICENSEE EVENT REPORT REVIEW, FOLLOWUP ON PLANT INCIDENTS AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO TRAIN, DETERMINE PRIOR DOSE AND ISSUE DOSIMETRY TO WORKER ENTERING UNIT 1 CONTAINMENT).

INSPECTION DECEMBER 7-10 (82-33): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF CONTAINMENT INTEGRATED LEAKAGE RATE TESTING. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.4.B, REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED BY THE RADIOLOGICAL HYGIENE BRANCH COVERING THE QUALITY ASSURANCE PROGRAM AND ENVIRONMENTAL MONITORING, USING THE GUIDANCE CONTAINED IN REGULATORY GUIDE 4.15, DECEMBER 1977. CONTRARY TO THE ABOVE, SECTIONS 6.4 AND 6.5 OF LICENSEE PROCEDURE NO. NR-OPS-FO-NRE-62.3 (CALIBRATION OF RADIATION MONITORS) WHICH REQUIRE CALIBRATION OF ENVIRONMENTAL RADIATION MONITORING EQUIPMENT AT SIX (6) MONTH INTERVALS, AND POSTING OF CALIBRATION STICKERS ON OR NEAR THE MONITOR, RESPECTIVELY, WERE NOT IMPLEMENTED IN THAT: 1. BACKGROUND RADIATION MONITORS AND AIR MONITOR FLOW METERS AT ALL ASSIGNED AIR PARTICULATE/RADIOIODINE MONITORING STATIONS WERE NOT CALIBRATED WITHIN THE REQUIRED SIX (6) MONTH INTERVAL IN THE CASE OF STATIONS LM-1, LM-2, AND PM-1 THROUGH PM-8. 2. CALIBRATION STICKERS DOCUMENTING THE MOST RECENT CALIBRATIONS WERE NOT POSTED ON OR NEAR THE MONITORS AS REQUIRED.
(8224 5)

TECHNICAL SPECIFICATION 3.6.1.8 REQUIRES THAT TWO INDEPENDENT EMERGENCY GAS TREATMENT SYSTEM (EGTS) CLEANUP SUBSYSTEMS SHALL BE OPERABLE IN MODES 1, 2, 3 AND 4. CONTRARY TO THE ABOVE, TWO EGTS CLEANUP SUBSYSTEMS WERE NOT MAINTAINED OPERABLE IN THAT ON SEPTEMBER 11, 1982 THE UNIT 1 ELEVATION 690 ANNULUS DOOR WAS LEFT OPEN AND OBSTRUCTED BY TEST EQUIPMENT WHEN THE UNIT WAS IN MODE 3 (450 DEGREES FAHRENHEIT). WITH THE ANNULUS DOOR OPEN THE EGTS WOULD NOT HAVE BEEN ABLE TO MAINTAIN THE REQUIRED NEGATIVE PRESSURE IN THE ANNULUS FOR OPERABILITY. THE LICENSEE IDENTIFIED THE VIOLATION AND TOOK IMMEDIATE ACTION TO CLOSE THE ANNULUS DOOR AND RETURN THE EGTS TO AN OPERABLE STATUS.
(8225 4)

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED AND IMPLEMENTED COVERING AUTHORITIES AND RESPONSIBILITIES FOR SAFE OPERATION AND SHUTDOWN. ADMINISTRATIVE INSTRUCTION AI-2, SECTION 11, REQUIRES THAT CRITICAL SYSTEMS SHALL BE ALIGNED ACCORDING TO APPLICABLE CHECK LISTS AND DEVIATIONS SHALL BE HANDLED ACCORDING TO OPERATIONAL SECTION INSTRUCTION LETTER OSLA-58 "MAINTAINING COGNIZANCE OF OPERATIONAL STATION." CONTRARY TO THE ABOVE, CRITICAL SYSTEM ALIGNMENT WAS NOT MAINTAINED ACCORDING TO AI-2 OR OSLA-58 IN THAT ON NOVEMBER 1, 1982 VALVE 1-FCV-74-524 WAS FOUND LOCKED SHUT INSTEAD OF LOCKED OPEN AS INDICATED BY THE UNIT 1 CONFIGURATION LOG AND A SYSTEM OPERATING INSTRUCTION VALVE CHECK PERFORMED ON OCTOBER 31, 1982. VALVE 1-FCV-74-524 (INLET TO "A" TRAIN RESIDUAL HEAT REMOVAL (RHR) HEAT EXCHANGER) WAS FOUND SHUT WHILE THE OEPRATOR WAS ATTEMPTING TO ALIGN RHR FOR SHUTDOWN COOLING. TECHNICAL SPECIFICATION 6.8.1.C. REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED AND IMPLEMENTED COVERING SURVEILLANCE AND TEST ACTIVITIES OF SAFETY-RELATED EQUIPMENT. CONTRARY TO THE ABOVE, WRITTEN PROCEDURES FOR SURVEILLANCE OF SAFETY-RELATED EQUIPMENT WERE NOT PROPERLY IMPLEMENTED IN THAT ON NOVEMBER 2, 1982 WHILE PERFORMING A FUNCTIONAL TEST ON UNIT 1 SOURCE RANGE NEUTRON INSTRUMENT N-31 IN ACCORDANCE WITH IMI-92-SRM-FT, THE INSTRUMENT MECHANIC DID NOT RECORD DATA THAT THE PROCEDURE CALLED FOR. WHILE TESTING THE "LOSS OF DETECTOR VOLTAGE" BISTABLE, INSTEAD OF RECORDING THE "AS FOUND" DETECTOR VOLTAGE THAT THE PROCEDURE CALLED FOR, THE MECHANIC RECORDED THE DESIRED VOLTAGE 2000 VDC. THE LICENSEE HAD PREVIOUSLY DETERMINED THAT THE DESIRED VOLTAGE NEEDED TO BE RECORDED TO CHECK THE BISTABLE BUT NEVER CHANGED THE PROCEDURE.
(8228 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

OTHER ITEMS

PLANT STATUS:

100% POWER OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 6, 1982 - JANUARY 5, 1983 +

INSPECTION REPORT NO: 50-327/82-36 +

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
82-124/ 03L-0	10/23/82	11/19/82	LIQUID RADWASTE EFFLUENT MONITOR WAS DECLARED INOPERABLE DUE TO FAILURE TO MEET SURVEILLANCE REQUIREMENTS, DUE TO A BUILDUP OF CONTAMINATION
82-126/ 01T-0	11/05/82	11/18/82	CHECK VALVE STREAM OF THE STEAM ISOLATION VALVE FAILED VALVE DISC HAD SEPARATED FROM THE STEM AND LODGED DOWNSTREAM IN THE STEAM DUMP HEADER
82-128/ 01T-0	11/09/82	11/22/82	BOTH TRAINS OF THE CONTROL ROOM EMERGENCY VENTILATION SYSTEM WERE DECLARED INOPERABLE IT WAS DISCOVERED THAT THE SUCTION DAMPER HAD NOT CLOSED

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1. Docket: 50-328 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: MIKE EDDINGS (615) 870-6248
4. Licensed Thermal Power (MWt): 3411
5. Nameplate Rating (Gross MWe): 1220
6. Design Electrical Rating (Net MWe): 1148
7. Maximum Dependable Capacity (Gross MWe): 1163
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:
TURBINE WILL NOT MEET DESIGN SPECIFICATIONS
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

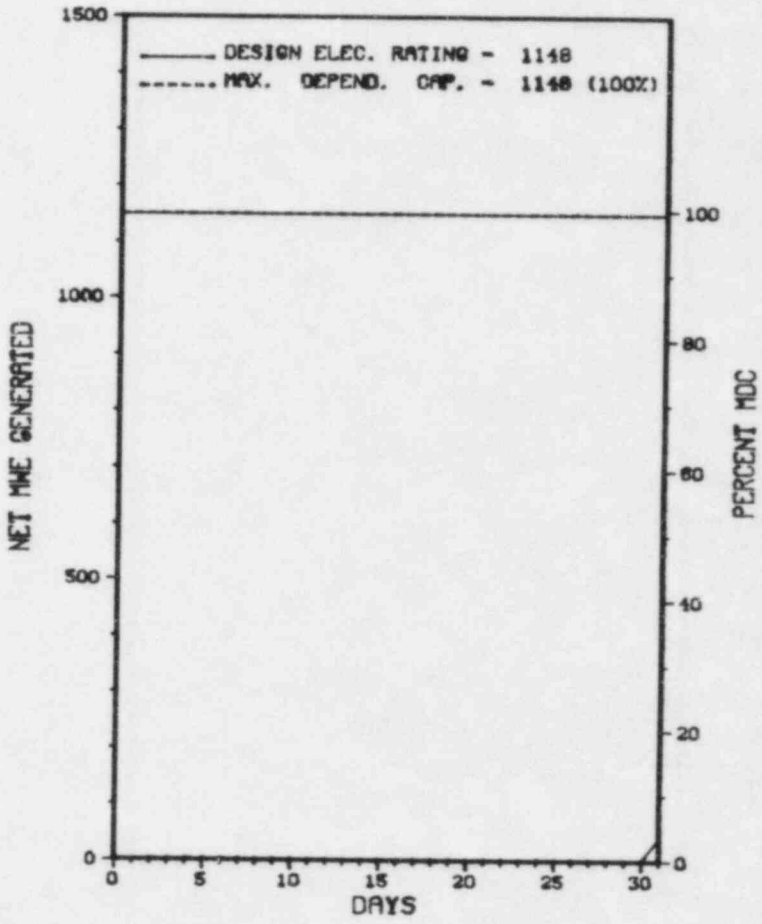
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	5,137.0	5,137.0
13. Hours Reactor Critical	31.2	3,888.7	3,888.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	3.8	3,806.8	3,806.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	32,105	12,154,591	12,154,591
18. Gross Elec Ener (MWH)	1,010	4,081,850	4,081,850
19. Net Elec Ener (MWH)	0	3,926,291	3,926,291
20. Unit Service Factor	.5	74.1	74.1
21. Unit Avail Factor	.5	74.1	74.1
22. Unit Cap Factor (MDC Net)	.0	66.7	66.6
23. Unit Cap Factor (DER Net)	.0	66.6	66.6
24. Unit Forced Outage Rate	99.5	18.0	18.0
25. Forced Outage Hours	692.2	837.6	837.6

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

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* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



DECEMBER 1982

Report Period DEC 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* SEQUOYAH 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	11/13/82	S	48.0	H	4				ICE WEIGHING OUTAGE. (SURVEILLANCE TESTING REQUIRED BY TECHNICAL SPECIFICATIONS).
20	12/03/82	F	692.2	B	9				FOUND DAMAGE FAN BLADES IN THE HYDROGEN COOLING SYSTEM.

****
* SUMMARY *
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SEQUOYAH 2 RETURNED ONLINE ON DECEMBER 31ST FROM TESTING AND MAINTENANCE 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)

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 5, 1981

DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981

DATE COMMERCIAL OPERATE....JUNE 1, 1982

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

CORPORATE ADDRESS.....831 POWER BUILDING
CHATTANOOGA, TENNESSEE 37401

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHLE
DOCKET NUMBER.....50-328

LICENSE & DATE ISSUANCE....DPR-79, SEPTEMBER 15, 1981

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1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 6 - NOVEMBER 5 (82-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 92 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT 1 REFUELING OUTAGE, REVIEW OF LICENSEE'S SURVEILLANCE PROGRAM, LICENSEE EVENT REPORT REVIEW AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN TWO AREAS; THREE VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO MAINTAIN COGNIZANCE OF SYSTEM STATUS; FAILURE TO FOLLOW IMI-92-SRM-FT; AND FAILURE TO TAKE ADEQUATE CORRECTIVE ACTION ON CONTAINMENT AIRLOCKS).

INSPECTION NOVEMBER 6 - DECEMBER 5 (82-31): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 72 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT REFUELING OUTAGE, LICENSEE EVENT REPORT REVIEW, FOLLOWUP ON PLANT INCIDENTS AND INDEPENDENT INSPECTION EFFORT. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO TRAIN, DETERMINE PRIOR DOSE AND ISSUE DOSIMETRY TO WORKER ENTERING UNIT 1 CONTAINMENT).

INSPECTION DECEMBER 7-10 (82-33): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF CONTAINMENT INTEGRATED LEAKAGE RATE TESTING. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.4.B, REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED BY THE RADIOLOGICAL HYGIENE BRANCH COVERING THE QUALITY ASSURANCE PROGRAM AND ENVIRONMENTAL MONITORING, USING THE GUIDANCE CONTAINED IN REGULATORY GUIDE 4.15, DECEMBER 1977. CONTRARY TO THE ABOVE, SECTIONS 6.4 AND 6.5 OF LICENSEE PROCEDURE NO. NR-OPS-FO-NRE-62.3 (CALIBRATION OF RADIATION MONITORS) WHICH REQUIRE CALIBRATION OF ENVIRONMENTAL RADIATION MONITORING EQUIPMENT AT SIX (6) MONTH INTERVALS, AND POSTING OF CALIBRATION STICKERS ON OR NEAR THE MONITOR, RESPECTIVELY, WERE NOT IMPLEMENTED IN THAT: 1. BACKGROUND RADIATION MONITORS AND AIR MONITOR FLOW METERS AT ALL ASSIGNED AIR PARTICULATE/RADIOIODINE MONITORING STATIONS WERE NOT CALIBRATED WITHIN THE REQUIRED SIX (6) MONTH INTERVAL IN THE CASE OF STATIONS LM-1, LM-2, AND PM-1 THROUGH PM-8. 2. CALIBRATION STICKERS DOCUMENTING THE MOST RECENT CALIBRATIONS WERE NOT POSTED ON OR NEAR THE MONITORS AS REQUIRED.
(8225 5)

10CFR50, APPENDIX B CRITERION X/I AND SECTION 17.2.16 OF THE ACCEPTED QA PROGRAM REQUIRES THAT MEASURES SHALL ASSURE THAT THE CAUSE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY ARE DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. THE TVA OPERATIONAL QA MANUAL, PART III, SECTION 7.2 AND SEQUOYAH ADMINISTRATIVE INSTRUCTION AI-12 "ADVERSE CONDITIONS AND CORRECTIVE ACTIONS", PARAGRAPH 1.0 BOTH STATE THEIR PURPOSE IS TO PROVIDE MEASURES WHICH ASSURE THAT CONDITION ADVERSE TO QUALITY ARE IDENTIFIED AND CORRECTED AND THAT ACTIONS ARE TAKEN TO PRECLUDE RECURRENCE. CONTRARY TO THE ABOVE, CORRECTIVE ACTIONS TAKEN TO PRECLUDE RECURRENCE WERE INADEQUATE IN THAT THE UPPER CONTAINMENT PERSONNEL AIRLOCK DOOR OPERATING LINKAGE ADJUSTMENT WAS NOT PROPERLY MAINTAINED TO PREVENT BOTH AIR LOCK DOORS FROM BEING OPENED SIMULTANEOUSLY ON OCTOBER 2, 1982. SIMILAR EVENTS OCCURRED ON UNIT 1 ON JULY 19, 1981, SEPTEMBER 26, 1980 AND JULY 11, 1980.

