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April 1982

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 3-31-82

UNITED STATES NUCLEAR REGULATORY COMMISSION

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Manuscript Completed: April 1982
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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.

TABLE OF CONTENTS

G L O S S A R Y

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

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

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

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

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

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

NOTE:

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

INDEX TO OPERATING POWER REACTORS

SECTION 1

CURRENT DATA SUMMARIES

MONTHLY HIGHLIGHTS

LICENSED POWER REACTORS		71 IN COMMERCIAL OPERATION	53,771 CAPACITY MWe (Net) --Based upon maximum dependable capacity; design elec. rating used if MDC not determined
	(a)	1 IN POWER ASCENSION	1,148
	(b)	72 LICENSED TO OPERATE	54,919 TOTAL
	(c)	1 LICENSED FOR FUEL LOADING AND LOW POWER TESTING	

(a) SEQUOYAH 2....MDC NET 1148

(b) Excludes these plants licensed for operation which are shut down indefinitely
1. DRESDEN 1.....DER 200
2. HUMBOLDT BAY.....65
3. TMI 2.....906

(c) SAN ONOFRE 2....DATE 02/16/82.....DER 1087

POWER GENERATION		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
	1. GROSS ELECTRICAL (MWHE)	22,918,320	20,809,544	70,270,502
	2. NET ELECTRICAL (MWHE)	21,797,869	19,776,420	66,836,229
	3. AVG. UNIT SERVICE FACTOR (%)	62.1	62.1	64.9
	4. AVG. UNIT AVAILABILITY FACTOR (%)	62.4	62.1	65.0
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	55.6	56.0	58.3
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	54.0	54.4	56.7
	7. FORCED OUTAGE RATE (%)	12.8	20.9	16.2

ACTUAL VS. POTENTIAL ENERGY PRODUCTION			% OF POTENTIAL PRODUCTION
	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD	21,797,869 NET	54.5
	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET)	9,885,173 MWHe	24.7
	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,639,594 MWHe	14.1
	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,682,988 MWHe	6.7
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)		40,005,624 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	1 UNIT(S) WITH NRC RESTRICTION

OUTAGE DATA		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
	1. FORCED OUTAGES DURING REPORT PERIOD	52	6,582.5	12.5	5,639,594
	2. SCHEDULED OUTAGES DURING REPORT PERIOD	30	13,422.3	25.4	9,885,173
	TOTAL	82	20,004.8	37.9	15,524,767

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

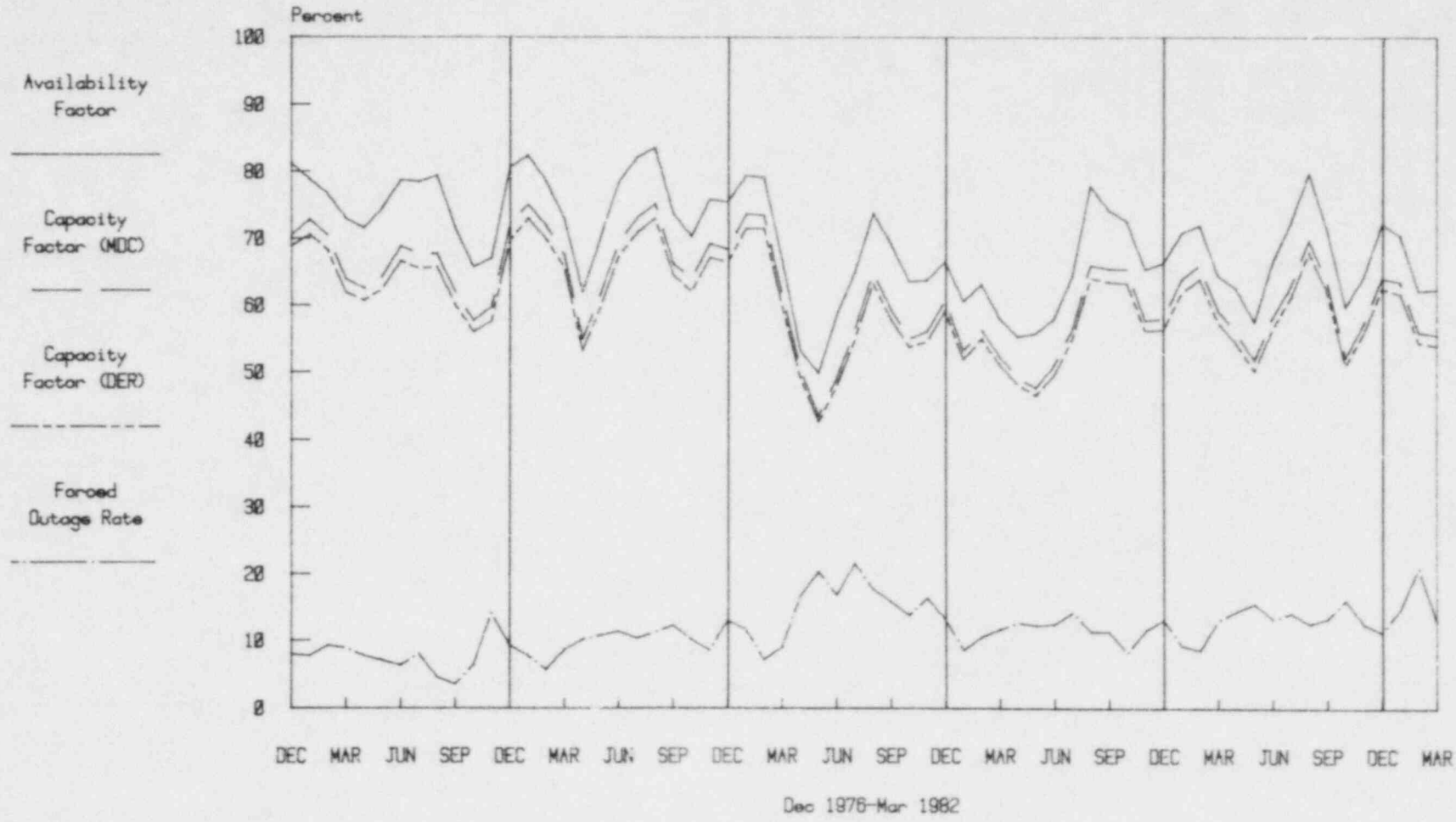
REASONS FOR SHUTDOWNS		NUMBER	HOURS LOST
	A - Equipment Failure	39	3,255.5
	B - Maintenance or Test	16	5,668.8
	C - Refueling	17	9,943.8
	D - Regulatory Restriction.	1	744.0
	E - Operator Training & License Examination	0	0.0
	F - Administrative.	1	139.3
	G - Operational Error	4	65.1
	H - Other	4	188.3
	TOTAL	82	20,004.8

DERATED UNITS		MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE
	FORT ST VRAIN	330	231	NRC Restriction
	MILLSTONE 1	654	595	Self-imposed
	POINT BEACH 1	495	390	Self-imposed
	ROBINSON 2	665	535	Self-imposed
	YANKEE-ROWE 1	175	150	Self-imposed

SHUTDOWNS GREATER THAN 72 HRS EACH	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
	ARKANSAS 1	B	BEAVER VALLEY 1	C	BIG ROCK POINT 1	C	BROWNS FERRY 1	A
	BROWNS FERRY 3	C	COOK 1	A	COOK 2	B	DAVIS-BESSE 1	C
	DRESDEN 3	C	FARLEY 1	A	FITZPATRICK	C	FORT ST VRAIN	B
	GINNA	C	HATCH 2	C	INDIAN POINT 3	C	MAINE YANKEE	B
	MCGUIRE 1	B	MILLSTONE 2	C	NINE MILE POINT 1	A,B	NORTH ANNA 2	C
	OCONEE 1	A	OCONEE 2	B	OCONEE 3	A	OYSTER CREEK 1	B
	PALISADES	A,A						
	PALISADES	A	PEACH BOTTOM 2	C	PILGRIM 1	C	POINT BEACH 1	B
	ROBINSON 2	C	SALEM 1	B,C	SAN ONOFRE 1	B	SEQUOYAH 1	A
	SURRY 2	H	THREE MILE ISLAND 1	D	TROJAN	F	TURKEY POINT 3	B
	ZION 1	C	ZION 2	A				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 03-31-82



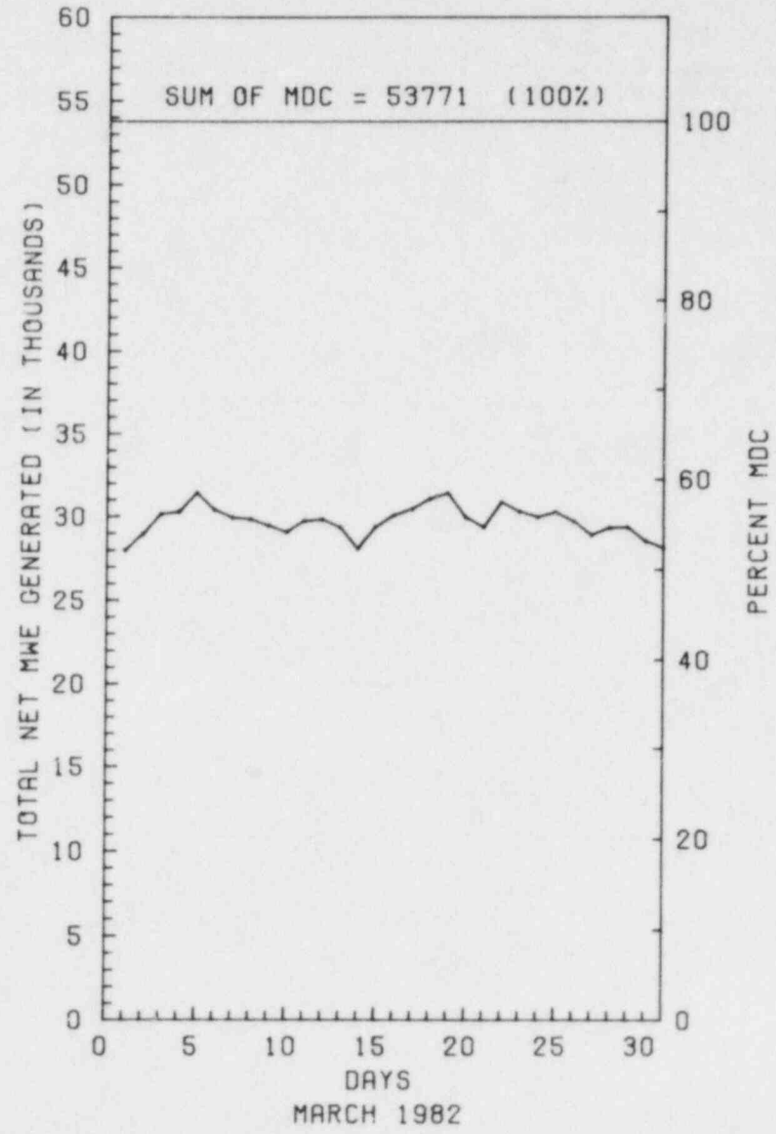
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALLY OPERATING UNITS

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.