(8228 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER OPERATION/STARTUP TESTING.

LAST IE SITE INSPECTION DATE: DECEMBER 6, 1982 - JANUARY 5, 1983 +

INSPECTION REPORT NO: 50-328/82-35 +

****
* SEQUOYAH 2 *
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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-018/ 03L-0	09/21/82	10/20/82	ERCW VALVES WOULD NOT OPEN ON START SIGNAL CIRCUIT BREAKERS TO THESE VALVES HAD APPARENTLY BEEN LEFT OPEN
82-105/ 03L-0	08/10/82	09/08/82	REFUELING WATER STORAGE TANK LEVEL CHANNEL (2-LT-63-52) INOPERABLE, TRANSMITTER FAILED LOW
82-118/ 03L-0	09/21/82	10/20/82	ERCS VALVES WOULD NOT OPEN ON START SIGNAL, CIRCUIT BREAKERS TO THESE VALVES HAD APPARENTLY BEEN LEFT OPEN
82-119/ 03L-0	09/27/82	10/25/82	CONTAINMENT ISOLATION VALVE WOULD NOT OPEN, DUE TO NORMAL END OF LIFE
82-122/ 03L-0	10/21/82	11/17/82	ONE PRESSURIZER PRESSURE CHANNEL WAS DECLARED INOPERABLE DUE TO LOSS OF POWER TO THE CHANNEL
82-125/ 03L-0	10/29/82	11/23/82	ESSENTIAL RAW COOLING WATER EFFLUENT LINE RADIATION MONITOR WAS DECLARED INOPERABLE DUE TO LOSS OF SAMPLE FLOW
32-127/ 03L-0	10/20/82	11/18/82	COOLING JACKET CIRCULATING WATER PUMP ON DIESEL GENERATOR FOUND INOPERABLE DUE TO BALL BEARING FAILURE

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1. Docket: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: V. T. CHILSON (305) 552-3824

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): 862

8. Maximum Dependable Capacity (Net MWe): 817

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	52,848.0
13. Hours Reactor Critical	741.6	8,269.8	43,099.4
14. Rx Reserve Shtdwn Hrs	.0	.0	205.3
15. Hrs Generator On-Line	740.6	8,230.4	42,226.0
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	1,956,855	21,811,597	105,135,516
18. Gross Elec Ener (MWH)	642,850	7,155,480	34,213,595
19. Net Elec Ener (MWH)	610,152	6,784,644	32,259,618
20. Unit Service Factor	99.5	94.0	79.9
21. Unit Avail Factor	99.5	94.0	80.0
22. Unit Cap Factor (MDC Net)	100.4	96.4	74.7
23. Unit Cap Factor (DER Net)	98.8	94.4	73.5
24. Unit Forced Outage Rate	.5	1.0	4.7
25. Forced Outage Hours	3.4	82.8	2,089.4

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

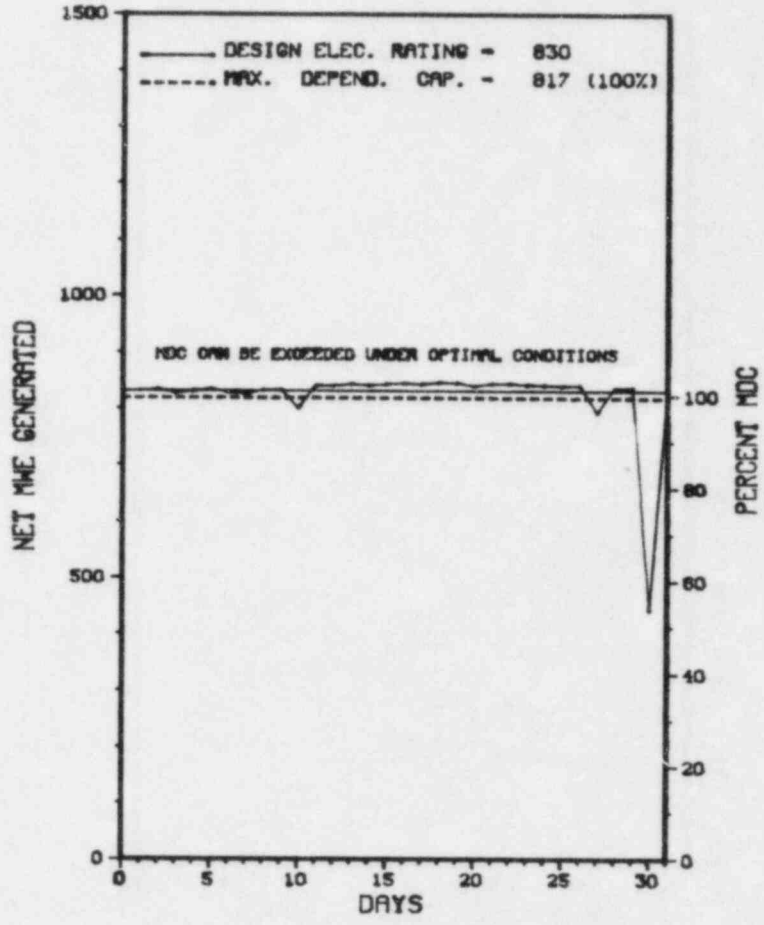
REFUELING, MARCH 1983, 2 MONTHS.

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

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* ST LUCIE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	12/30/82	F	3.4	A	3	335-82-71	IA	GENERA	REACTOR TRIP CAUSED BY SPURIOUS INVERTER TRIP IN CONJUNCTION WITH TRIP BREAKER MAINTENANCE. THE UNIT WAS RETURNED TO SERVICE.

****
* SUMMARY *
****

ST. LUCIE OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 33174

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....S. ELROD

LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976

PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 11 - NOVEMBER 10 (82-36): THIS ROUTINE INSPECTION INVOLVED 117 RESIDENT INSPECTOR-HOURS ONSITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, PLANT CHANGES/MODIFICATION, IE BULLETINS, CIRCULARS AND NOTICES, LICENSEE ACTIONS TAKEN ON TMI ITEMS, AND PLANT TOURS. OF THE 9 AREAS INSPECTED, NO APPARENT ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN 9 AREAS: ONE APPARENT ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (USE OF UNQUALIFIED MATERIAL IN THE EMERGENCY DIESEL GENERATOR LUBE OIL SYSTEM).

INSPECTION NOVEMBER 15-19 (82-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREOPERATIONAL TESTING QA; QA RECORDS PROGRAM; QA FOR STARTUP TEST PROGRAM; QA/QC ADMINISTRATION, AUDITS; DOCUMENT CONTROL; DESIGN CHANGES AND MODIFICATIONS; SURVEILLANCE TESTING AND CALIBRATION CONTROL; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; AND MEASURING AND TEST EQUIPMENT. OF THE ELEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; TWO VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO CONTROL DRAWINGS, AND FAILURE TO CORRECT A CONDITION ADVERSE TO QUALITY PROMPTLY).

INSPECTION NOVEMBER 16-19 (82-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING: MANAGEMENT CONTROLS; STATUS REVIEW OF MONITORING PROGRAMS; REVIEW AND EVALUATION OF RADIOLOGICAL ENVIRONMENTAL MONITORING AND SURVEILLANCE REPORTS; REVIEW OF INTERLABORATORY COMPARISON PROGRAM; STATUS REVIEW AND INSPECTION OF LICENSEE/NRC COLOCATED TLD'S FOR DIRECT RADIATION MONITORING. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 22-24 (82-40): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREA OF AN

INSPECTION SUMMARY

EMERGENCY PREPAREDNESS. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR20.201(B), SURVEYS OR EVALUATIONS OF THE RADIOACTIVITY IN THE FACILITY'S SANITARY SEWAGE WERE NOT PERFORMED TO ASSURE COMPLIANCE WITH WASTE DISPOSAL CRITERIA OF 10CFR20.301. SEWAGE SLUDGE WAS DISPOSED OFFSITE ON JANUARY 8, 1982, AND JUNE 27, 1982, WITHOUT THE REQUIRED SURVEYS. PREVIOUS TO THIS, CONTAMINATED SANITARY DRAINS WENT TO SEPTIC TANKS WHICH WERE DISPOSED OFFSITE WITHOUT THE REQUIRED SURVEYS.
(8233 4)

CONTRARY TO 10CFR20.203(E), THE SANITARY SEWAGE TREATMENT PLANT WAS NOT POSTED A RADIOACTIVE MATERIALS AREA WHEN IT CONTAINED GREATER THAN 10 TIMES APPENDIX "C" QUANTITIES OF COBALT-60 ON SEPTEMBER 23, 1982.
(8233 5)

ON FRIDAY, OCTOBER 8, 1982, FOUR NON-SAFETY, NON-SEISMIC GAUGES WERE FOUND TO BE ACTIVELY OPERATIONAL IN THE DIESEL GENERATOR SOAK-BACK OIL PUMP DISCHARGE HEADERS. THESE HAD BEEN RECENTLY TEMPORARILY INSTALLED UNTIL SAFETY GRADE PRESSURE SWITCHES COULD BE PURCHASED, WITH THE UNDERSTANDING THAT THEY WOULD BE ISOLATED DURING NORMAL PLANT OPERATIONS AND ONLY OPENED MOMENTARILY TO READ HEADER PRESSURE WHEN REQUIRED. THIS APPEARS TO VIOLATE 10CFR50, APPENDIX "B", PARAGRAPH V, INSTRUCTIONS, PROCEDURES, AND DRAWINGS, AND PARAGRAPH XV, NON-CONFORMING MATERIALS, PARTS, OR COMPONENTS, WHICH REQUIRE THAT ADEQUATE MEASURES BE PROVIDED TO PREVENT INADVERTENT USE OF UNQUALIFIED COMPONENTS.
(8236 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 6, 1983 +

INSPECTION REPORT NO: 50-335/83-01 +

REPORTS FROM LICENSEE

****
* ST LUCIE 1 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-043/ 03L-0	09/23/82	10/25/82	T HOT INPUT TO THE SUBCOOLED MARGIN MONITOR BECAME ERRATIC NO CAUSE WAS DETERMINED FOR THIS EVENT
82-044/ 03L-0	09/23/82	10/15/82	A PROCEDURE STEP WAS MISSED AND THE PULSE COUNTING FUNCTION WAS LEFT DISABLED
82-046/ 03L-0	09/23/82	10/25/82	AFW PUMP TRIPPED ON OVERSPEED WAS FOUND THAT THE AMP GENERATOR HAD FAILED
82-050/ 03L-0	10/23/82	11/22/82	ALL THREE CHARGING PUMPS BECAME GAS BOUND DUE TO THE VOLUME CONTROL TANK PUMPED DRY AND HYDROGEN ADMITTED TO THE PUMP SUCTIONS
82-051/ 03L-0	10/24/82	11/23/82	WHILE MOVING CONTROL RODS, CEA #40 DROPPED TO FULL INSERTION. NO CAUSE HAS BEEN FOUND

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1. Docket: 50-395 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: G. J. TAYLOR (803) 345-5209

4. Licensed Thermal Power (MWt): 2775

5. Nameplate Rating (Gross MWe): 0900

6. Design Electrical Rating (Net MWe): 900

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 900

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

10. Power Level To Which Restricted, If Any (Net MWe): 450

11. Reasons for Restrictions, If Any:

50% NRC RESTR. STEAM GEN.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	1,082.0	1,082.0
13. Hours Reactor Critical	651.1	843.4	843.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	569.0	761.3	761.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	651,071	794,860	794,860
18. Gross Elec Ener (MWH)	185,650	216,217	216,217
19. Net Elec Ener (MWH)	166,357	191,196	191,196
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	175.0	294.4	294.4

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

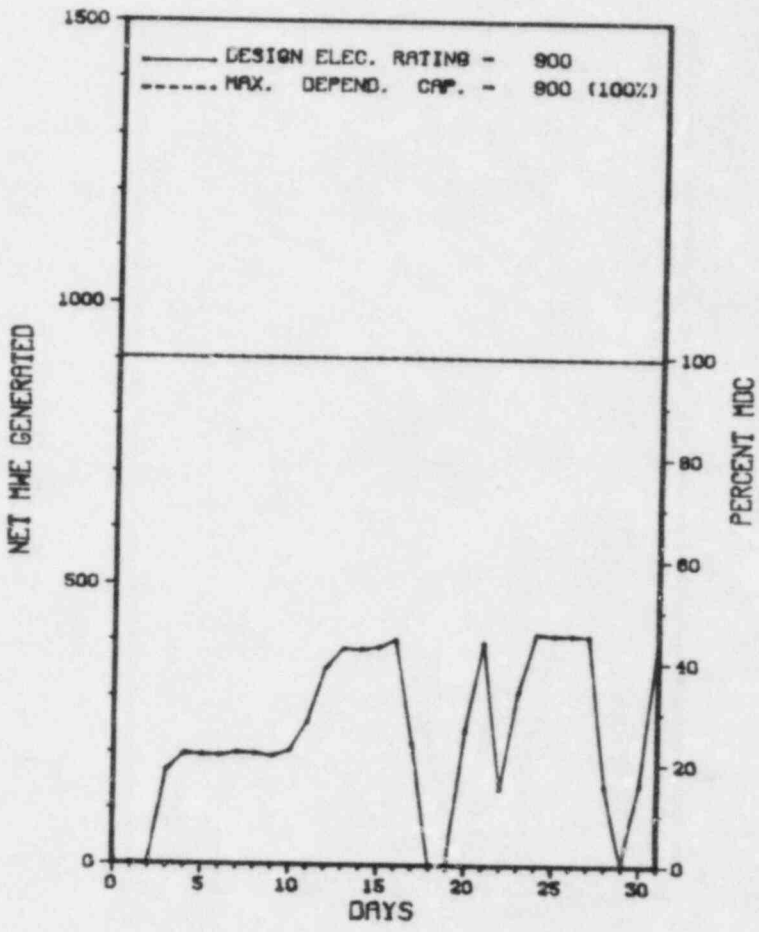
S/G MOD. - MARCH, 1983, - MAY, 1983.

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

****
* SUMMER 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SUMMER 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	11/29/82	F	46.7	G	3				REACTOR TRIP DUE TO LOW-LOW LEVEL IN "B" STEAM GENERATOR WHILE PERFORMING STEAM GENERATOR LEVEL TEST.
7	12/17/82	F	62.5	G	3				REACTOR TRIP DUE TO HI-HI FEEDWATER HEATER LEVEL, WHICH CAUSED TURBINE/REACTOR TRIP.
8	12/22/82	F	14.6	G	3				REACTOR TRIP DUE TO LOW-LOW LEVEL IN STEAM GENERATOR "C", DUE TO LOSS OF FEEDWATER (LOW FEEDWATER PRESSURE SIGNAL).
9	12/28/82	F	51.2	G	3				REACTOR TRIP DUE TO RETURNING TO SERVICE FROM A TEST, OF THE SOLID STATE PROTECTION SYSTEM MULTIPLEXER.

SUMMARY

SUMMER 1 OPERATED WITH 4 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type

F-Forced
S-Sched

Reason

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

Method

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

System & Component

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

****
* SUMMER 1 *
****

FACILITY DATA

Report Period DEC 1982

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

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.....J. SKOLDS

LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395

LICENSE & DATE ISSUANCE....NPF-12, NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....RICHLAND COUUNTY PUBLIC LIBRARY
1400 SUMTER STREET
COLUMBIA, SOUTH CAROLINA 29201

INSPECTION STATUS

INSPECTION SUMMARY

+ NO INSPECTIONS CONDUCTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

D-3 STEAM GENERATOR MODIFICATION - NOVEMBER 1982 THRU JANUARY 1983.

FACILITY ITEMS (PLANS AND PROCEDURES):

TESTING COMPLETE THRU 5% POWER.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

STARTUP TESTING.

LAST IE SITE INSPECTION DATE: DECEMBER 1-31, 1982

INSPECTION REPORT NO: 50-395/82-59

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
82-004/03L-0	09/15/82	10/15/82	TEST PROCEDURE CAUSED CLOSURE OF THE RHR SUCTION ISOLATION VALVES
82-005/03L-0	09/16/82	10/15/82	SMOKE DETECTORS REMOVED SO THAT WELDING COULD BE PERFORMED
82-006/03L-0	09/22/82	10/21/82	MOISTURE ACCUMULATION IN THE DETECTOR PREAMP CONNECTIONS
82-007/03L-0	09/25/82	10/00/82	INOPERABLE AUTOMATIC FIRE PROTECTION SYSTEM DUE TO A DEGRADED A CIRCUIT CARD
82-008/03L-0	09/29/82	10/26/82	SERVICE WATER POND LEVEL VERIFICATION AT LEAST ONCE EVERY 24 HOURS. OMITTED BY PERSONNEL ERROR
82-009/03L-0	09/29/82	10/26/82	WEEKLY VERIFICATION THAT LOCKED CLOSED FIRE DOORS ARE IN THEIR CORRECT POSITION NOT PERFORMED DUE TO A PERSONNEL ERROR
82-010/03L-0	10/01/82	10/28/82	PRESSURIZER PORV BLOCK VALVE WOULD NOT REOPEN DUE TO THE NATURAL END OF THE VALVE STEM PACKING LIFE
82-011/03L-0	09/30/82	10/27/82	THE PRESSURIZER RELIEF TANK LEVEL INDICATION INOPERABLE DUE TO DEFECTIVE AMPLIFIER AND CALIBRATION CIRCUIT CARD
82-012/03L-0	09/28/82	10/27/82	HIGH RANGE RADIATION MONITOR CAUSED HIGH RADIATION ALARMS - DUE TO ELECTRICAL INTERFERENCE IN THE DETECTOR CABLE
82-013/	10/01/82	10/29/82	TRANSMITTER OUT OF CALIBRATION CAUSED FALSE ACCUMULATOR LEVEL INDICATION

REPORTS FROM LICENSEE - (CONTINUED)

****
* SUMMER 1 *
****

03L-0			
82-024/ 03L-0	10/18/82	11/16/82	PLANT WENT INTO MODE 4 WITHOUT PERFORMING SURVEILLANCE TEST PROCEDURE "OPERATIONAL LEAK TEST." DUE TO PROCEDURAL INADEQUACIES
82-025/ 03L-0	10/20/82	11/19/82	PRESSURIZER POWER OPERATED RELIEF VALVES FOUND TO BE LEAKING. THE CAUSES ARE BOTH ATTRIBUTED TO DEGRADATION OF THE SEAT/DISK INTERFACE BY STEAM IMPINGEMENT
82-026/ 03L-0	10/19/82	11/19/82	SAFETY INJECTION FILTER B VENT VALVE WAS FOUND CRACKED SLIGHTLY OPEN. THE VALVE WAS SHUT
82-027/ 03L-0	10/22/82	11/19/82	INOPERABLE DETECTOR CELL IN THE CONTAINMENT HYDROGEN MONITOR CELL WAS REPLACED
82-028/ 03L-0	10/22/82	11/19/82	LOOSE-PARTS MONITORING SYSTEM INOPERABLE DUE TO MODIFICATIONS BEING PERFORMED ON THE SYSTEM

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1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	87,888.0
13. Hours Reactor Critical	744.0	7,877.2	53,911.7
14. Rx Reserve Shtdwn Hrs	.0	33.7	3,765.2
15. Hrs Generator On-Line	744.0	7,779.9	52,854.3
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	1,766,168	18,347,332	122,680,599
18. Gross Elec Ener (MWH)	562,160	5,786,830	39,606,043
19. Net Elec Ener (MWH)	533,547	5,483,227	37,560,463
20. Unit Service Factor	100.0	88.8	60.1
21. Unit Avail Factor	100.0	88.8	64.4
22. Unit Cap Factor (MDC Net)	92.5	80.8	55.1
23. Unit Cap Factor (DER Net)	91.0	79.4	54.2
24. Unit Forced Outage Rate	.0	4.0	22.9
25. Forced Outage Hours	.0	323.3	11,988.6

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

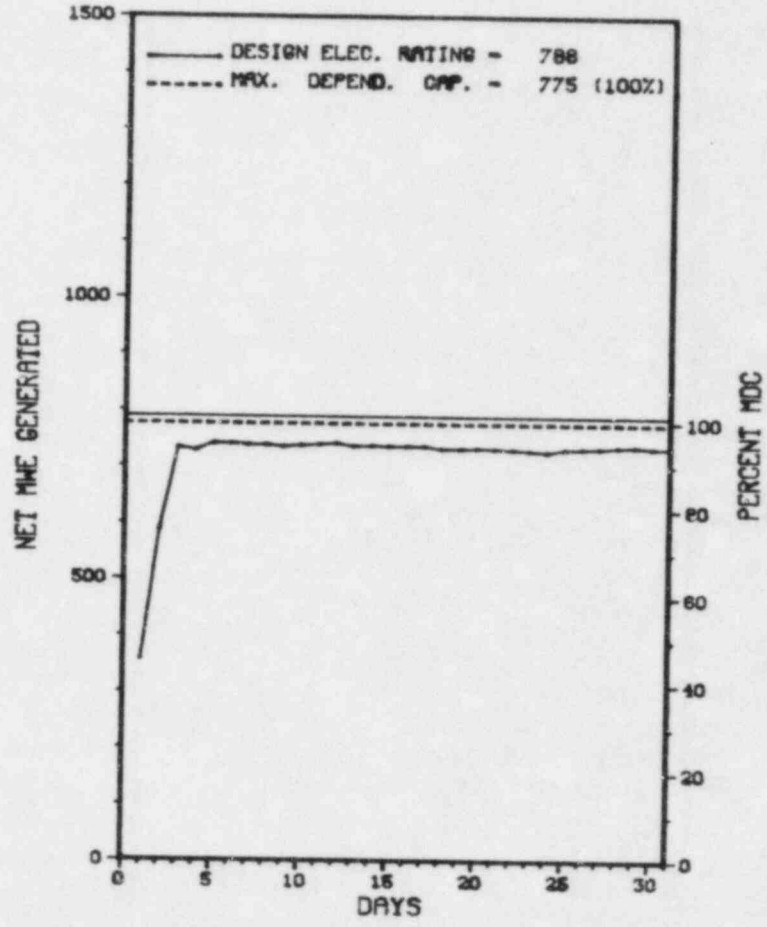
REFUELING - 02/08/83 - 74 DAYS

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

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SURRY 1

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

NONE

SUMMARY

SURRY 1 OPERATED AT NEAR FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL OPERATE....DECEMBER 22, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE....DPR-32, MAY 25, 1972

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-5 (82-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 39 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS, RADIOACTIVE WASTE SHIPMENTS, RADIOLOGICAL SURVEYS, INSTRUMENTS AND EQUIPMENT, POSTING LABELING AND CONTROL, NON RADIOACTIVE SYSTEMS, QUALIFICATIONS, EFFLUENT RELEASE RECORDS, AND RESIN HANDLING. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO FOLLOW STATION PROCEDURES AND FAILURE TO POST RADIOACTIVE MATERIAL AREAS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 1-31, 1982 +

INSPECTION REPORT NO: 50-280/82-35 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-098/ 03L-0	09/19/82	10/14/82	ALARM SETPOINT FOR THE LIQUID WASTE MONITOR EXCEEDED THE ALLOWABLE DUE TO DEFECTIVE LOG RATE BOARD
82-100/ 03L-0	09/22/82	10/22/82	SENSING LINES TO THE SERVICE WATER STRAINERS DELTA P GAUGES BECAME AIRBOUND. DUE TO AIR BEING INJECTED INTO THE SERVICE WATER LINES UPSTREAM OF THE PUMP
82-102/ 03L-0	09/23/82	10/22/82	COTTER PIN ATTACHING SNUBBER TO THE MAIN STEAM LINE WAS PARTIALLY OUT CAUSE COULD NOT BE DETERMINED
82-103/ 03L-0	09/27/82	10/22/82	AT 100% POWER, TESTING REVEALED THAT AMP READINGS FOR HEAT TRACING BELOW THE ACCEPTANCE CRITERIA A DESIGN CHANGE HAS BEEN INITIATED
83-111/ 03L-0	10/17/82	11/15/82	CONTROL ROD DECLARED INOPERABLE A CONTACT PIN IN THE STATIONARY COIL PLUG WAS NOT MAKING ELECTRICAL CONTACT
82-120/ 03L-0	10/20/82	11/19/82	BOTH CONTAINMENT VACUUM PUMPS WERE DECLARED INOPERABLE WHEN THEY FAILED TO DEVELOP FLOW. DUE TO WATER DAMAGE TO THE CARBON VANES
82-121/ 03L-0	10/26/82	11/24/82	ALARM SETPOINT FOR THE LIQUID WASTE MONITOR, EXCEEDED THE ALLOWABLE LIMITS DUE TO INSTRUMENT DRIFT

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	84,768.0
13. Hours Reactor Critical	366.0	7,813.8	52,674.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	358.0	7,732.4	51,844.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	851,986	17,944,060	121,241,345
18. Gross Elec Ener (MWH)	278,890	5,805,540	39,477,719
19. Net Elec Ener (MWH)	264,634	5,492,206	37,420,921
20. Unit Service Factor	48.1	88.3	61.2
21. Unit Avail Factor	48.1	88.3	61.2
22. Unit Cap Factor (MDC Net)	45.9	80.9	57.0
23. Unit Cap Factor (DER Net)	45.1	79.6	56.0
24. Unit Forced Outage Rate	1.6	2.4	15.3
25. Forced Outage Hours	5.9	193.8	6,724.3