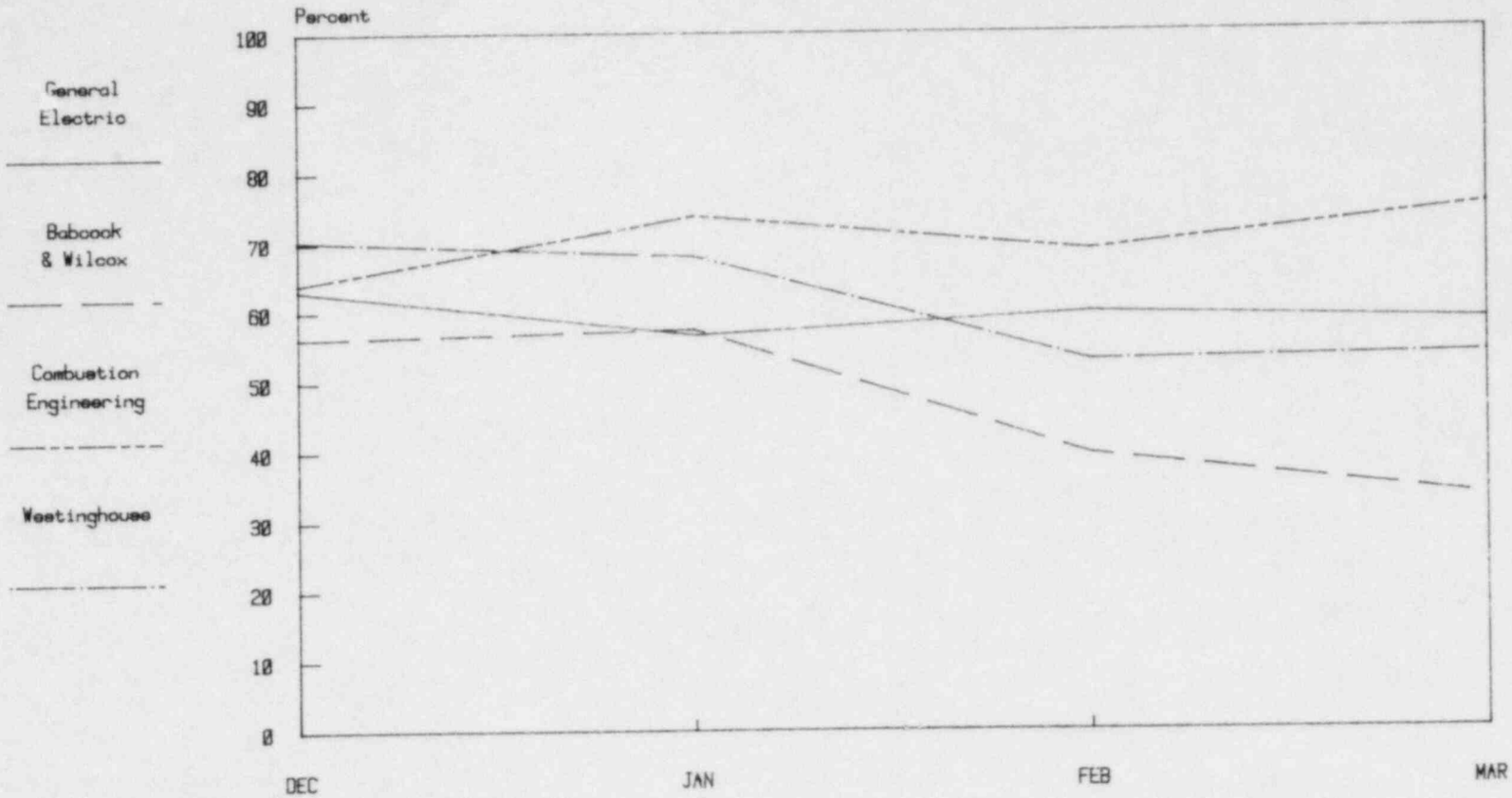
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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.



Vendor Average Capacity Factors

As Of 03-31-82



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

AVERAGE CAPACITY FACTORS BY VENDORS

GENERAL ELECTRIC

CFMDC		CFMDC		CFMDC		CFMDC	
68.2	BROWNS FERRY 1	99.5	BROWNS FERRY 2	0.0	BROWNS FERRY 3	70.7	BRUNSWICK 1
69.5	BRUNSWICK 2	86.1	COOPER STATION	99.4	DRESDEN 2	0.0	DRESDEN 3
91.1	DUANE ARNOLD	47.6	FITZPATRICK	51.9	HATCH 1	0.0	HATCH 2
91.2	MILLSTONE 1	101.8	MONTICELLO	61.0	NINE MILE POINT 1	0.0	OYSTER CREEK 1
0.0	PEACH BOTTOM 2	97.7	PEACH BOTTOM 3	0.0	PILGRIM 1	88.4	QUAD CITIES 1
94.8	QUAD CITIES 2	98.6	VERMONT YANKEE 1				

BABCOCK & WILCOX

CFMDC		CFMDC		CFMDC		CFMDC	
64.6	ARKANSAS 1	78.2	CRYSTAL RIVER 3	25.0	DAVIS-BESSE 1	38.6	OCONEE 1
0.0	OCONEE 2	2.4	OCONEE 3	57.6	RANCHO SECO 1	0.0	THREE MILE ISLAND 1

COMBUSTION ENGINEERING

CFMDC		CFMDC		CFMDC		CFMDC	
92.0	ARKANSAS 2	103.7	CALVERT CLIFFS 1	103.0	CALVERT CLIFFS 2	100.0	FORT CALHOUN 1
17.1	MAINE YANKEE	38.6	MILLSTONE 2	42.7	PALISADES	106.5	ST LUCIE 1

WESTINGHOUSE

CFMDC		CFMDC		CFMDC		CFMDC	
0.0	BEAVER VALLEY 1	82.3	COOK 1	33.1	COOK 2	61.2	FARLEY 1
75.9	FARLEY 2	0.0	GINNA	102.1	HADDAM NECK	94.4	INDIAN POINT 2
61.7	INDIAN POINT 3	99.6	KEWAUNEE	18.3	MCGUIRE 1	97.3	NORTH ANNA 1
19.0	NORTH ANNA 2	68.7	POINT BEACH 1	96.9	POINT BEACH 2	101.6	PRAIRIE ISLAND 1
97.6	PRAIRIE ISLAND 2	0.0	ROBINSON 2	0.0	SALEM 1	97.8	SALEM 2
0.0	SAN ONOFRE 1	63.1	SEQUOYAH 1	92.0	SURRY 1	65.5	SURRY 2
70.9	TROJAN	0.0	TURKEY POINT 3	100.5	TURKEY POINT 4	80.6	YANKEE-ROWE 1
0.0	ZION 1	14.1	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.....	7,419,209	9,307,783	3,381,053	1,668,096	14,356,932
MDC NET.....	17,144	23,368	6,072	6,745	36,185
CFMDC.....	58.2	53.5	74.8	33.2	53.3

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

ERRATA

CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

CORRECTIONS TO NUREG-0020 VOL. 6, NO. 3 FEBRUARY 1982.

Page	Unit Name	Item	Correction
		NONE	

PRIOR ISSUE CORRECTIONS

Unit Name	Item	Correction
	NONE	

SECTION 2

OPERATING POWER REACTORS

1. Docket: 50-313 OPERATING STATUS
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: LINDY BRAMLETT (501) 964-3100
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	63,835.0
13. Hours Reactor Critical	630.9	2,046.9	44,294.2
14. Rx Reserve Shtdwn Hrs	.0	.0	5,044.0
15. Hrs Generator On-Line	623.3	2,039.3	43,423.1
16. Unit Reserve Shtdwn Hrs	.0	.0	817.5
17. Gross Therm Ener (MWH)	1,253,566	4,330,053	103,860,259
18. Gross Elec Ener (MWH)	423,056	1,459,576	34,296,332
19. Net Elec Ener (MWH)	401,899	1,385,330	32,701,730
20. Unit Service Factor	83.8	94.4	68.0
21. Unit Avail Factor	83.8	94.4	69.3
22. Unit Cap Factor (MDC Net)	64.6	76.7	61.3
23. Unit Cap Factor (DER Net)	63.6	75.5	60.3
24. Unit Forced Outage Rate	.0	.0	15.5
25. Forced Outage Hours	.0	.0	7,954.5