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

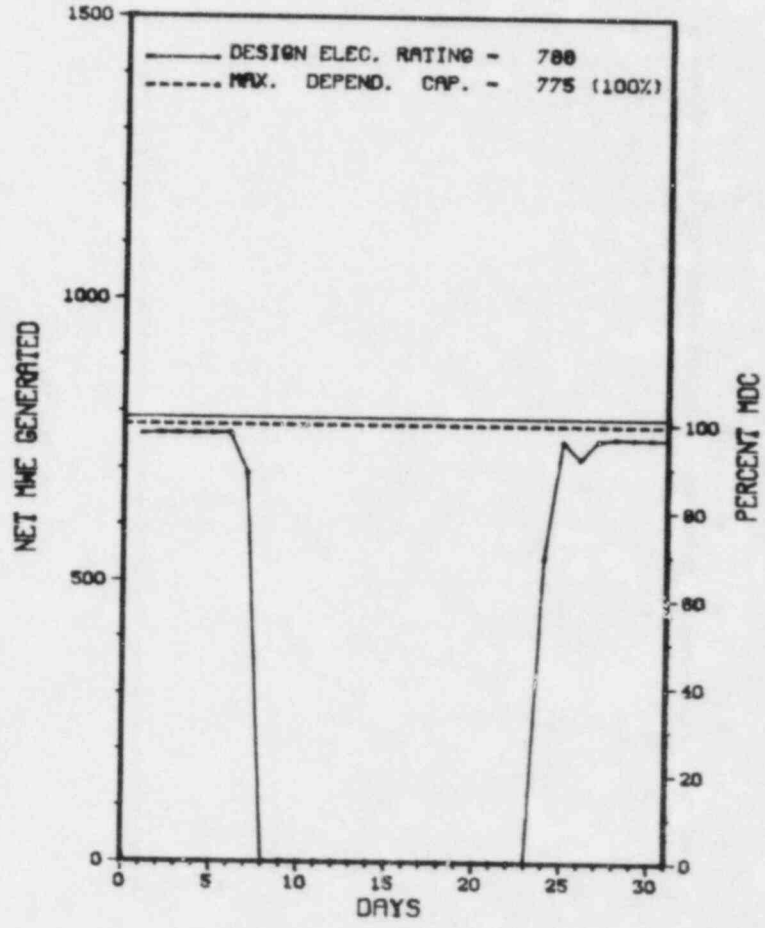
MAINTENANCE - 03/25/83 - 10 DAYS

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

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-40	12/08/82	S	380.1	B	1	82-073/03L	CC	INSTRU	UNIT TAKEN OFF THE LINE FOR MAINTENANCE OUTAGE.
82-41	12/23/82	F	5.9	G	3				REACTOR TRIPPED DURING STARTUP WHILE IN MANUAL FEED CONTROL, DUE TO A HIGH LEVEL IN "C" STEAM GENERATOR.

****
* SUMMARY *
****

SURRY 2 OPERATED ROUTINELY WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	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	

****
* SURRY 2 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MARCH 7, 1973

DATE ELEC ENER 1ST GENER...MARCH 10, 1973

DATE COMMERCIAL OPERATE....MAY 1, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-281

LICENSE & DATE ISSUANCE....DPR-37, JANUARY 29, 1973

PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-5 (82-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 38 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORTS, FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS, RADIOACTIVE WASTE SHIPMENTS, RADIOLOGICAL SURVEYS, INSTRUMENTS AND EQUIPMENT, POSTING LABELING AND CONTROL, NON RADIOACTIVE SYSTEMS, QUALIFICATIONS, EFFLUENT RELEASE RECORDS, AND RESIN HANDLING. OF THE 10 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS; TWO APPARENT VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO FOLLOW STATION PROCEDURES AND FAILURE TO POST RADIOACTIVE MATERIAL AREAS).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 1-31, 1982 +

INSPECTION REPORT NO: 50-281/82-35 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-387 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: L. A. KUCZYNSKI (717) 542-2181
4. Licensed Thermal Power (MWt): 3293
5. Nameplate Rating (Gross MWe): 1180 X 0.9 = 1052
6. Design Electrical Rating (Net MWe): 1011
7. Maximum Dependable Capacity (Gross MWe): 1011
8. Maximum Dependable Capacity (Net MWe): 1011
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	1,092.5	1,092.5
13. Hours Reactor Critical	673.5	930.0	930.0
14. Rx Reserve Shtdwn Hrs	33.1	64.6	64.6
15. Hrs Generator On-Line	640.4	852.6	852.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	971,998	1,157,557	1,157,557
18. Gross Elec Ener (MWH)	299,430	344,420	344,420
19. Net Elec Ener (MWH)	282,657	321,305	321,305
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	54.3	121.5	121.5

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

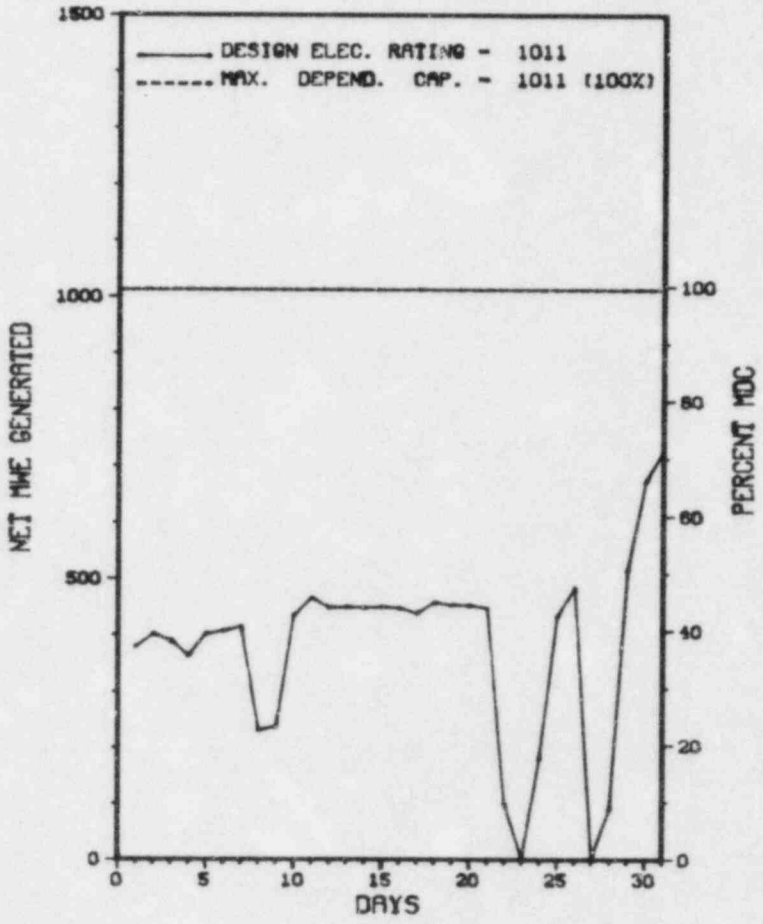
NONE

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

****
* SUSQUEHANNA 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

SUSQUEHANNA 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	12/08/82	F	16.0	H	3		CH	INSTRU	SCRAM OCCURRED DURING THE PERFORMANCE OF A SURVEILLANCE TEST. AN I&C TECHNICIAN OPENED A LINK ON A FEEDWATER CONTROL LOOP WHILE IT WAS STILL SELECTED TO CONTROL RPV LEVEL. HE WAS COUNSELED BY HIS SUPERVISOR AND SUCCESSFULLY PERFORMED THE REMAINDER OF THE TEST UNDER THE DIRECT SUPERVISION OF THAT SUPERVISOR.
7	12/22/82	S	49.3	B	3		ZZ	ZZZZZZ	AS PART OF SCHEDULED STARTUP TESTING, GENERATOR OUTPUT BREAKERS WERE OPENED, CAUSING A REACTOR SCRAM ON TURBINE CONTROL VALVE FAST CLOSURE TRIP.
8	12/27/82	F	38.3	A	1		HA	INSTRU	LEAKING O-RING ON MAIN TURBINE CONTROL VALVE EHC CONTROL PACK. O-RING REPLACED AND UNIT RETURNED TO SERVICE.

SUMMARY

SUSQUEHANNA 1 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

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

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

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.....G. RHOADS

LICENSING PROJ MANAGER.....R. PERCH
DOCKET NUMBER.....50-387

LICENSE & DATE ISSUANCE....., NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	73,033.0
13. Hours Reactor Critical	.0	.0	31,731.8
14. Rx Reserve Shtdwn Hrs	.0	1.0	839.5
15. Hrs Generator On-Line	.0	.0	31,180.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	76,531,071
18. Gross Elec Ener (MWH)	0	0	25,484,330
19. Net Elec Ener (MWH)	0	0	23,840,053
20. Unit Service Factor	.0	.0	42.7
21. Unit Avail Factor	.0	.0	42.7
22. Unit Cap Factor (MDC Net)	.0	.0	41.6*
23. Unit Cap Factor (DER Net)	.0	.0	39.9
24. Unit Forced Outage Rate	100.0	100.0	52.5
25. Forced Outage Hours	744.0	8,760.0	34,365.5

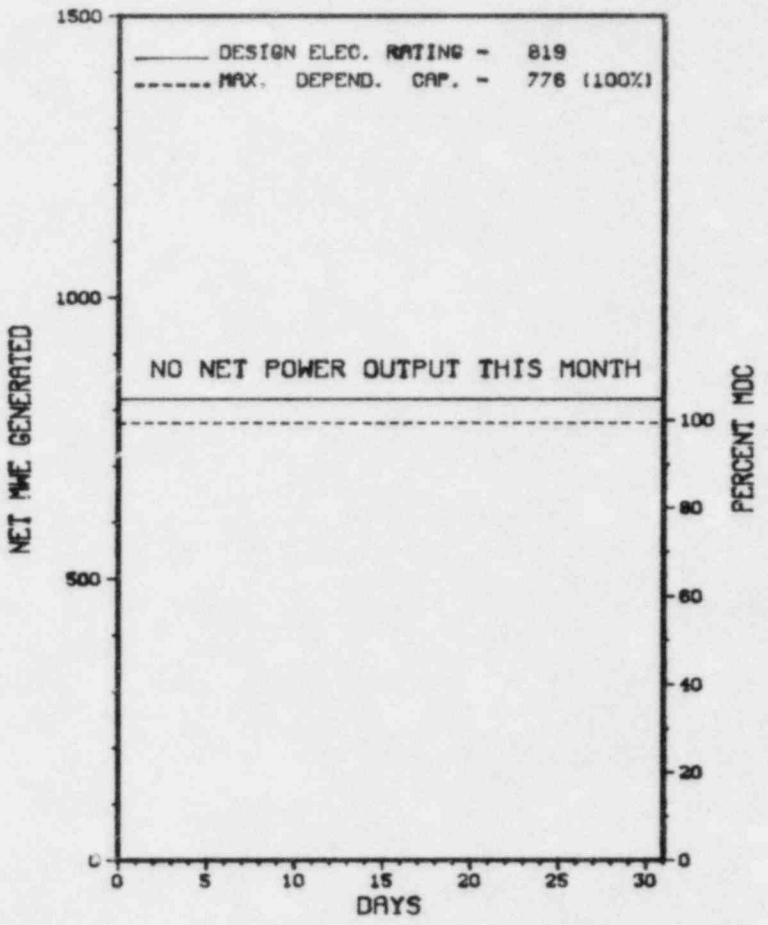
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* THREE MILE ISLAND 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/01/82	F	744.0	D	1				REGULATORY RESTRAINT ORDER CONTINUES.

****
* SUMMARY *
****

THREE MILE ISLAND 1 REMAINS SHUTDOWN FOLLOWING THE ACCIDENT AT UNIT 2.

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

****
* THREE MILE ISLAND 1 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....DAUPHIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 5, 1974

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

DATE COMMERCIAL OPERATE....SEPTEMBER 2, 1974

CONDENSER COOLING METHOD... COOLING TOWERS

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.

CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....R. CONTE

LICENSING PROJ MANAGER.....J. VANVLIET
DOCKET NUMBER.....50-289

LICENSE & DATE ISSUANCE....DPR-50, APRIL 19, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 20.201(B), YOU FAILED TO MAKE SUCH SURVEYS AS WERE NECESSARY TO ASSURE COMPLIANCE WITH 10 CFR 20.101(A), "RADIATION DOSE STANDARDS FOR INDIVIDUALS IN RESTRICTED AREAS." SPECIFICALLY, ON 10/14/82, A PREVIOUSLY UNSURVEYED BAG OF TRASH IN THE "B" LOWER ONCE THROUGH STEAM GENERATOR TENT WAS FOUND TO READ GREATER THAN 600 MR/HR. THE TRASH HAD BEEN IN THE TENT FOR MORE THAN 24 HOURS. ITS PRESENCE INDICATED A FAILURE TO MAKE SUCH RADIATION SURVEYS AS WERE NECESSARY TO ADEQUATELY CONTROL EXPOSURES TO RADIATION (RADIATION LEVELS WAS NOT IDENTIFIED ON THE RADIATION WORK PERMIT).
(8222 4)

OTHER ITEMS

****
* THREE MILE ISLAND 1 *
****

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

1. Docket: 50-344 OPERATING STATUS

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: BILL NICHOLSON (503) 556-3713 EXT. 409

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	55,512.0
13. Hours Reactor Critical	744.0	4,895.3	34,358.5
14. Rx Reserve Shtdwn Hrs	.0	571.3	2,743.1
15. Hrs Generator On-Line	744.0	4,754.3	33,242.5
16. Unit Reserve Shtdwn Hrs	.0	571.3	2,080.0
17. Gross Therm Ener (MWH)	2,524,054	15,601,588	105,120,365
18. Gross Elec Ener (MWH)	838,719	5,076,565	34,245,936
19. Net Elec Ener (MWH)	796,160	4,802,041	32,332,730
20. Unit Service Factor	100.0	54.3	59.9
21. Unit Avail Factor	100.0	60.8	63.6
22. Unit Cap Factor (MDC Net)	99.1	50.8	53.9
23. Unit Cap Factor (DER Net)	94.7	48.5	51.5
24. Unit Forced Outage Rate	.0	6.4	19.8
25. Forced Outage Hours	.0	323.7	8,182.5

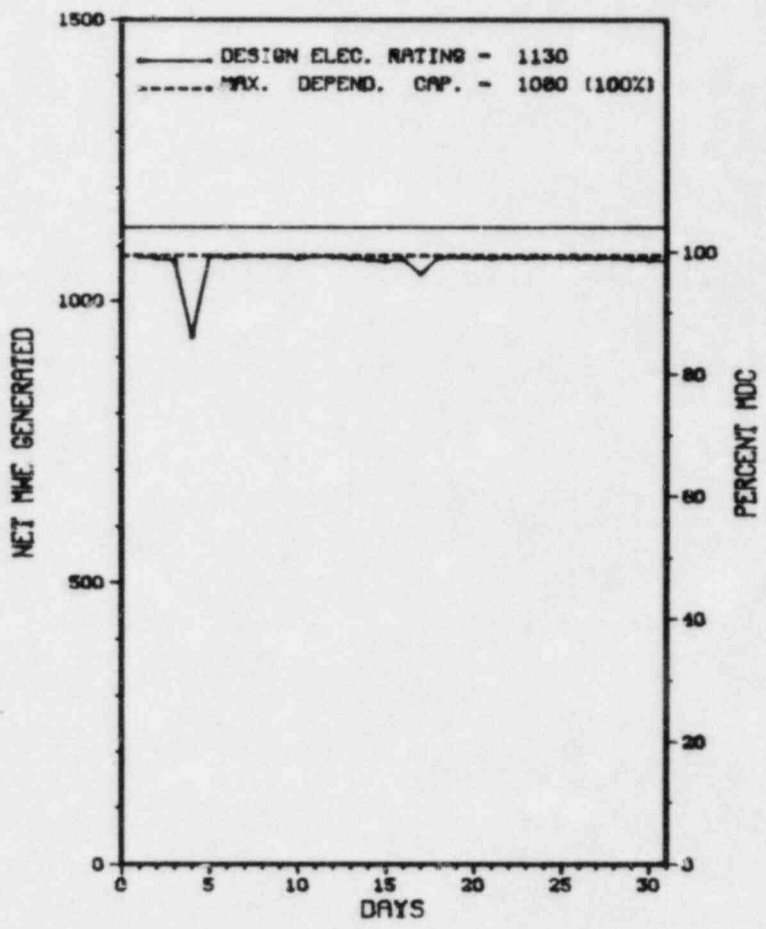
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING, APRIL 29, 1983 (60 DAYS)

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

TROJAN

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* TROJAN *
****

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

****
* SUMMARY *
****

TROJAN OPERATED AT OR NEAR FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING DECEMBER.

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

****
* TROJAN *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON

COUNTY.....COLUMBIA

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...42 MI N OF
PORTLAND, ORE

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 15, 1975

DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975

DATE COMMERCIAL OPERATE....MAY 20, 1976

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....COLUMBIA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC

CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....M. MALMROS

LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-344

LICENSE & DATE ISSUANCE....NPF-1, NOVEMBER 21, 1975

PUBLIC DOCUMENT ROOM.....MULTNOMAH COUNTY LIBRARY
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97205

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 29 - DECEMBER 03, 1982 (REPORT NO. 50-344/82-33) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONAL BASED INSPECTOR OF RADIOACTIVE WASTE SYSTEMS; LIQUID MONITORING SYSTEMS INCLUDING CALIBRATIONS, RADIOACTIVE LIQUID EFFLUENT RELEASES, RECORDS AND REPORTS; TESTING OF AIR CLEANING SYSTEMS; CALIBRATION AND MAINTENANCE OF METEROLOGICAL SYSTEM; SPECIFIC ACTIVITY LEVELS OF PRIMARY AND SECONDARY SYSTEMS; SEALED SOURCE CONTAMINATION CHECKS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REVIEW OF ANNUAL AND SEMI-ANNUAL REPORTS OF EFFLUENT RELEASES; LICENSEE ACTION ON IE NOTICES; TRAINING AND QUALIFICATION OF C&RPT AND A TOUR OF THE LICENSEE'S FACILITY. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 08 - DECEMBER 03, 1982 (REPORT NO. 50-344/82-34) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS, SURVEILLANCE TESTING, MAINTENANCE, SECURITY, EMERGENCY PREPAREDNESS ORGANIZATION, REVIEW AND AUDIT, AND FOLLOW-UP ON LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED 88 INSPECTOR-HOURS ONSITE BY THE NRC SENIOR RESIDENT INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 16-19, 1982 (REPORT NO. 50-344/82-35) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PLAN EXERCISE AND ASSOCIATED CRITIQUES. THE INSPECTION INVOLVED 79 INSPECTOR-HOURS ONSITE BY 6 NRC INSPECTORS.

****
* TROJAN *
****

INSPECTION SUMMARY

+ INSPECTION ON DECEMBER 06, 1982 - JANUARY 06, 1983 (REPORT NO. 50-344/82-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT OPERATED AT OR NEAR FULL POWER THROUGHOUT THE MONTH OF DECEMBER.

LAST IE SITE INSPECTION DATE: 12/06/82-01/06/83+

INSPECTION REPORT NO: 50-344/82-36+

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
82-17/ 03L-0	09-16-82	- -	BORIC ACID STORAGE TANK-CONCENTRATION AND INVENT FELL BELOW TECHNICAL SPECIFICATION IMITS DUE TO LLEAKING VALVES.
82-19/ 03L-0	10-07-82	- -	SERVICE WATER VALVES FOUND WITHOUT LOCKING DEVICES OR INCLUSION ON THE LOCKED VALVE LIST. V
82-20/ 03L-0	10-13-82	- -	CONTROL ROOM FAN DAMPER FOUND INOPERABLE DUE TO LOOSE SET SCREW.

1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: V. T. CHILSON (305) 552-3824

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): 680

8. Maximum Dependable Capacity (Net MWe): 646

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	88,305.6
13. Hours Reactor Critical	742.5	5,759.2	61,519.4
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	741.0	5,614.1	59,505.4
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	1,618,792	12,220,357	121,417,912
18. Gross Elec Ener (MWH)	535,815	3,968,365	38,661,990
19. Net Elec Ener (MWH)	511,465	3,765,886	36,587,552
20. Unit Service Factor	99.6	64.1	67.4
21. Unit Avail Factor	99.6	64.1	67.5
22. Unit Cap Factor (MDC Net)	106.4	66.5	64.1*
23. Unit Cap Factor (DER Net)	99.2	62.0	59.8
24. Unit Forced Outage Rate	.4	11.4	5.7
25. Forced Outage Hours	3.0	724.9	3,049.1

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

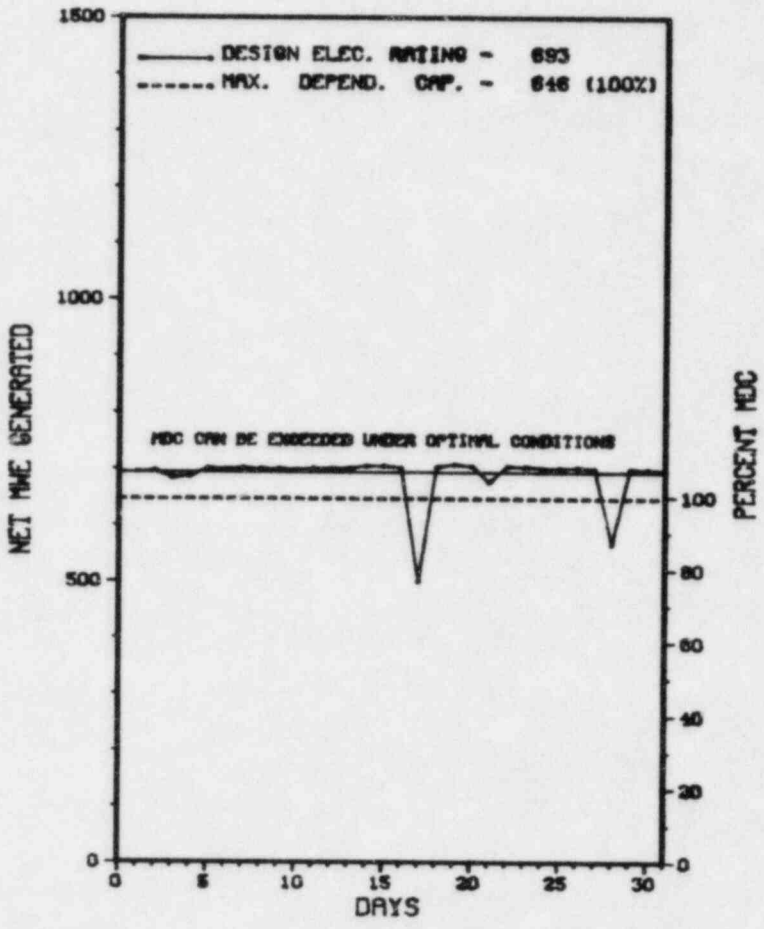
NONE

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

****
* TURKEY POINT 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/17/82	F	0.0	A	5		HC	HTEXCH	POWER WAS REDUCED TO REPAIR A MAIN CONDENSER TUBE LEAK.
17	12/28/82	F	3.0	H	3		IA	INSTRU	REACTOR WAS TRIPPED BY A SPURIOUS SIGNAL WHILE PERFORMING A NUCLEAR INSTRUMENTATION PERIODIC TEST. A MODULE WAS REPLACED AND THE UNIT RETURNED TO POWER.

SUMMARY

TURKEY POINT 3 OPERATED ROUTINELY WITH 1 OUTAGE AND 1 REDUCTION DURING DECEMBER.

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

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

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PW

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. VOGT LOWELL

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972

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MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-4 (82-32): THIS INSPECTION INVOLVED 40 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION - REVIEW OF PROCEDURES INSERVICE INSPECTION - OBSERVATION OF WORK AND WORK ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 26 - NOVEMBER 25 (82-37): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 148 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONS; SURVEILLANCE TESTING; MAINTENANCE ACTIVITIES AND PLANT TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO PERFORM A SAFETY EVALUATION FOR PLANT CHANGES).

INSPECTION NOVEMBER 29 - DECEMBER 3 (82-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 5 INSPECTOR-HOURS ON SITE IN THE AREA OF FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1, REQUIRES THAT PROCEDURES BE IMPLEMENTED. CONTRARY TO THE ABOVE, STEP 8.2 OF OPERATING PROCEDURE OP 2500.1, "HEAT TRACING SYSTEM - NORMAL OPERATION" (REVISION 4-15-82) WAS NOT FOLLOWED IN THAT CIRCUITS 2, 23 AND 57 WERE IN THE BLOCKED POSITION WITHOUT OPERATING CONDITION JUSTIFICATION AT 2:00 PM ON SEPT. 17, 1982. TECHNICAL SPECIFICATION 6.8.1, REQUIRES THAT PROCEDURES BE IMPLEMENTED. CONTRARY TO THE ABOVE, STEP 8.2 OF OPERATING PROCEDURE OP 2500.1, "HEAT TRACING SYSTEM - NORMAL

ENFORCEMENT SUMMARY

OPERATION" (REVISION 4-15-82) WAS NOT FOLLOWED IN THAT CIRCUITS 2, 23 AND 57 WERE IN THE BLOCKED POSITION WITHOUT OPERATING CONDITION JUSTIFICATION AT 2:00 PM ON SEPT. 17, 1982. TECHNICAL SPECIFICATION 6.8.1, REQUIRES THAT PROCEDURES BE IMPLEMENTED. CONTRARY TO THE ABOVE, STEPS 8.1.4 AND 8.1.8 OF OPERATING PROCEDURE OP 190.19, "CONTROL OF MAINTENANCE ON NUCLEAR SAFETY RELATED AND FIRE PROTECTION SYSTEMS" WERE NOT COMPLETELY FOLLOWED THUS ALLOWING MAINTENANCE TO BE PERFORMED ON THE REACTOR PROTECTION SYSTEM WITHOUT THE USE OF AN APPROVED PROCEDURE THEREBY RESULTING IN THE UNIT 4 REACTOR TRIP FROM 100% POWER ON SEPT. 14, 1982 AT 1:27 A.M.
(8230 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 11-14, 1983 +

INSPECTION REPORT NO: 50-250/83-01 +

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
82-013/ 03L-0	09/17/82	10/18/82	C AUXILIARY FEEDWATER PUMP FAILED TO RUN DUE TO STEAM TURBINE PRESSURE CONTROL VALVE NOT CLOSING COMPLETELY, VALVE WAS REPAIRED
82-014/ 01T-0	11/06/82	11/20/82	PROCEDURAL VIOLATION BY PLANT PERSONNEL WHILE PERFORMING THE TRANSFER OF WATER

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: V. T. CHILSON (305) 552-3824

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): 680

8. Maximum Dependable Capacity (Net MWe): 646

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	82,033.0
13. Hours Reactor Critical	.0	5,876.2	59,855.5
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	.0	5,811.6	57,896.3
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	0	12,710,621	121,927,244
18. Gross Elec Ener (MWH)	0	4,053,505	38,775,572
19. Net Elec Ener (MWH)	-1,027	3,844,893	36,733,671
20. Unit Service Factor	.0	66.3	70.6
21. Unit Avail Factor	.0	66.3	70.6
22. Unit Cap Factor (MDC Net)	.0	67.9	69.3*
23. Unit Cap Factor (DER Net)	.0	63.3	64.6
24. Unit Forced Outage Rate	.0	11.8	3.9
25. Forced Outage Hours	.0	778.6	1,989.5