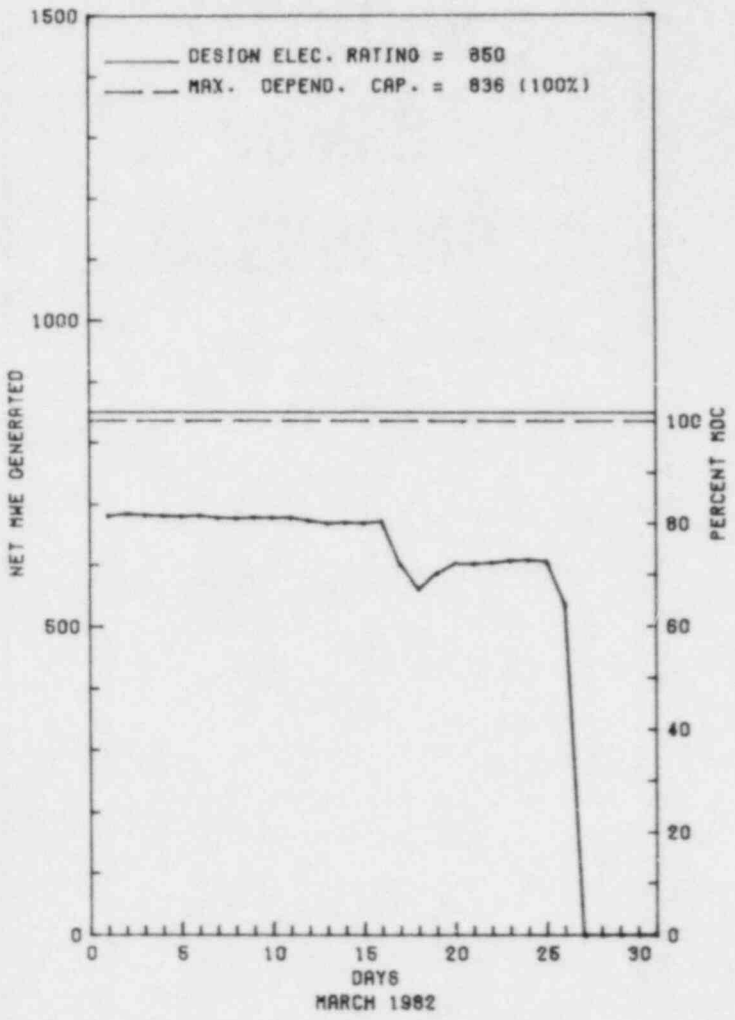
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* ARKANSAS 1 *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-01	03/17/82	F	0.0	A	5		CB	PUMPXX	HIGH SEAL BLEEDOFF TEMPERATURE ON THE "D" RCP PROMPTED A POWER REDUCTION FROM 82.0% 62.0% FULL POWER TO REMOVE "D" RCP FROM SERVICE. UNIT RETURNED TO APPROXIMATELY 72% FULL POWER.
82-02	03/26/82	S	120.7	B	1	CC	CC	HTEXCH	UNIT WAS BROUGHT TO COLD SHUTDOWN TO REPLACE THE FEEDWATER NOZZLES IN THE "A" OTSG.

****
* SUMMARY *
****

ARKANSAS 1 OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING MARCH.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 6, 1974

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

DATE COMMERCIAL OPERATE....DECEMBER 19, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. JOHNSON

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

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

PUBLIC DOCUMENT ROOM.....ARKANSAS POLYTECHNIC COLLEGE
RUSSELLVILLE, ARKANSAS 72801

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 1-5, 1982 (82-02): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, ORGANIZATION AND ADMINISTRATION, AND SURVEILLANCE. WITHIN THE THREE AREAS INSPECTED, ONE APPARENT DEVIATION WAS IDENTIFIED (REVIEW OF SURVEILLANCE TEST INTERVALS NOT COMPLETE AS COMMITTED).

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 8-11, 1982 (82-03): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY AND SAFEGUARDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 1-28, 1982 (82-04): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, AND FOLLOW UP ON PREVIOUSLY IDENTIFIED ITEMS. WITHIN THE FOUR AREAS INSPECTED, TWO APPARENT VIOLATIONS WERE IDENTIFIED IN TWO AREAS (MISSING SEISMIC SUPPORT AND VALVES MISPOSITIONED).

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 4.2.2, LICENSEE FAILED TO ACCOMPLISH REQUIRED SURVEILLANCES WITHIN SPECIFIED TIME INTERVAL. (8134 4)

CONTRARY TO TECH SPEC 6.8.1, THE LICENSEE FAILED TO ADHERE TO THE REQUIREMENTS OF OPERATING PROCEDURE 1104.36, "EMERGENCY DIESEL GENERATOR OPERATIONS."

ENFORCEMENT SUMMARY

(8135 5)

CONTRARY TO 10CFR20.203(B), THE FOLLOWING RADIATION AREAS WERE NOT POSTED AS REQUIRED: ON JAN 12, 1982, 1) THE 2T12 VALVE AREA BEHIND DOOR 277 (RM 2017) OF THE UNIT 2 AUX BUILDING. 2) THE "C" HIGH PRESSURE SAFETY INJECTION PUMP RM (RM 2010) IN THE UNIT 2 AUX BUILDING. 3) PASSAGEWAY 2011 ON ELEVATION 317 OF THE UNIT 2 AUX BUILDING. 4) THE "B" ESF PUMP ROOM (RM 2014) OF THE UNIT 2 AUX BUILDING. ON JAN 22, 1982, 1) THE AREA SURROUNDING A RESIN STORAGE CASK MOUNTED ON A FLATBED TRAILER PARKED BETWEEN THE TURBINE BUILDING AND THE RADWASTE BUILDING. UNIT 1 TECH SPEC 3.12 AND UNIT 2 TECH SPEC 3.7.9.1 REQUIRE THAT EACH SEALED SOURCE CONTAINING RADIOACTIVE MATERIAL EITHER IN EXCESS OF 100 MICROCURIES OF BETA AND/OR GAMMA EMITTING MATERIAL OR 5 MICROCURIES OF ALPHA EMITTING MATERIAL SHALL BE FREE OF REMOVABLE CONTAMINATION EQUAL TO OR GREATER THAN 0.005 MICROCURIES. UNIT 1 SURVEILLANCE REQUIREMENT 4.14 AND UNIT 2 SURVEILLANCE REQUIREMENT 4.7.9.1.1 REQUIRE THAT THE SEALED SOURCES SPECIFIED ABOVE BE TESTED FOR REMOVABLE CONTAMINATION AT LEAST ONCE PER SIX MONTHS. CONTRARY TO THE ABOVE, THE SEALED SOURCES IN USE AT ARKANSAS NUCLEAR ONE THAT ARE REQUIRED TO BE TESTED FOR REMOVABLE CONTAMINATION WERE NOT TESTED WITHIN THE REQUIRED SIX MONTH INTERVAL. SPECIFICALLY, THE SEALED SOURCES WERE TESTED ON DEC 14, 1980, THEN NOT TESTED AGAIN UNTIL AUG 24, 1981.
(8201 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

"A" OTSG LEVEL HIGH DUE TO FOULING

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

MAINTENANCE OUTAGE

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 50-313/82-04

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-02 03L-0	01/14/82	02/01/82	LETDOWN ISOLATION VALVE FAILURE
82-03 03L-0	01/28/82	02/18/82	TWO MAKEUP PUMPS INOPERABLE
82-04 03L-0	01/25/82	02/19/82	CONTAMINATION OF DI WATER HEADER
82-05 03L-0	02/27/82	03/19/82	DG TURBOCHARGER FAILURE

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1. Docket: 50-368 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: LINDY BRAMLETT (501) 964-3100
4. Licensed Thermal Power (MWt): 2815
5. Nameplate Rating (Gross MWe): 959
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	17,664.0
13. Hours Reactor Critical	718.8	1,753.5	12,648.1
14. Rx Reserve Shtdwn Hrs	.0	.0	1,013.7
15. Hrs Generator On-Line	707.8	1,737.2	12,279.0
16. Unit Reserve Shtdwn Hrs	.0	.0	75.0
17. Gross Therm Ener (MWH)	1,906,738	4,608,874	30,394,743
18. Gross Elec Ener (MWH)	615,849	1,489,896	9,861,814
19. Net Elec Ener (MWH)	587,171	1,420,245	9,391,243
20. Unit Service Factor	95.1	80.4	69.5
21. Unit Avail Factor	95.1	80.4	69.9
22. Unit Cap Factor (MDC Net)	92.0	76.6	62.0
23. Unit Cap Factor (DER Net)	86.5	72.1	58.3
24. Unit Forced Outage Rate	4.9	19.6	19.6
25. Forced Outage Hours	36.2	422.8	2,992.4

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

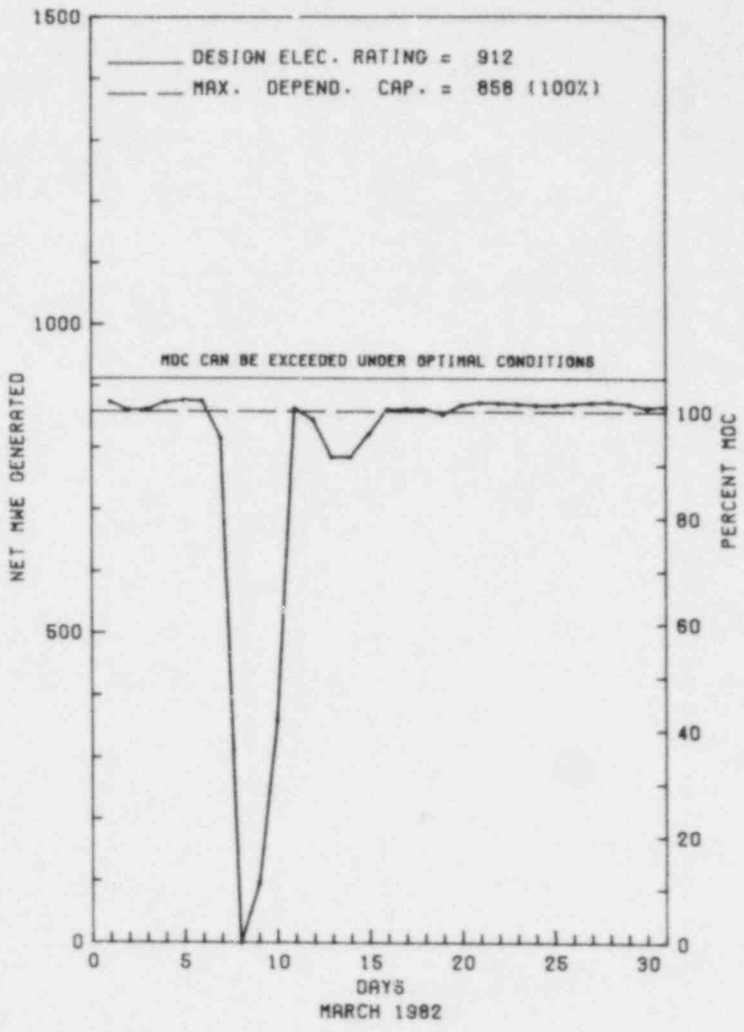
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-04	03/07/82	F	36.2	A	3		HA	INSTRU	TURBINE RUNBACK TO APPROXIMATELY 20 MWE INITIATED BY STATOR COOLING PRESSURE/TEMPERATURE/ FLOW LIMITS. REACTOR TRIPPED ON HIGH STEAM GENERATOR LEVEL.

****
* SUMMARY *
****

ARKANSAS 2 OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT FAILURE DURING MARCH.

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

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

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

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS

COUNTY.....POPE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 5, 1978

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

DATE COMMERCIAL OPERATE....MARCH 26, 1980

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....DARDANELLE RESERVOIR

ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....W. JOHNSON

LICENSING PROJ MANAGER.....R. MARTIN
DOCKET NUMBER.....50-368

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

PUBLIC DOCUMENT ROOM.....ARKANSAS POLYTECHNIC COLLEGE
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 1-5, 1982 (82-02): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, ORGANIZATION AND ADMINISTRATION, AND SURVEILLANCE. WITHIN THE THREE AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (FAILURE TO INCORPORATE A NEW SURVEILLANCE REQUIREMENT INTO THE TEST PROGRAM).

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 8-11, 1982 (82-03): ROUTINE, UNANNOUNCED INSPECTION OF SECURITY AND SAFEGUARDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DURING THE PERIOD OF FEBRUARY 1-28, 1982 (82-04): ROUTINE, ANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, SURVEILLANCE, MAINTENANCE, AND FOLOW UP ON PREVIOUSLY IDENTIFIED ITEMS. WITHIN THE FOUR AREAS INSPECTED, ONE APPARENT VIOLATION WAS IDENTIFIED (LICENSED OPERATOR ON-THE-JOB TRAINING).

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR50, APP B, CRITERION V AND ARKANSAS POWER & LIGHT CO PROCEDURE 1000.09 FOR ARKANSAS NUCLEAR ONE, THE SURVEILLANCE TEST REQUIREMENT DELINEATED IN PARA 4.4.4.2.(G) OF THE UNIT 2 TECH SPECS WAS NOT REPORTED TO THE SURVEILLANCE TEST COORDINATOR BY THE MAINTENANCE MANAGER.
(8202 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

POWER OPERATION

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 50-368/82-04

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04 03L-0	01/26/82	02/12/82	DROPPED PART LENGTH CONTROL ROD
82-05 03L-0	01/28/82	02/19/82	CONTROL ELEMENT ASSEMBLY CALCULATOR FAILURE
82-06 03L-0	02/12/82	03/04/82	CONTAINMENT ISOLATION VALVE FAILURE
82-07 03L-0	02/16/82	03/05/82	CHARGING PUMP SUCTION DRAIN LINE LEAK
82-08 03L-0	02/26/82	03/16/82	EMERGENCY FEEDWATER VALVE FAILURE

1. Docket: 50-334 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVID R. TIMKO (412) 643-5308
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	51,864.0
13. Hours Reactor Critical	.0	.0	21,063.3
14. Rx Reserve Shtdwn Hrs	.0	.0	4,482.7
15. Hrs Generator On-Line	.0	.0	20,154.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	43,628,937
18. Gross Elec Ener (MWH)	0	0	13,650,440
19. Net Elec Ener (MWH)	-3,143	-11,664	12,517,200
20. Unit Service Factor	.0	.0	40.5
21. Unit Avail Factor	.0	.0	40.5
22. Unit Cap Factor (MDC Net)	.0	.0	33.1
23. Unit Cap Factor (DER Net)	.0	.0	31.4
24. Unit Forced Outage Rate	100.0	100.0	40.2
25. Forced Outage Hours	744.0	2,160.0	17,225.5

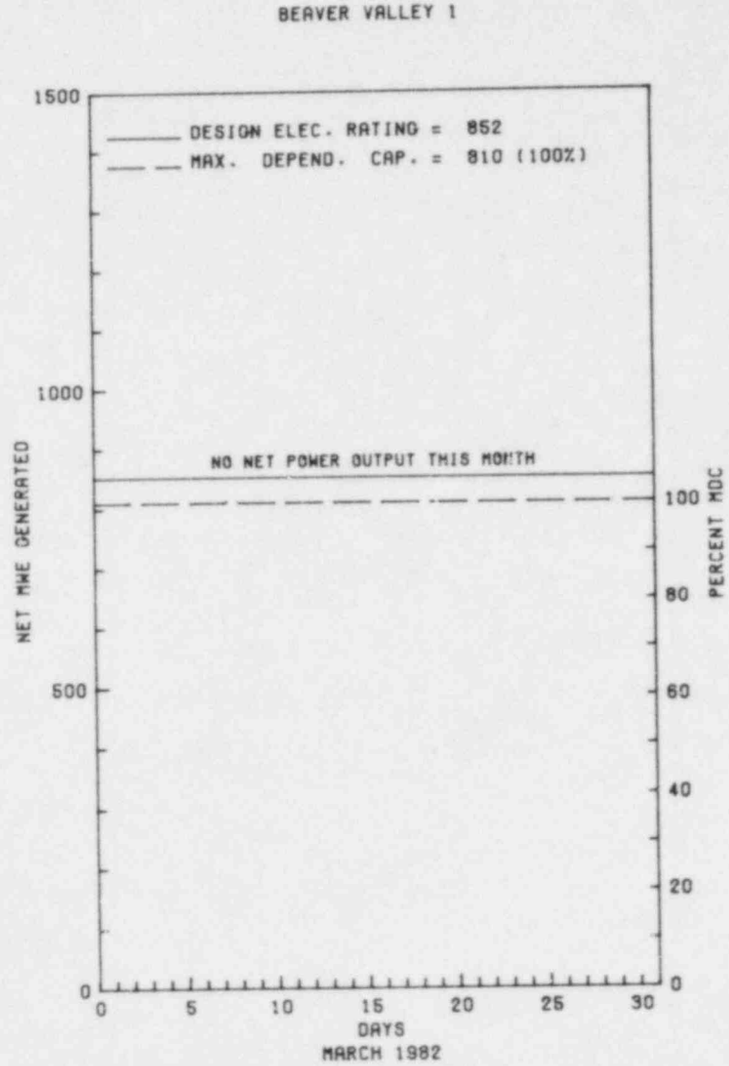
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 05/21/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	12/28/81	F	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

****
* SUMMARY *
****

BEAVER VALLEY 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....BEAVER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 10, 1976

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1976

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....OHIO RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUQUESNE LIGHT

CORPORATE ADDRESS.....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.....D. BECKMAN

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
ALQUIPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-334/81-19 - JUL 8-9: SPECIAL, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (7 HRS) TO FOLLOWUP ON REGIONAL REQUESTS AND VERIFY THAT ENGINEERING CONTROLS ARE BEING USED TO CONTROL AIRBORNE RADIOACTIVITY. AREAS INSPECTED INCLUDED THE LICENSEE'S SOLID WASTE DISPOSAL FACILITY; RADIATION AND CONTAMINATION SURVEYS; AIRBORNE RADIATION SURVEYS; AND THE RADIOLOGICAL WORK PERMIT PROGRAM. NO VIOLATIONS WERE IDENTIFIED.

+ 50-334/82-02 - JAN 25-29: SPECIAL, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (25 HRS) OF FOLLOWUP ON PRIOR IDENTIFIED ITEM AND REACTOR COOLANT SYSTEM LEAK RATE TESTING. NO VIOLATIONS WERE IDENTIFIED.

+ 50-334/82-03 - FEB 8-12: SPECIAL, UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY ONE REGION BASED INSPECTOR (47 HRS) INCLUDED: REVIEW OF ACTIONS TAKEN RELATIVE TO THEDEVITALIZATION OF THE PRIMARY AUXILIARY BUILDING AND REVIEW OF AN OPEN ITEM ON EXCESSIVE GUARD OVERTIME. NO VIOLATIONS WERE IDENTIFIED.

+ 50-334/82-04 - FEB 16-18: SPECIAL, ANNOUNCED EMERGENCY PREPAREDNESS INSPECTION AND OBSERVATION OF THE LICENSEE'S ANNUAL EMERGENCY EXERCISE. THE INSPECTION INVOLVED 388 INSPECTION-HOURS BY A TEAM OF ELEVEN NRC REGION I, NRC HEADQUARTERS, AND NRC CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

+ 50-334/82-05 - FEB 22-26: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (71 HRS) OF PREVIOUS INSPECTION FINDINGS, FACILITY MODIFICATIONS, AND NON-LICENSED EMPLOYEE TRAINING. ONE VIOLATION WAS IDENTIFIED: INADEQUATE DESIGN CONTROLS FOR SPECIFYING DESIGN REQUIREMENTS, MAINTAINING PROPER INTERFACES AMONG PARTICIPATING ORGANIZATIONS AND VERIFYING THE ADEQUACY OF

INSPECTION SUMMARY

THE DESIGN.

ENFORCEMENT SUMMARY

FAILURE TO RECORD ALARM RESPONSE DETAILS.
(8130 5)

CONTRARY TO TS 6.8.1.2, APP A OF RG 1.33, 11/72, & BVPS OPERATING MANUAL SECTION 1.11.4.K, CORRECTING SAFETY RELATED ALARM CONDITIONS-BORON INJECTION SURGE TANK LOW LEVEL, NO CHEMICAL SAMPLING WAS PERFORMED PRIOR TO ADDING MAKEUP WATER.
(8131 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE REFUELING/MODIFICATION OUTAGE BEGAN ON 12/25/81 AND WILL CONTINUE INTO 5/82.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT WAS IN COLD SHUTDOWN THROUGH 3/25. THE REACTOR VESSEL HEAD WAS DETENSIONED 3/25 AND THE FACILITY ENTERED MODE 6, REFUELING.