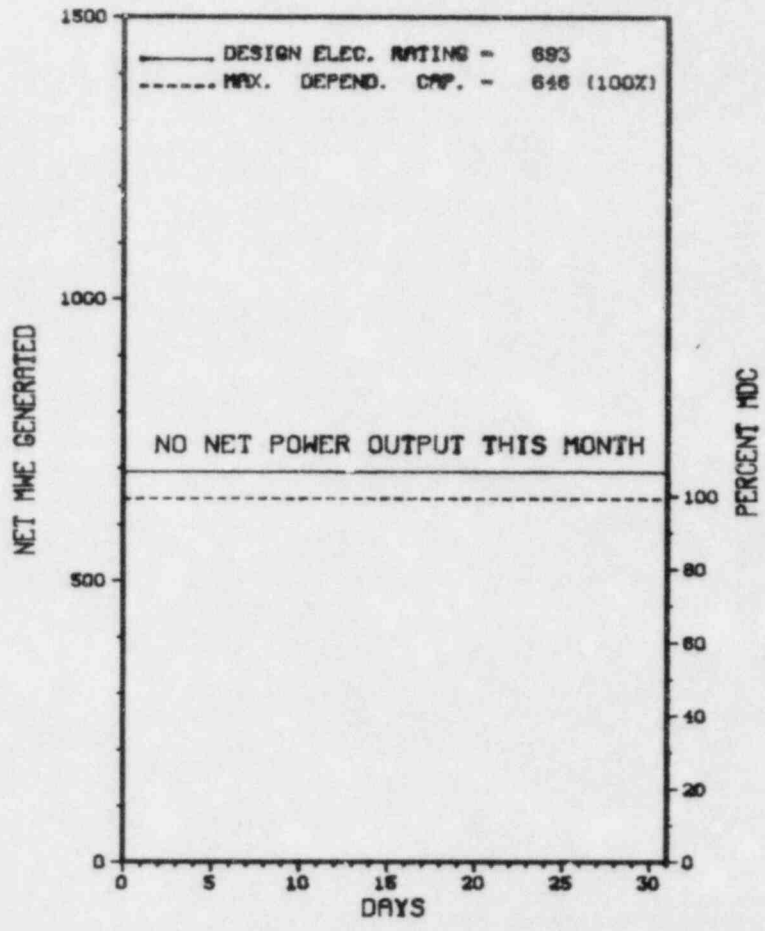
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/83

****
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* TURKEY POINT 4 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	10/09/82	S	744.0	H	4		HB	HTEXCH	STEAM GENERATOR REPAIR PROGRAM IN ACCORDANCE WITH PARAGRAPH III.H OF THE UNIT 4 FACILITY OPERATING LICENSE DPR 41.

****
* SUMMARY *
****

TURKEY POINT 4 REMAINS SHUTDOWN IN A CONTINUING REPAIR OUTAGE.

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

****
* TURKEY POINT 4 *
****

FACILITY DATA

Report Period DEC 1982

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....BISCAYNE BAY

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. VOGT LOWELL

LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251

LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973

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MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 1-4 (82-32): THIS INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 26 - NOVEMBER 25 (82-37): THIS ROUTINE ANNOUNCED INSPECTION INVOLVED 148 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONS; SURVEILLANCE TESTING; MAINTENANCE ACTIVITIES AND PLANT TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO PERFORM A SAFETY EVALUATION FOR PLANT CHANGES).

INSPECTION NOVEMBER 29 - DECEMBER 3 (82-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIATION PROTECTION FOR UNIT 4 STEAM GENERATOR REPLACEMENT, INCLUDING PROCEDURES REVIEW, RADIOLOGICAL SURVEYS, RADIATION WORK PERMITS, EFFLUENT RELEASES, TRAINING, POSTING, LABELING AND CONTROL OF RADIOLOGICAL AREAS AND FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA; ONE APPARENT VIOLATION WAS FOUND IN THE OTHER AREA (FAILURE TO POST RADIATION AREAS).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1, REQUIRES THAT PROCEDURES BE IMPLEMENTED. CONTRARY TO THE ABOVE, THE LOCK REMOVED FROM VALVE

ENFORCEMENT SUMMARY

4-20-239, "4B STEAM GENERATOR SUPPLY FROM THE AUXILIARY FEEDWATER PUMP" WAS NOT LOGGED IN THE "LOCK DEVIATION LIST" AS REQUIRED BY STEP 8.2.3 OF PROCEDURE A.P. 0103.5, "ADMINISTRATIVE CONTROL OF VALVES, LOCKS AND SWITCHES".
(8230 5)

TECH. SPEC. 6.8.1, REQUIRES THAT PROCEDURES BE IMPLEMENTED. CONTRARY TO THE ABOVE, STEP 8.1.5 OF A.P. 190.19 AND STEP 8.2 OF A.P. 103.11 WERE NOT IMPLEMENTED IN THAT THE QC PRE-JOB REVIEW DID NOT IDENTIFY ON PWO-4426 DATED 9-9-82 THE ABSENCE OF PROVISIONS FOR REINSTALLATION OF LOGGING ON THE LINES SERVED BY HEAT TRACKING CIRCUIT 54 AND SUBSEQUENT TO THE MAINTENANCE ON SAID CIRCUIT, THE LOGGING WAS NOT RESTORED TO ITS ORIGINAL CONDITION.
(8234 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

OUTAGE FOR STEAM GENERATOR REPLACEMENT.

LAST IE SITE INSPECTION DATE: JANUARY 11-14, 1983 +

INSPECTION REPORT NO: 50-251/83-01 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-271 OPERATING STATUS
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: ANNE DOYLE (617) 872-8100
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	8,760.0	90,098.8
13. Hours Reactor Critical	744.0	8,464.8	73,542.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	8,408.5	71,419.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,150,300	13,123,481	103,039,237
18. Gross Elec Ener (MWH)	391,721	4,389,176	34,261,147
19. Net Elec Ener (MWH)	375,796	4,174,255	32,490,541
20. Unit Service Factor	100.0	96.0	79.3
21. Unit Avail Factor	100.0	96.0	79.3
22. Unit Cap Factor (MDC Net)	100.2	94.5	71.5
23. Unit Cap Factor (DER Net)	98.3	92.7	70.2
24. Unit Forced Outage Rate	.0	2.9	6.4
25. Forced Outage Hours	.0	253.6	3,571.1

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

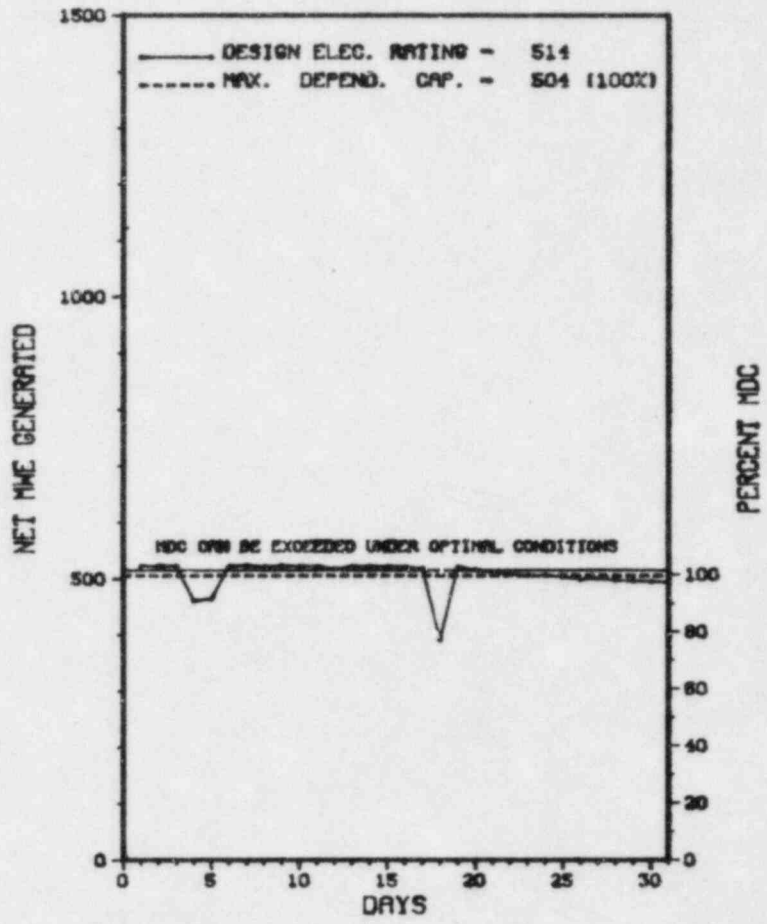
REFUELING & MAINTENANCE-03/05/83 - 8 WEEKS

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

****
* VERMONT YANKEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



DECEMBER 1982

Report Period DEC 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* VERMONT YANKEE 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-22	12/04/82	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT AND TURBINE SURVEILLANCE.
82-23	12/18/82	F	0.0	H	5		HF	FILTER	POWER REDUCTION TO CORRECT HEAVY ICING OF CIRCULATING WATER INTAKE SCREENS.
82-24	12/18/82	S	0.0	B	5		CD	VALVEX	POWER REDUCTION TO REPAIR A MAIN STEAM ISOLATION VALVE PACKING LEAK.

****
* SUMMARY *
****

VERMONT YANKEE OPERATED WITH 3 REDUCTIONS AND NO OUTAGES DURING THE REPORT PERIOD.

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

****
* VERMONT YANKEE 1 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE....NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CONNECTICUT RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER

CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....EBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....W. RAYMOND

LICENSING PROJ MANAGER.....V. RODNEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

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BRATTLEBORO, VERMONT 05301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 71.62(C), ON 6/25/82, THE LICENSE DID NOT MAINTAIN RECORDS OF MONITORING, INSPECTION & AUDITING OF WORK PERFORMANCE DURING MAINTENANCE & REPAIR FOR LICENSED SHIPPING PACKAGES AUTHORIZED BY USNRC CERTIFICATES OF COMPLIANCE NUMBERS 6574 & 9079 IN THAT RECORDS AVAILABLE FOR INSPECTION DID NOT INDICATE REPLACEMENT OF DEFECTIVE SEALS, OR REPLACEMENT OF SEALS EVERY 12 MONTHS, WHICHEVER OCCURS FIRST, AS REQUIRED BY SECTION 8 OF EACH CERTIFICATE OF COMPLIANCE. THE LICENSEE SHIPPED RADIOACTIVE MATERIAL IN THE 6574 PACKAGE ON 4/22/82. THE 9079 PACKAGE WAS USED TO SHIP RADIOACTIVE MATERIAL ON 6/2/82.
(8213 5)

CONTRARY TO TS 6.5.A & AP-0043, THE LICENSEE FAILED TO KEEP A FIRE CONTROL AREA FREE OF COMBUSTIBLE MATERIALS DURING WELDING OPERATIONS ON 10/28/82 ON THE REACTOR BUILDING 252 FT. ELEVATION.
(8219 5)

OTHER ITEMS

****
* VERMONT YANKEE 1 *
****

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: ANNE DOYLE (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): 175

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	8,760.0	193,941.0
13. Hours Reactor Critical	469.8	6,529.2	153,460.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	379.0	6,429.1	148,909.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	179,493	3,687,879	80,192,813
18. Gross Elec Ener (MWH)	54,562	951,179	24,290,872
19. Net Elec Ener (MWH)	50,572	882,161	22,725,255
20. Unit Service Factor	50.9	73.4	76.8
21. Unit Avail Factor	50.9	73.4	76.8
22. Unit Cap Factor (MDC Net)	38.8	57.5	68.9*
23. Unit Cap Factor (DER Net)	38.8	57.5	68.9*
24. Unit Forced Outage Rate	.0	.4	5.0
25. Forced Outage Hours	.0	27.3	6,729.4

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

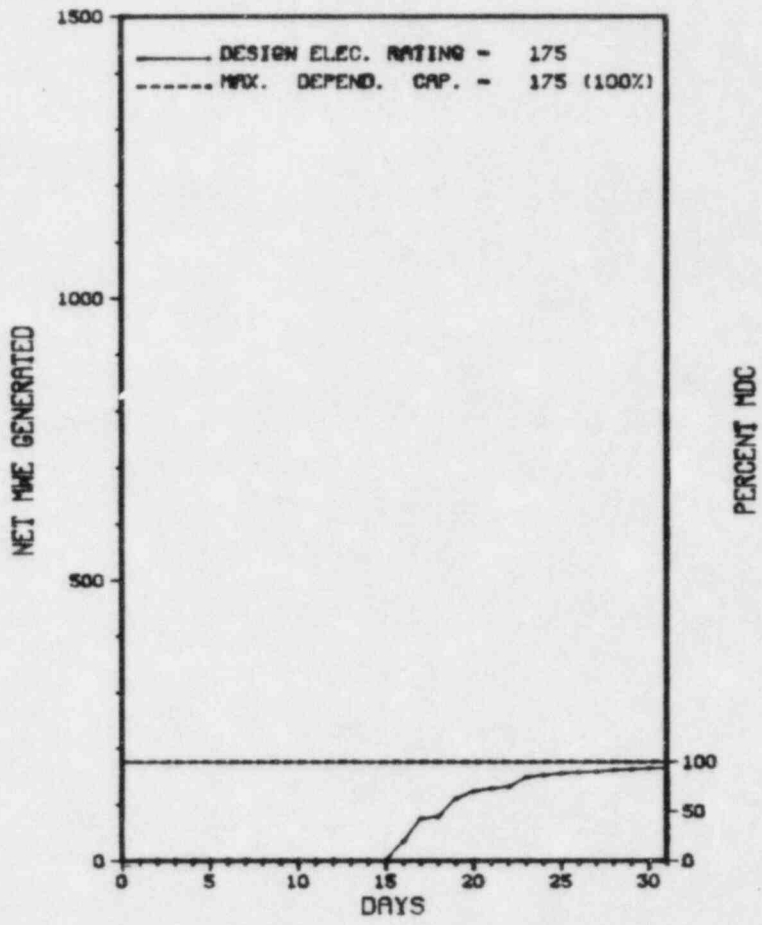
NONE

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

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



DECEMBER 1982

* Item calculated with a Weighted Average

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

YANKEE-ROWE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	09/11/82	S	365.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONCLUDES.