LAST IE SITE INSPECTION DATE: 3/20 - 4/26/82 +

INSPECTION REPORT NO: 50-334/82-08 +

REPORTS FROM LICENSEE

BEAVER VALLEY 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L	02/05/82	03/04/82	FIRE BARRIER PENETRATION UNATTENDED BETWEEN CABLE VAULT AND AFW PUMP AREA. FIRE RETARDANT SEAL PLACED. REPETATIVE.
82-006/ 03L	02/06/82	03/04/82	TV-CC-105D FAILED TYPE "C" CONT. TEST. GASKET SEAL DID NOT HOLD. FOLLOWUP REPORT DUE.
82-007/ 01P	03/12/82	03/15/82	OVERSTRESS CONDITIONS ON A S/G MONO BALL SUPPORT H-2, IDENTIFIED BY REANALYSIS.
82-008/ 01P	03/15/82	03/15/82	OVERSTRESS CONDITIONS ON CCW SUPPORTS H-15 AND H-16.

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1. Docket: 50-155 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	166,627.0
13. Hours Reactor Critical	.0	729.5	115,832.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	716.2	113,588.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	112,824	21,258,727
18. Gross Elec Ener (MWH)	0	34,955	6,698,266
19. Net Elec Ener (MWH)	0	32,490	6,336,228
20. Unit Service Factor	.0	33.2	68.2
21. Unit Avail Factor	.0	33.2	68.2
22. Unit Cap Factor (MDC Net)	.0	23.5	56.4*
23. Unit Cap Factor (DER Net)	.0	20.9	52.8
24. Unit Forced Outage Rate	.0	17.0	19.2
25. Forced Outage Hours	.0	147.2	9,077.9

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

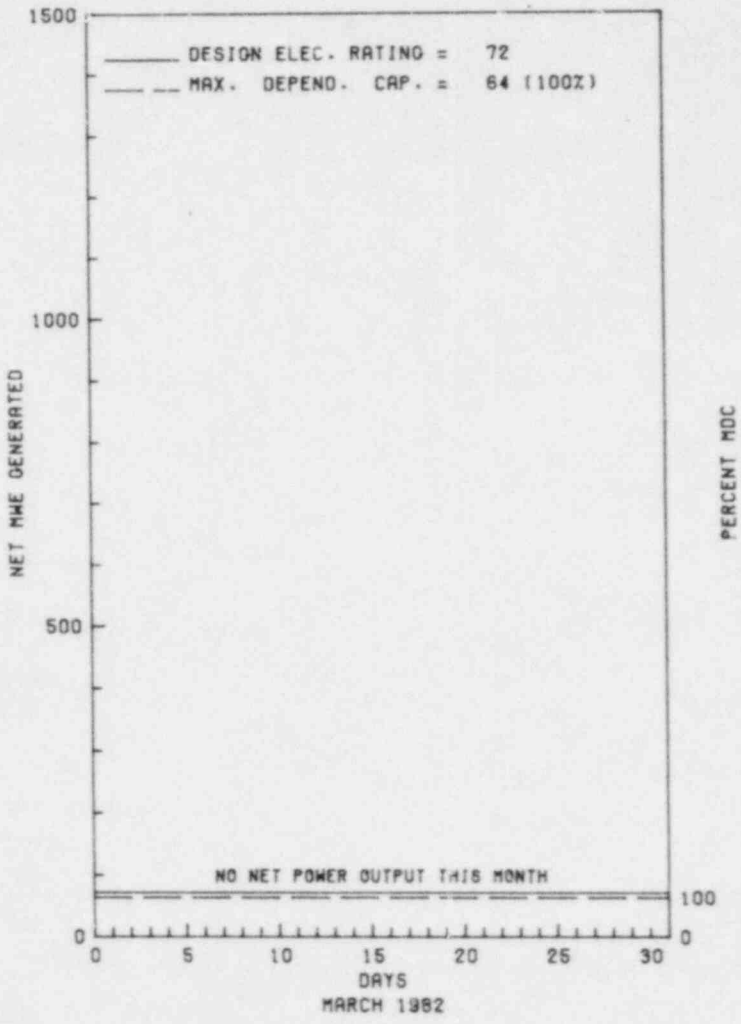
NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BIG ROCK POINT 1



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

BIG ROCK POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	02/05/82	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

SUMMARY

BIG ROCK POINT 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)

****
* 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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON DECEMBER 16, 1981 THROUGH JANUARY 30, 1982 (81-19): ROUTINE SAFETY, RESIDENT INSPECTION INVOLVING: OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, IE BULLETIN FOLLOWUP, PLANT TRIPS, REVIEW OF NUREG-0737 TASK ACTION ITEMS, FOLLOWUP ON OUTSTANDING INSPECTION ITEMS, FOLLOWUP ON OUTSTANDING ITEMS OF NONCOMPLIANCE, AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED A TOTAL OF 138 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING SIX INSPECTOR HOURS ONSITE DURING OFFSHIFTS. OF THE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON FEBRUARY 25, (82-02): LICENSEE ACTION RELATIVE TO IE BULLETIN NO. 80-11, "MASONRY WALL DESIGN." THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT REMAINS IN COLD SHUTDOWN FOR A REFUELING OUTAGE WHICH BEGAN ON 2/06/82. STARTUP IS EXPECTED BY 4/15/82.

LAST IE SITE INSPECTION DATE: FEBRUARY 25, 1982

INSPECTION REPORT NO: 82-02

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
82-04/ 03L-0	02/10/82	03/09/82	THE TRIP POINT OF THE LOW LEVEL TRIP SENSOR LT 3180 WAS OPERATING 2 INCHES BELOW SETPOINT PRESCRIBED BY T.S.
82-05/ 03L-0	02/19/82	03/18/82	A PIPE CRACK AT A THREADED FITTING OF CONTROL ROD DRIVE PUMP NO.1 CAUSED 1000 GALLONS OF COND. STORAGE WATER TO LEAK.
82-06/ 03L-0	02/24/82	03/24/82	REACTOR CLEANUP SYSTEM RESIN SLUICE VALVE CV4093 LEAKED IN EXCESS OF T.S.

1. Docket: 50-259 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: TED THOM (205) 729-6846
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	67,202.0
13. Hours Reactor Critical	604.6	1,929.5	41,244.2
14. Rx Reserve Shtdwn Hrs	139.4	182.1	5,397.1
15. Hrs Generator On-Line	* 580.2	1,898.9	40,329.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,763,647	5,978,649	112,853,556
18. Gross Elec Ener (MWH)	556,420	1,943,970	37,236,420
19. Net Elec Ener (MWH)	540,315	1,893,475	36,162,384
20. Unit Service Factor	78.0	87.9	60.0
21. Unit Avail Factor	78.0	87.9	60.0
22. Unit Cap Factor (MDC Net)	68.2	82.3	50.5
23. Unit Cap Factor (DER Net)	68.2	82.3	50.5
24. Unit Forced Outage Rate	22.0	12.1	26.5
25. Forced Outage Hours	163.8	261.1	14,544.3

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

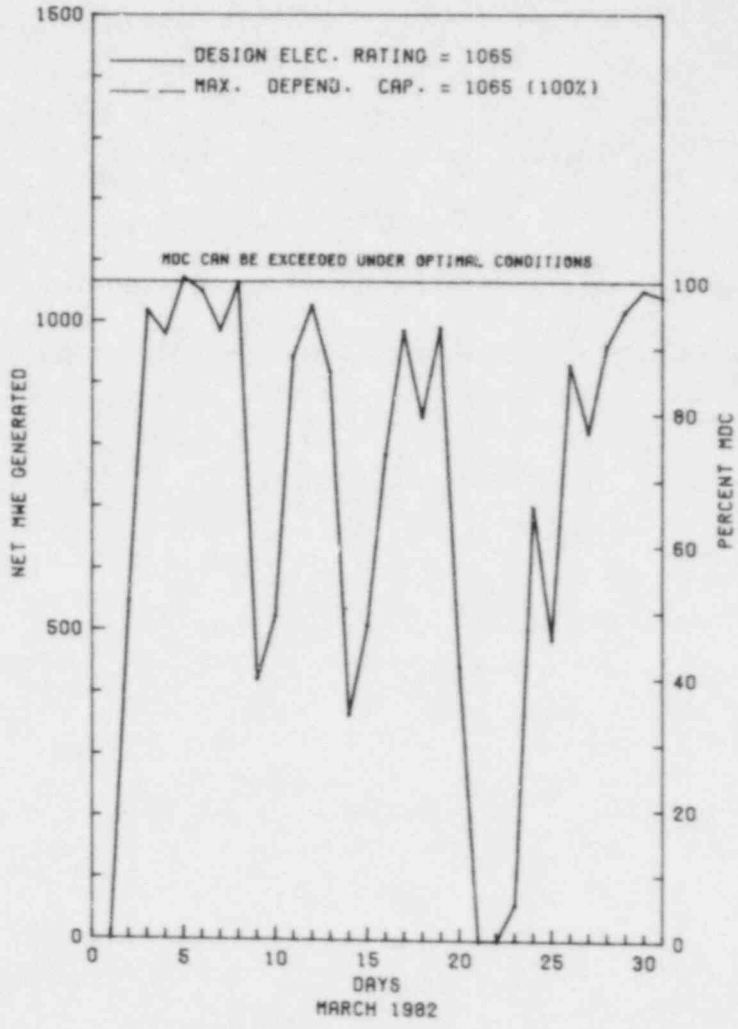
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
203	03/01/82	F	29.0	A	2				REACTOR SCRAM CONTINUES FOR MAINTENANCE ON CORE SPRAY TESTABLE CHECK VALVE 1-75-26.
204	03/04/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
205	03/06/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
206	03/07/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
207	03/09/82	F	20.0	G	3				REACTOR SCRAM DUE TO LOSS OF EHC OIL PRESSURE WHEN MAINTENANCE PERSONNEL WERE ATTEMPTING TO CHANGE EHC OIL FILTER.
208	03/12/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT AND SI'S.
209	03/14/82	F	13.5	A	3				REACTOR SCRAM DUE TO FALSE INDICATION OF STEAM LINE LOW PRESSURE.
210	03/15/82	F	11.9	G	3				REACTOR SCRAM ON REACTOR HIGH WATER LEVEL WHEN MAINTENANCE PERSONNEL WERE PERFORMING SI 4.2.B-69.
211	03/18/82	F	0.0	D	5				DERATED BECAUSE SODIUM PENTABORATE CONCENTRATION WAS OUT OF TECHNICAL SPECIFICATIONS.
212	03/20/82	F	80.9	A	2				REACTOR SCRAM WHEN VENT LINE ON VALVE 1-69-1 BROKE CAUSING HIGH DRYWELL LEAKAGE.
213	03/25/82	F	8.5	A	2				REACTOR SCRAM TO REPAIR LEAK ON EHC CONTROL VALVE SERVO VALVE.
214	03/26/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT, TURBINE CONTROL VALVE TESTS AND SIS.
215	03/27/82	F	0.0	A	5				DERATED BECAUSE "A" RECIRCULATION PUMP TRIPPED.

SUMMARY

BROWNS FERRY 1 OPERATED ROUTINELY WITH SEVERAL REDUCTIONS AND OUTAGES LISTED IN DETAIL ABOVE.

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

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

FACILITY DATA

Report Period MAR 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.....R. SULLIVAN

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 DECEMBER 26, 1981 - JANUARY 25 (82-06): THIS ROUTINE, INSPECTION INVOLVED 67 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE, MAINTENANCE OBSERVATIONS, LICENSEE EVENT REPORTS, HEALTH PHYSICS, CONTAINMENT ATMOSPHERE DILUTION SYSTEM, REACTOR TRIPS AND TMI ACTION ITEMS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE OBSERVED IN SIX AREAS, THREE APPARENT VIOLATIONS WERE IDENTIFIED IN THREE AREAS (VIOLATION OF 10 CFR 50.59(B); VIOLATION OF 10 CFR 50.55A(G)(4); AND VIOLATION OF TECHNICAL SPECIFICATION 6.3.A).

INSPECTION JANUARY 26 - FEBRUARY 25 (82-07): THIS ROUTINE, INSPECTION INVOLVED 82 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING, MAINTENANCE, LICENSEE EVENT REPORTS, PLANT PHYSICAL PROTECTION, IE BULLETIN AND CIRCULAR FOLLOWUP, PREVIOUS INSPECTION FOLLOWUP, TMI ACTION ITEMS, AND REACTOR TRIPS. IN THE AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATIONS 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED AND ADHERED TO FOR RADIATION CONTROL AND OPERATION OF SYSTEMS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THE REQUIREMENT THAT DETAILED WRITTEN PROCEDURES BE PREPARED APPROVED AND ADHERED TO WAS NOT MET IN THAT 1) SYSTEM OPERATING INSTRUCTION - 77 FOR THE OPERATION OF THE RADWASTE SYSTEM COULD NOT BE USED AS WRITTEN. 2) CONTAINMENT ATMOSHPERE DILUTION OPERATING INSTRUCTION COULD NOT BE USED

ENFORCEMENT SUMMARY

AS WRITTEN.
(8137 4)

TECHNICAL SPECIFICATION 3.2.B REQUIRES THAT THE LIMITING CONDITION FOR OPERATION FOR THE INSTRUMENTATION THAT INITIATES OR CONTROLS THE CORE AND CONTAINMENT COOLING SYSTEMS ARE GIVEN IN TABLE 3.2.B. TABLE 3.2.B REQUIRES THAT THERE SHALL BE A MINIMUM OF TWO OPERABLE CHANNELS PER TRIP SYSTEM FOR PRESSURE SWITCHES (PS) - 64-58. CONTRARY TO THE ABOVE, THE REQUIREMENT THAT THERE BE TWO OPERABLE CHANNELS PER TRIP SYSTEM FOR PS-64-58 WAS NOT MET IN THAT ON JANUARY 6, 1982 AT 1330 IT WAS DETERMINED BY THE RESIDENT INSPECTOR DURING A ROUTINE TOUR OF THE REACTER BUILDING THAT PS-64-58C HAD ITS ASSOCIATED ISOLATION VALVE SHUT RENDERING THE SWITCH INOPERABLE, THUS HAVING ONLY ONE CHANNEL OPERABLE IN ONE TRIP SYSTEM.
(8201 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

FULL POWER OPERATION.

LAST IE SITE INSPECTION DATE: JANUARY 26 - FEBRUARY 25, 1982 +

INSPECTION REPORT NO: 50-259/82-07 +

REPORTS FROM LICENSEE

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-014/ 03L-0	04/24/81	09/25/81	MAIN STEAM ISOLATION VALVE EXCESSIVE LEAKAGE (UPDATE)
81-078/ 03L-0	11/23/81	12/21/81	WHILE CONTINUOUS AIR MONITOR WAS OUT OF SERVICE REQUIRED AIR SAMPLES WERE NOT TAKEN
81-083/ 03L-0	12/05/81	01/04/82	MAIN STEAM LINE RADIATION MONITOR 1-RM-90-137 INDICATING LOW
81-085/ 03L-0	12/11/81	01/08/82	HIGH PRESSURE COOLANT INJECTION SUPPRESSION CHAMBER HIGH LEVEL SWITCHES SET EIGHT INCHES HIGH
81-086/ 03L-0	12/10/81	01/08/82	FAILURE TO PERTURB REACTOR WATER LEVEL FOLLOWING SURVEILLANCE TESTING
81-089/ 03L-0	12/11/81	01/07/82	DIESEL ENGINE D OVERSPED AND TRIPPED AFTER RECEIVING A FAST START SIGNAL
81-091/ 03L-0	12/20/81	01/18/82	INOPERABILITY OF B CONTROL ROOM EMERGENCY VENTILATION SYSTEM DUE TO FCO 31-152 NOT OPENING
81-092/ 03L-0	12/18/81	01/15/82	REACTOR WATER CLEANUP SYSTEM FLOOR DRAIN HIGH-TEMPERATURE SWITCH NOT MEETING SEISMIC REQUIREMENT
81-094/ 03L-0	12/26/81	01/22/82	"B" HYDROGEN OXYGEN SAMPLE RETURN PUMP MOTOR TRIPPED AND WOULD NOT RESET
82-001/ 03L-0	01/03/82	02/01/82	INOPERABILITY OF METEOROLOGICAL INSTRUMENTATION
82-002/ 03L-0	01/06/82	02/01/82	DRYWELL HIGH PRESSURE SWITCH 1-PS-64-58C FOUND ISOLATED
82-005/ 03L-0	01/09/82	02/05/82	1 EN REACTOR MOTOR OPERATED VALVE BOARD MOTOR-GENERATOR SET REMOVED FROM SERVICE LOSS OF LUB
82-006/ 03L-0	01/12/82	02/08/82	PRESSURE SWITCH TO CLOSE RECIRCULATION PUMP DISCHARGE VALVE OUT OF CALIBRATION
82-007/ 03L-0	01/13/82	02/08/82	LOST INDICATION ON WIND DIRECTION AND WIND SPEED ON CHANNEL C AT METEOROLOGICAL TOWER
82-008/ 03L-0	01/16/82	02/09/82	INOPERABLE CONTINUOUS AIR MONITOR ON THE REFUELING FLOOR

82-009/ 03L-0	01/17/82	02/11/82	FAILURE OF A SMOKE DETECTOR WHICH COULD HAVE MASKED SIGNALS FROM OTHER DETECTORS
82-010/ 03L-0	01/12/82	02/09/82	INOPERABLE STACK GAS RADIATION MONITOR
82-011/ 03L-0	01/24/82	02/22/82	CONTINUOUS AIR MONITOR 0-RM-90-252 OUT OF CALIBRATION
82-012/ 03L-0	01/25/82	02/23/82	RESIDUAL HEAT REMOVAL PUMP MINIMUM FLOW VALVE FAILED TO CLOSE
82-013/ 01T-0	02/02/82	02/12/82	DEGRADED VOLTAGE RELAYS WHOSE TRIP SETPOINTS FOUND BELOW MINIMUM ALLOWABLE TRIP SETPOINT
82-015/ 03L-0	02/09/82	03/04/82	WIND SPEED AND DIRECTIONAL INSTRUMENTATION FAILED.