SUMMARY

YANKEE-ROWE RETURNED ONLINE FROM REFUELING AND MAINTENANCE ON DECEMBER 16TH AND OPERATED ROUTINELY THE REMAINDER OF THE PERIOD.

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

****
* YANKEE-ROWE 1 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....FRANKLIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 19, 1960

DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960

DATE COMMERCIAL OPERATE....JULY 1, 1961

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DEERFIELD RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC

CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....S. COLLINS

LICENSING PROJ MANAGER.....J. LYONS
DOCKET NUMBER.....50-029

LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963

PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

****
* YANKEE-ROWE 1 *
****

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

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

1. Docket: 50-295 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: J. COOK (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	8,760.0	78,912.0
13. Hours Reactor Critical	744.0	5,318.9	56,275.5
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	744.0	5,175.2	54,726.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,870,164	15,187,754	156,553,407
18. Gross Elec Ener (MWH)	606,425	4,946,677	50,472,477
19. Net Elec Ener (MWH)	575,352	4,695,388	47,887,129
20. Unit Service Factor	100.0	59.1	69.4
21. Unit Avail Factor	100.0	59.1	69.4
22. Unit Cap Factor (MDC Net)	74.4	51.5	58.4
23. Unit Cap Factor (DER Net)	74.4	51.5	58.4
24. Unit Forced Outage Rate	.0	24.8	14.1
25. Forced Outage Hours	.0	1,704.6	8,373.3

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

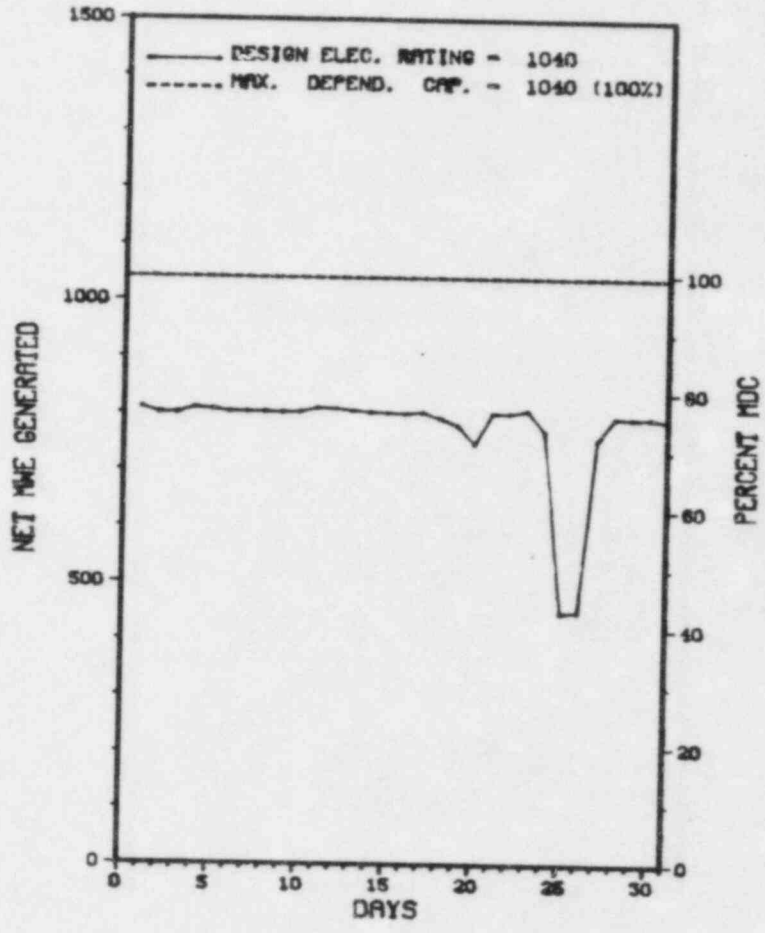
NONE

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

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	12/24/82	S	0.0	H	5				SYSTEM POWER DEMAND REQUIRED TO REDUCE WEEKEND LOAD.

****
* SUMMARY *
****

ZION 1 OPERATED WITH 1 REDUCTION AND NO OUTAGES DURING DECEMBER.

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

****
* ZION 1 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 19, 1973

DATE ELEC ENER 1ST GENER...JUNE 28, 1973

DATE COMMERCIAL OPERATE....DECEMBER 31, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WATERS

LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295

LICENSE & DATE ISSUANCE....DPR-39, OCTOBER 19, 1973

PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 25-29, (82-20): LICENSEE ACTION ON FOUR PREVIOUS INSPECTION FINDINGS; REVIEW OF NON-LICENSED PERSONNEL TRAINING AND LICENSED OPERATOR REQUALIFICATION TRAINING PROCEDURES AND RECORDS; OBSERVATION OF NGET TRAINING; REVIEW OF OFFSITE TRAINING PROGRAM AUDIT; AND REVIEW OF SURVEILLANCE AND INSERVICE TESTING PROCEDURES AND RECORDS. THIS INSPECTION INVOLVED 95 ONSITE INSPECTOR-HOURS BY THREE NRC INSPECTORS. IN THE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES; FAILURE TO COMPLY WITH A TECHNICAL SPECIFICATION REQUIREMENT.

INSPECTION ON NOVEMBER 15-19, (82-27): ROUTINE, UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE SYSTEMS, INCLUDING: EFFLUENT RELEASE RATES; RECORDS AND REPORTS OF EFFLUENTS; PROCEDURES FOR CONTROLLING RELEASES; CONTAINMENT AIR-CLEANING SYSTEMS; REACTOR COOLANT WATER QUALITY; AND SOLID RADIOACTIVE WASTE PACKAGING AND SHIPPING. ALSO REVIEWED WERE PAST NONCOMPLIANCE ITEMS, PROGRESS MADE IN TMI ACTION ITEM COMPLETION, TRANSIENT WORKER EXPOSURES, AND A RECENT UNPLANNED GASEOUS EFFLUENT RELEASE. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 15-16, (82-29): LICENSEE ACTIONS RELATIVE TO IE BULLETIN 79-14, INCLUDING FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, WORK PROCEDURE REVIEW, AND OBSERVATION OF WORK. THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS AT THE A-E OFFICE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

****
* ZION 1 *
****

ENFORCEMENT SUMMARY

THE LICENSEE FAILED TO ADEQUATELY SEARCH SOME HANDCARRIED ITEMS.
(8132 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 6-10, 1982

INSPECTION REPORT NO: 82-31

****
* ZION 1 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-41/ 03L-0	11/08/82	12/08/82	SINCE 5/75 ZION HAS OPERATED WITH LOW STEAMLINE PRESSURE COMPENSATION LEAD/LAG SETTINGS DIFFERENT FROM CURRENT WESTINGHOUSE LARGE STEAM BREAK ANALYSIS. THIS IS NON-CONSERVATIVE FOR LOW STEAMLINE PRESSURE SAFETY INJECTION. CALCULATIONS INDICATE THE DIFFERENCE BETWEEN OLD AND NEW LEAD/LAG WOULD CAUSE DELAY IN INITIATING SAFETY INJECTION UPON LARGE STEAM LINE BREAK.
82-42/ 03L-0	11/16/82	12/09/82	RHR MINIFLOW CONTROL VALVE SWITCH HAD FAILED AND WOULD NOT CLOSE THE MINIFLOW VALVE AT 1000 GPM AS DESIGNED.
82-43/ 03L-0	11/11/82	12/17/82	HEATER FAILURE ALARM DISCOVERED ON BORIC ACID TANK SUCTION LINE TO BORIC ACID TRANSFER PUMP. 1 OF 2 HEAT TRACE CIRCUITS HAD FAILED.
82-44/ 03L-0	11/29/82	12/21/82	DURING QUARTERLY OP. TEST, NO. 0 PENETRATION PRESSURIZATION AIR COMPRESSOR FAILED TO UNLOAD ON DEMAND IN MANUAL CONTROL AND WAS DECLARED INOP.
82-45/ 03L-0	12/08/82	12/17/82	EFFICIENCY OF CONTROL ROOM MAKE-UP CHARCOAL FILTER SYSTEM CHEMICAL ANALYSIS FOUND BELOW T.S.
82-46/ 03L-0	12/03/82	12/23/82	DURING MAINTENANCE OF BORIC ACID TRANSFER PUMP THE CROSSTIE VALVE BETWEEN 1A&1B BA TRANSFER PUMPS FOUND LEAKING.

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1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: JOAN COOK (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	8,760.0	72,625.0
13. Hours Reactor Critical	699.3	6,342.5	52,683.5
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	694.2	6,079.8	51,119.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,191,706	17,066,585	144,896,737
18. Gross Elec Ener (MWH)	691,333	5,446,398	46,244,158
19. Net Elec Ener (MWH)	664,507	5,158,063	43,894,980
20. Unit Service Factor	93.3	69.4	70.4
21. Unit Avail Factor	93.3	69.4	70.4
22. Unit Cap Factor (MDC Net)	85.9	56.6	58.1
23. Unit Cap Factor (DER Net)	85.9	56.6	58.1
24. Unit Forced Outage Rate	6.7	30.6	18.7
25. Forced Outage Hours	49.8	2,680.2	11,864.1

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

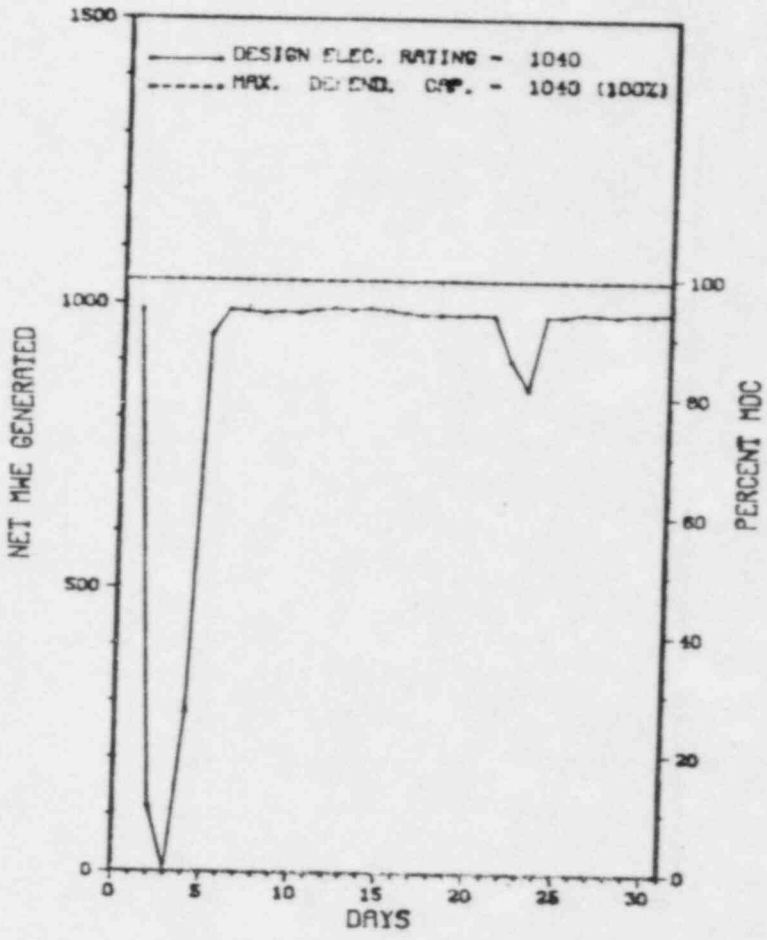
REFUELING & MAINTENANCE - 02/01/83

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

****
* ZION 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



DECEMBER 1982

Report Period DEC 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	12/02/82	F	42.3	H	3				REACTOR TRIP DUE TO AN ELECTRICAL DISTURBANCE.
20	12/04/82	F	7.5	A	3				TURBINE TRIP/REACTOR TRIP DUE TO FEEDWATER CONTROL PROBLEMS.

****
* SUMMARY *
****

ZION 2 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING DECEMBER.

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

****
* ZION 2 *
****

FACILITY DATA

Report Period DEC 1982

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 24, 1973

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

DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WATERS

LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304

LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973

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2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 25-29, (82-18): LICENSEE ACTION ON FOUR PREVIOUS INSPECTION FINDINGS; REVIEW OF NON-LICENSED PERSONNEL TRAINING AND LICENSED OPERATOR REQUALIFICATION TRAINING PROCEDURES AND RECORDS; OBSERVATION OF NGET TRAINING; REVIEW OF OFFSITE ONSITE INSPECTOR-HOURS BY THREE NRC INSPECTORS. IN THE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES; FAILURE TO COMPLY WITH A TECHNICAL SPECIFICATION REQUIREMENT.