1. Docket: 50-260 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: TED THOM (205) 729-6846
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): NONE
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	62,113.0
13. Hours Reactor Critical	744.0	1,993.8	40,440.6
14. Rx Reserve Shtdwn Hrs	.0	157.7	13,639.4
15. Hrs Generator On-Line	744.0	1,938.4	39,135.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,337,365	6,184,740	112,837,530
18. Gross Elec Ener (MWH)	806,430	2,088,710	37,521,358
19. Net Elec Ener (MWH)	788,221	2,038,582	36,460,728
20. Unit Service Factor	100.0	89.7	63.0
21. Unit Avail Factor	100.0	89.7	63.0
22. Unit Cap Factor (MDC Net)	99.5	88.6	55.1
23. Unit Cap Factor (DER Net)	99.5	88.6	55.1
24. Unit Forced Outage Rate	.0	10.3	28.4
25. Forced Outage Hours	.0	221.6	15,628.2

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
AUGUST 1982 - REFUEL AND MODIFICATIONS.
27. If Currently Shutdown Estimated Startup Date: N/A

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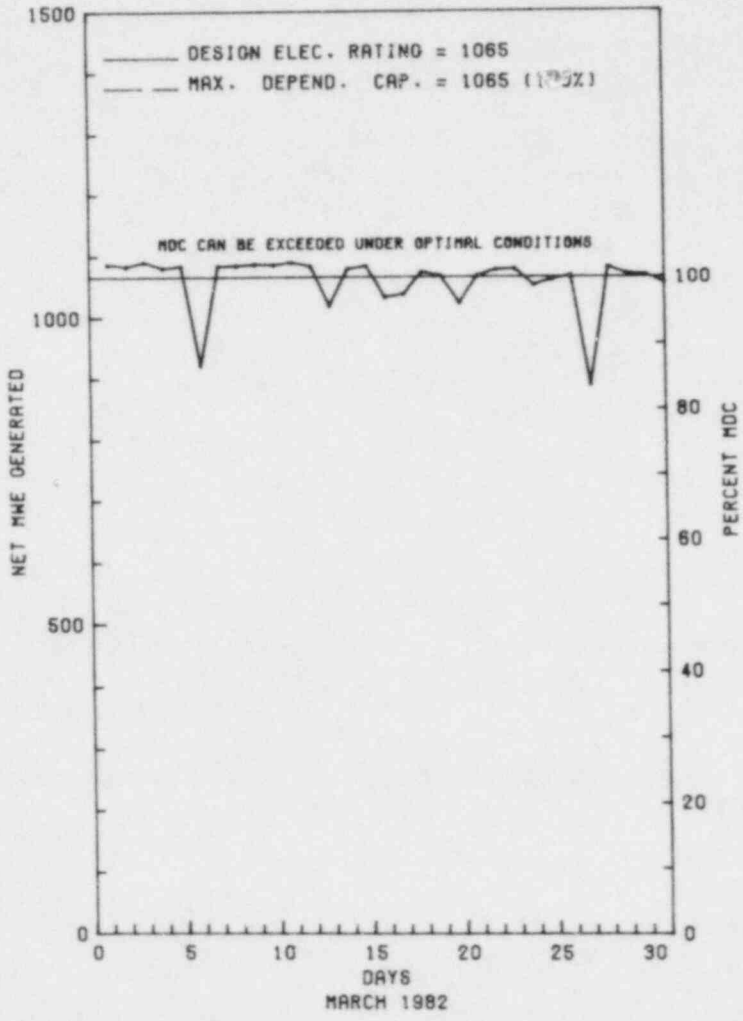
* BROWNS FERRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
228	03/05/82	S	0.0	B	5				DERATED TO REPLACE RECIRCULATION PUMP MG SET BRUSHES.
229	03/13/82	S	0.0	B	5				DERATED FOR MSIV FUNCTIONAL AND FULL CLOSURE SIS.
230	03/17/82	F	0.0	B	5				DERATED FOR MAINTENANCE ON "A" CONDENSATE BOOSTER PUMP OIL LINE.
231	03/20/82	S	0.0	H	5				DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
232	03/27/82	S	0.0	B	5				DERATED FOR TURBINE CONTROL VALVE TESTS AND SIS.

SUMMARY

BROWNS FERRY 2 OPERATED WITH 5 REDUCTIONS AND NO OUTAGES DURING MARCH.

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)

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

FACILITY DATA

Report Period MAR 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.....R. SULLIVAN

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 DECEMBER 26, 1981 - JANUARY 25 (82-06): THIS ROUTINE, INSPECTION INVOLVED 66 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE, MAINTENANCE OBSERVATIONS, LICENSEE EVENT REPORTS, HEALTH PHYSICS, CONTAINMENT ATMOSPHERE DILUTION SYSTEM, REACTOR TRIPS AND TMI ACTION ITEMS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE OBSERVED IN SIX AREAS, THREE APPAREN, VIOLATIONS WERE IDENTIFIED IN THREE AREAS (VIOLATION OF 10 CFR 50.59(B); VIOLATION OF 10 CFR 50.55A(G)(4); AND VIOLATION OF TECHNICAL SPECIFICATION 6.3.A).

INSPECTION JANUARY 26 - FEBRUARY 25 (82-07): THIS ROUTINE, INSPECTION INVOLVED 82 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING, MAINTENANCE, LICENSEE EVENT REPORTS, PLANT PHYSICAL PROTECTION, IE BULLETIN AND CIRCULAR FOLLOWUP, PREVIOUS INSPECTION FOLLOWUP, TMI ACTION ITEMS, AND REACTOR TRIPS. IN THE AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATIONS 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED AND ADHERED TO FOR RADIATION CONTROL AND OPERATION OF SYSTEMS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THE REQUIREMENT THAT DETAILED WRITTEN PROCEDURES BE PREPARED APPROVED AND ADHERED TO WAS NOT MET IN THAT 1) SYSTEM OPERATING INSTRUCTION - 77 FOR THE OPERATION OF THE RADWASTE SYSTEM COULD NOT BE USED AS WRITTEN. 2) CONTAINMENT ATMOSHPERE DILUTION OPERATING INSTRUCTION COULD NOT BE USED

ENFORCEMENT SUMMARY

AS WRITTEN. TECHNICAL SPECIFICATIONS 6.3.A REQUIRES THAT DETAILED WRITTEN PROCEDURES SHALL BE PREPARED, APPROVED AND ADHERED TO FOR RADIATION CONTROL AND OPERATION OF SYSTEMS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THE REQUIREMENT THAT DETAILED WRITTEN PROCEDURES BE PREPARED APPROVED AND ADHERED TO WAS NOT MET IN THAT 1) SYSTEM OPERATING INSTRUCTION - 77 FOR THE OPERATION OF THE RADWASTE SYSTEM COULD NOT BE USED AS WRITTEN. 2) CONTAINMENT ATMOSPHERE DILUTION OPERATING INSTRUCTION COULD NOT BE USED AS WRITTEN.
(8137 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

FULL POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: JANUARY 26 - FEBRUARY 25, 1982 +

INSPECTION REPORT NO: 50-260/82-07 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-057/ 03L-0	10/22/81	11/13/81	H202 SAMPLE PUMP INOPERABLE
81-065/ 03L-0	12/11/81	01/08/82	HIGH PRESSURE COOLANT INJECTION SUPPRESSION CHAMBER LEVEL SWITCH SET 8 INCHES HIGH
82-001/ 01T-0	01/15/82	01/28/82	INPUT ERRORS MADE INTO PROCESS COMPUTER PROGRAMS FOR DETERMINING CORE LIMITS
82-003/ 03L-0	01/16/82	02/09/82	TWO REACTOR LOW-PRESSURE SWITCHES WITH SETPOINTS OUT OF TOLERANCE
82-006/ 03L-0	01/25/82	02/23/82	REACTOR LOW-WATER LEVEL SWITCH OUT OF TOLERANCE
82-007/ 03L-0	01/26/82	02/23/82	REACTOR LOW-WATER LEVEL SWITCH OUT OF TOLERANCE
82-008/ 03L-0	01/27/82	02/25/82	FAILURE OF ROD BLOCK MONITOR TO PASS FUNCTIONAL TEST
82-010/ 03L-0	10/21/81	03/04/82	AVERAGE POWER RANGE MONITOR OUTPUT SIGNAL NOT CALIBRATED
82-011/ 03L-0	02/15/82	03/15/82	SUPPRESSION CHAMBER WATER LEVEL TRANSMITTER WITH CALIBRATION DRIFT

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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: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: TED THOM (205) 729-6846

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	44,568.0
13. Hours Reactor Critical	.0	.0	32,467.9
14. Rx Reserve Shtdwn Hrs	.0	.0	2,141.6
15. Hrs Generator On-Line	.0	.0	31,751.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	93,858,620
18. Gross Elec Ener (MWH)	0	0	30,998,190
19. Net Elec Ener (MWH)	0	0	30,088,946
20. Unit Service Factor	.0	.0	71.2
21. Unit Avail Factor	.0	.0	71.2
22. Unit Cap Factor (MDC Net)	.0	.0	63.4
23. Unit Cap Factor (DER Net)	.0	.0	63.4
24. Unit Forced Outage Rate	.0	.0	9.3
25. Forced Outage Hours	.0	.0	3,233.1

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

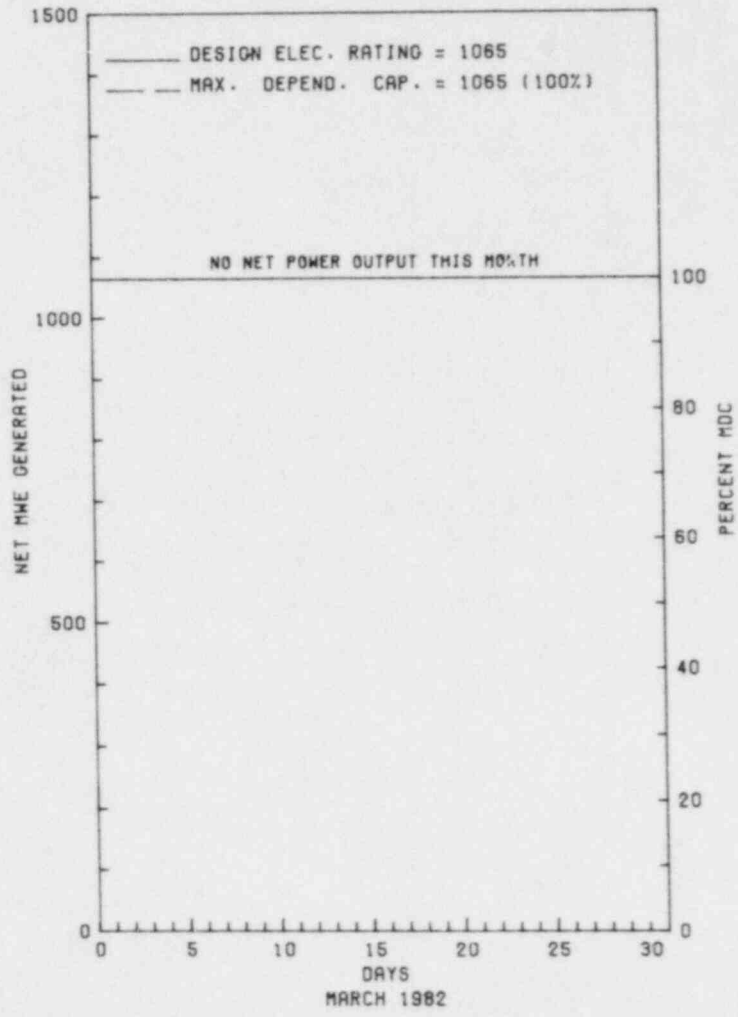
NONE

27. If Currently Shutdown Estimated Startup Date: 05/20/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

BROWNS FERRY 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
93	10/30/81	S	744.0	C	4				REACTOR SCRAM TO ACCOMMODATE EOC-4 REFUEL OUTAGE.