INSPECTION ON NOVEMBER 15-19, (82-24): ROUTINE, UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE SYSTEMS, INCLUDING: EFFLUENT RELEASE RATES; RECORDS AND REPORTS OF EFFLUENTS; PROCEDURES FOR CONTROLLING RELEASES; CONTAINMENT AIR-CLEANING SYSTEMS; REACTOR COOLANT WATER QUALITY; AND SOLID RADIOACTIVE WASTE PACKAGING AND SHIPPING. ALSO REVIEWED WERE PAST NONCOMPLIANCE ITEMS, PROGRESS MADE IN TMI ACTION ITEM COMPLETION, TRANSIENT WORKER EXPOSURES, AND A RECENT UNPLANNED GASEOUS EFFLUENT RELEASE. THE INSPECTION INVOLVED 62 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 15-16, (82-26): LICENSEE ACTIONS RELATIVE TO IE BULLETIN 79-14, INCLUDING FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, WORK PROCEDURE REVIEW, AND OBSERVATION OF WORK. THIS INSPECTION INVOLVED 16 INSPECTOR-HOURS AT THE A-E OFFICE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

THE LICENSEE FAILED TO ADEQUATELY SEARCH SOME HANDCARRIED ITEMS.
(8130 4)

ZION TECHNICAL SPECIFICATION 3.9.5.D STATES: "POSITIVE REACTIVITY CHANGES SHALL NOT BE MADE BY BORON DILUTION WHEN THE CONTAINMENT INTEGRITY IS NOT INTACT UNLESS THE REACTOR IS MAINTAINED SUBCRITICAL BY AT LEAST 10% DELTA K/K." CONTRARY TO THE ABOVE, ON SEPTEMBER 28, 1982, A POSITIVE REACTIVITY CHANGE BY BORON DILUTION WAS MADE WITH CONTAINMENT INTEGRITY NOT INTACT AND WITH THE REACTOR SUBCRITICAL BY LESS THAN 10% DELTA K/K.
(8219 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: DECEMBER 6-10, 1982

INSPECTION REPORT NO: 82-28

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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SECTION 3

APPENDIX

STATUS OF SPENT FUEL STORAGE CAPABILITY

PRESSURIZED WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
ARKANSAS 1	177	590	244	346	725	01-83	1986
ARKANSAS 2	177	486	112	374	931	10-83	1989
BEAVER VALLEY 1	157	833	52	781		N/S	1995
CALVERT CLIFFS 1	217	1830(c)	732(c)	1098(c)(m)	1170	09-83	1990
CALVERT CLIFFS 2	217					N/S	1990
COOK 1	193	2050(c)	494(c)	1556(c)		N/S	1994
COOK 2	193					N/S	
CRYSTAL RIVER 3	177	1163	112	1051		03-83	1997
DAVIS-BESSE 1	177	735	92	643		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	62	613	1345	N/S	1991
FARLEY 2(d)	157	675			1407	N/S	1994
FORT CALHOUN 1	133	483	237	246	491	01-83	1985
GINNA	121	595	260	335		N/S	1992
HADDAM NECK	157	1168	441	727		01-83	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	268	214	980	N/S	1984
INDIAN POINT 3	193	837	140	697		N/S	1993
KEWAUNEE	121	990	228	762(m)		N/S	1991
MAINE YANKEE	217	953	577	376	1678	N/S	1987
MCGUIRE 1	193	500	27	473(n)		04-83	1990
MILLSTONE 2	217	667	288	379		05-83	1987
NORTH ANNA 1	157	966(c)	116(c)	850		N/S	1991
NORTH ANNA 2	157					N/S	1990
OCONEE 1	177	1812(1)	980	832(1)(n)		03-83	1991
OCONEE 2	177					N/S	
OCONEE 3	177					N/S	
PALISADES	204	784	412	372		N/S	1988
POINT BEACH 1	121	1502(c)	384(c)	1118(c)		N/S	1995
POINT BEACH 2	121					N/S	
PRAIRIE ISLAND 1	121	1017(c)	481(c)	556(c)(m)	800	N/S	1988
PRAIRIE ISLAND 2	121					06-83	
RANCHO SECO 1	177	579	196	383		07-83	1987
ROBINSON 2	157	276	113	163(e)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		N/S	1996
SALEM 2	193	1170	0	1170		01-83	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SAN ONOFRE 2							
SEQUOYAH 1	193	800	0	800		N/S	1993
SEQUOYAH 2(d)	193	800	0	800			1994
ST LUCIE 1	217	728	280	448		03-83	1990
SUMMER 1							
SURRY 1	157	1044(c)	504(c)	540(c)		02-83	1987
SURRY 2	157					N/S	
THREE MILE ISLAND 1	177	752	208	544		N/S	1986
THREE MILE ISLAND 2	177	442	0	442		N/S	1986
TROJAN	193	651	184	467		05-83	1990
TURKEY POINT 3	157	621	393	228(m)		10-83	1987
TURKEY POINT 4	157	621	378	243		N/S	1988
YANKEE-ROWE 1	76	391	225	166	496	N/S	1988
ZION 1	193	2112(c)	680(c)	1432(c)		N/S	1992
ZION 2	193					02-83	1992

STATUS OF SPENT FUEL STORAGE CAPABILITY

BOILING WATER REACTORS

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	193	132	61	309	05-83	1986
BROWNS FERRY 1	764	3471	816	2655		03-83	1985
BROWNS FERRY 2	764	3471	764	97(m)	1046	N/S	1985
BROWNS FERRY 3	764	3471	620	365(m)		10-83	1985
BRUNSWICK 1	560	(f)	160PWR+476BWR	2296		N/S	1986
BRUNSWICK 2	560		144PWR+914BWR	1958		N/S	1986
COOPER STATION	548	2366	869	1497		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2840(c)	1652 (c)	1358(c)	6491(c)	01-83	1985
DRESDEN 3	724				5422	N/S	
DUANE ARNOLD	368	2050	448	1602		02-83	1998
FITZPATRICK	560	2244	428	1460		N/S	1991
HATCH 1	560	3021	0	3021		N/S	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	165	275		N/S	1990
LASALLE 1							
MILLSTONE 1	580	2184	954	1230		N/S	1991
MONTICELLO	484	2237	1016	1221		10-83	1991
NINE MILE POINT 1	532	1984	1044	940	1965	N/S	1990
OYSTER CREEK 1	560	1800	781	1019		01-83	1987
PEACH BOTTOM 2	764	2816	1170	1646		N/S	1990
PEACH BOTTOM 3	764	2816	928	1888		04-83	1991
PILGRIM 1	580	2320	936	834(m)		N/S	1990
QUAD CITIES 1	724	2920	1940	980	5630	N/S	1986
QUAD CITIES 2	724	2920	2132	788		N/S	1986
SUSQUEHANNA 1							
VERMONT YANKEE 1	368	2000	990	1010		02-83	1992

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

(a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
(b) Some of these dates have been adjusted by staff assumptions.
(c) This is the total for both units.
(d) Plant not in commercial operation.
(e) Some spent fuel stored at Brunswick.
(f) Authorized a total 2772 BWR and 1232 PWRassemblies for both pools.
(g) Robinson 2 assemblies being shipped to Brunswick for storage.
(h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
(i) No longer accepting spent fuel.
(j) Racked for 700 MTU.
(k) Reserved.
(l) This is the station total.
(m) Installed capacity is less than that authorized.
(n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

(INCLUDES BOTH LICENSED AND NON-LICENSED UNITS)

REACTOR YEARS OF EXPERIENCE

	YEARS	1ST ELEC GENERATE	UNIT
**********			
* LICENSED *	8.42	08/01/74	ARKANSAS 1
* OPERATING *	20.07	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	6.30	09/12/76	BROWNS FERRY 3
* PRODUCING *	7.99	01/03/75	CALVERT CLIFFS 1
* UNITS *	4.78	03/22/78	COOK 2
**********	5.34	08/28/77	DAVIS-BESSE 1
	8.62	05/19/74	DUANE ARNOLD
	7.92	02/01/75	FITZPATRICK
	13.08	12/02/69	GINNA
	4.28	09/22/78	HATCH 2
	8.73	04/08/74	KEWAUNEE
	10.15	11/08/72	MAINE YANKEE
	7.15	11/09/75	MILLSTONE 2
	4.71	04/17/78	NORTH ANNA 1
	9.07	12/05/73	OCONEE 2
	11.00	12/31/71	PALISADES
	10.45	07/19/72	PILGRIM 1
	9.08	12/04/73	PRAIRIE ISLAND 1
	10.61	05/23/72	QUAD CITIES 2
	6.02	12/25/76	SALEM 1
	.28	09/20/82	SAN ONOFRE 2
	6.65	05/07/76	ST LUCIE 1
	9.81	03/10/73	SURRY 2
	7.03	12/23/75	TROJAN
	10.28	09/20/72	VERMONT YANKEE 1
	9.02	12/26/73	ZION 2
	4.02	12/26/78	ARKANSAS 2
	9.21	10/15/73	BROWNS FERRY 1
	6.08	12/04/76	BRUNSWICK 1
	6.07	12/07/76	CALVERT CLIFFS 2
	8.65	05/10/74	COOPER STATION
	12.72	04/13/70	DRESDEN 2
	5.37	08/18/77	FARLEY 1
	9.35	08/25/73	FORT CALHOUN 1
	15.40	08/07/67	HADDAM NECK
	9.52	06/26/73	INDIAN POINT 2
	14.68	04/26/68	LA CROSSE
	1.51	06/30/81	MCGUIRE 1
	11.83	03/05/71	MONTICELLO
	2.35	08/25/80	NORTH ANNA 2
	8.33	09/01/74	OCONEE 3
	8.87	02/18/74	PEACH BOTTOM 2
	12.15	11/06/70	POINT BEACH 1
	8.03	12/21/74	PRAIRIE ISLAND 2
	8.22	10/13/74	RANCHO SECO 1
	1.58	06/03/81	SALEM 2
	2.44	07/22/80	SEQUOYAH 1
	0.12	11/16/82	SUMMER 1
	0.12	11/16/82	SUSQUEHANNA 1
	10.16	11/02/72	TURKEY POINT 3
	22.14	11/10/60	YANKEE-ROWE 1
	6.55	06/14/76	BEAVER VALLEY 1
	8.34	08/28/74	BROWNS FERRY 2
	7.68	04/29/75	BRUNSWICK 2
	7.89	02/10/75	COOK 1
	5.92	01/30/77	CRYSTAL RIVER 3
	11.45	07/22/71	DRESDEN 3
	1.60	05/25/81	FARLEY 2
	6.06	12/11/76	FORT ST VRAIN
	8.14	11/11/74	HATCH 1
	6.68	04/27/76	INDIAN POINT 3
	.33	09/04/82	LASALLE 1
	12.09	11/29/70	MILLSTONE 1
	13.14	11/09/69	NINE MILE POINT 1
	9.66	05/06/73	OCONEE 1
	13.27	09/23/69	OYSTER CREEK 1
	8.33	09/01/74	PEACH BOTTOM 3
	10.41	08/02/72	POINT BEACH 2
	10.72	04/12/72	QUAD CITIES 1
	12.27	09/26/70	ROBINSON 2
	15.46	07/16/67	SAN ONOFRE 1
	1.02	12/23/81	SEQUOYAH 2
	10.49	07/04/72	SURRY 1
	8.54	06/19/74	THREE MILE ISLAND 1
	9.53	06/21/73	TURKEY POINT 4
	9.51	06/28/73	ZION 1

TOTAL 630.61 YRS

	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
**********				
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1
* INDEFINITELY*	6.32	08/05/66	11/29/72	FERMI 1
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY
* UNITS *	1.19	07/25/66	10/01/67	PATHFINDER
**********	2.16	11/04/63	01/01/66	PIQUA
	3.04	12/18/63	01/01/67	CVTR
	4.44	08/24/63	02/01/68	ELK RIVER
	1.26	05/29/63	09/01/64	HALLAM
	12.12	09/16/62	10/31/74	INDIAN POINT 1
	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
	.93	04/21/78	03/28/79	THREE MILE ISLAND 2

TOTAL 74.77 YRS

The total reactor years of experience is as the sum of all calendar days for each unit, from the date that electricity was first generated until a final shutdown date or the status date, whichever comes first, divided by 365.25 days/year. If a date is unknown, the first day of the first month of operation is substituted. Units which have not yet generated electricity but which are licensed are listed but not included in the computation.

****
* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
ALABAMA	TUSKEGEE	TUSKEGEE INSTITUTE	AGN-201 #102	50-406	R-122	08-30-74	0.0001
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA	TRIGA MARK I	50-113	R-52	12-05-58	100.0
CALIFORNIA	BERKELEY	UNIVERSITY OF CALIFORNIA, BERKELEY COLLEGE	TRIGA MK. III	50-224	R-101	08-10-66	1000.0
	CANOGA PARK	ROCKWELL INTERNATIONAL CORP.	L-85	50-375	R-188	01-05-72	0.003
	HAWTHORNE	NORTHROP CORP. LABORATORIES	TRIGA MARK F	50-187	R-90	03-04-63	1000.0
	IRVINE	UNIVERSITY OF CALIFORNIA, IRVINE	TRIGA MARK I	50-326	R-116	11-24-69	250.0
	LOS ANGELES	UNIVERSITY OF CALIFORNIA, L.A.	ARGONAUT	50-142	R-71	10-03-60	100.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK F	50-163	R-67	07-01-60	1500.0
	SAN DIEGO	GENERAL ATOMIC COMPANY	TRIGA MARK I	50-089	R-38	05-03-58	250.0
	SAN JOSE	GENERAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
	SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

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* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-18-59	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	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.015
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	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

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* RESEARCH *
* REACTORS *
****

NON-POWER REACTORS IN THE U.S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

****
* EXPERIMENTAL AND TEST REACTORS *
****

CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0

****
* CRITICAL EXPERIMENT FACILITIES *
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NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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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 Management and Program Analysis from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

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