SUMMARY

BROWNS FERRY 3 REMAINED SHUTDOWN IN A CONTINUING REFUELING AND MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period MAR 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.....R. SULLIVAN

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 26, 1981 - JANUARY 25 (82-06): THIS ROUTINE, INSPECTION INVOLVED 67 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, PLANT PHYSICAL PROTECTION, SURVEILLANCE, MAINTENANCE OBSERVATIONS, LICENSEE EVENT REPORTS, HEALTH PHYSICS, CONTAINMENT ATMOSPHERE DILUTION SYSTEM, REACTOR TRIPS AND TMI ACTION ITEMS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE OBSERVED IN SIX AREAS, THREE APPARENT VIOLATIONS WERE IDENTIFIED IN THREE AREAS (VIOLATION OF 10 CFR 50.59(B); VIOLATION OF 10 CFR 50.55A(G)(4); AND VIOLATION OF TECHNICAL SPECIFICATION 6.3.A).

INSPECTION JANUARY 26 - FEBRUARY 25 (82-07): THIS ROUTINE, INSPECTION INVOLVED 82 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, SURVEILLANCE TESTING, MAINTENANCE, LICENSEE EVENT REPORTS, PLANT PHYSICAL PROTECTION, IE BULLETIN AND CIRCULAR FOLLOWUP, PREVIOUS INSPECTION FOLLOWUP, TMI ACTION ITEMS, AND REACTOR TRIPS. IN THE AREAS INSPECTED, NO DEVIATIONS OR VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING.

LAST IE SITE INSPECTION DATE: JANUARY 26 - FEBRUARY 25, 1982 +

INSPECTION REPORT NO: 50-296/82-07 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-060/03L-0	10/12/81	11/09/81	RESIDUAL HEAT REMOVAL SYSTEM II UPPER SUPPRESSION SPRAY ISOLATION VALVE 3-FCV-74-75 FAILED TO OPEN
81-069/03L-0	11/16/81	12/18/81	LPCI MOTOR GENERATOR SET HIGH VIBRATION
81-073/03L-0	12/22/81	01/20/82	MAINSTEAM ISOLATION VALVES LEAKAGE HIGH
81-074/03L-0	12/30/81	01/11/82	FIVE OF SIX TARGET ROCK RELIEF VALVES TESTED AT WYLE LABORATORIES OUT OF ALLOWABLE RANGE
81-075/03L-0	12/21/81	01/19/82	LEVEL INDICATOR L1-3-46B OUT OF CALIBRATION BY 15 INCHES OF WATER
82-001/03L-0	01/14/82	02/12/82	FIXED FIRE PROTECTION VALVE WHICH WAS ACCIDENTALLY INITIATED
82-002/03L-0	01/21/82	02/18/82	SMOKE DETECTOR IN AUXILIARY INSTRUMENT ROOM 3 WOULD NOT ALARM

82-003/ 03L-0	01/23/82	02/19/82	REACTOR CLEANUP SYSTEM FLOOR DRAIN HIGH TEMPERATURE SWITCH OUT OF CALIBRATION
82-004/ 03L-0	02/07/82	03/05/82	HIGH PRESSURE COOLANT INJECTION LINE SPACE HIGH TEMPERATURES

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1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	44,161.0
13. Hours Reactor Critical	744.0	1,952.3	30,217.6
14. Rx Reserve Shtdwn Hrs	.0	.0	1,647.1
15. Hrs Generator On-Line	744.0	1,899.7	28,439.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,299,464	3,824,802	58,242,603
18. Gross Elec Ener (MWH)	429,265	1,243,615	19,244,820
19. Net Elec Ener (MWH)	415,304	1,201,957	18,505,448
20. Unit Service Factor	100.0	87.9	64.4
21. Unit Avail Factor	100.0	87.9	64.4
22. Unit Cap Factor (MDC Net)	70.7	70.4	53.0
23. Unit Cap Factor (DER Net)	68.0	67.8	51.0
24. Unit Forced Outage Rate	.0	3.0	18.1
25. Forced Outage Hours	.0	58.2	6,213.6

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

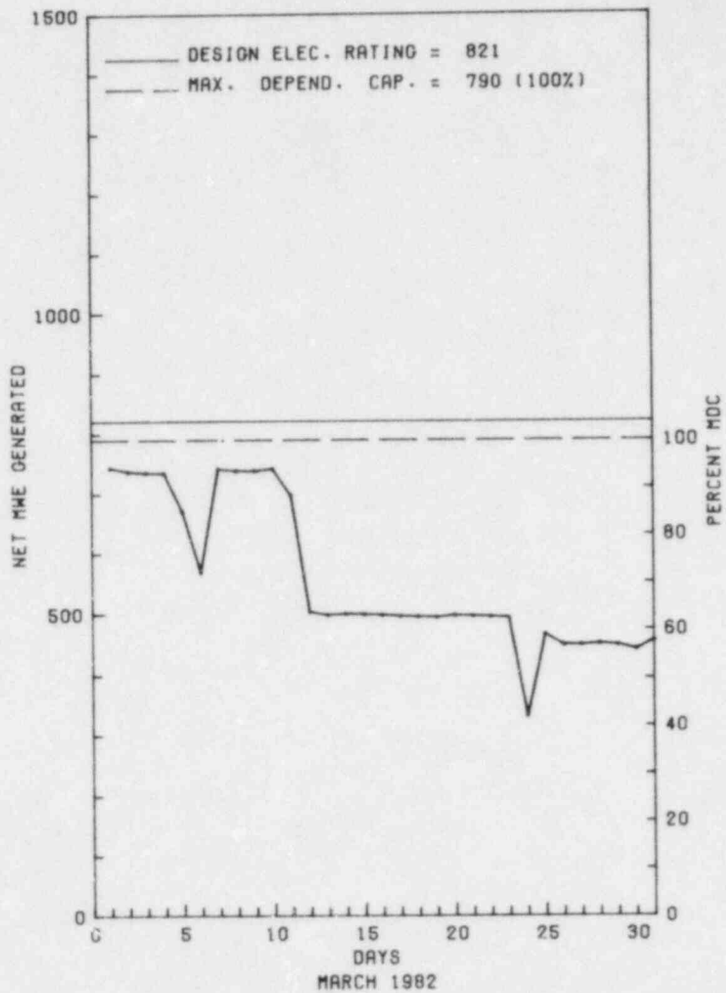
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

BRUNSWICK 1 OPERATED ROUTINELY DURING MARCH WITH NO REPORTABLE OUTAGES OR REDUCTIONS.

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

****
* 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.....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. MEYERS

LICENSING PROJ MANAGER.....J. VAN VLIET
DOCKET NUMBER.....50-325

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 25-29 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF INTERNAL AND EXTERNAL EXPOSURE CONTROL, RESPIRATORY PROTECTION, PERSONNEL CONTAMINATION CONTROL, RADWASTE SHIPPING AND GASEOUS WASTE DISCHARGES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW PROCEDURES).

INSPECTION JANUARY 15 - FEBRUARY 15 (82-05): THE INSPECTION INVOLVED 118 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE EVENT REPORTS, FOLLOWUP ON TMI TASK ACTION PLAN ITEMS, REVIEW AND AUDIT OF ONSITE SAFETY COMMITTEE MEETINGS, REVIEW OF PERIODIC REPORTS, TRAINING, FOLLOWUP OF PLANT TRIPS AND SAFETY SYSTEM CHALLENGES, INDEPENDENT INSPECTION OPERATIONAL SAFETY VERIFICATION, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, AND REVIEW AND AUDITS OF MAINTENANCE ACTIVITIES. OF THE 10 AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO ADEQUATELY ESTABLISH PROCEDURES; FAILURE TO RETAIN SURVEILLANCE, MAINTENANCE RECORDS; AND FAILURE TO INITIATE SBLC LCO). ONE DEVIATION WAS IDENTIFIED (FAILURE TO PERFORM QUARTERLY CALIBRATION OF EQUIPMENT INSTALLED PER TMI ACTION PLAN COMMITMENT).

INSPECTION FEBRUARY 16-19 (82-06): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAIN STEAM ISOLATION VALVE TESTING AND MAINTENANCE DOCUMENTATION. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

AN ENFORCEMENT MEETING WAS HELD ON FEBRUARY 24, 1982, TO DISCUSS PROPOSED CORRECTIVE ACTIONS CONCERNING EXCEEDING A LIMITING CONDITION FOR OPERATION AND THE FAILURE OF THE RESIDUAL HEAT REMOVAL (RHR) SERVICE WATER SYSTEM TO OPERATE AS IDENTIFIED IN INSPECTION REPORT 50-324/82-02 AND 50-325/82-02.

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: FEBRUARY 15 - MARCH 15, 1982 +

INSPECTION REPORT NO: 50-325/82-08 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-085/ 03L-0	12/28/81	01/27/82	REACTOR LEVEL TRANSMITTER 1-B21-LT-N017D-1 INDICATING UPSCALE
82-001/ 03L-0	01/18/82	02/16/82	DRYWELL EQUIPMENT DRAIN SUMP FLOW INDICATOR INOPERABLE
82-003/ 01T-0	01/18/82	02/01/82	PROCEDURES ALLOW IDLE RECIRCULATION PUMP TO BE RESTARTED WITH GREATER THAN 50 PERCENT FLOW
82-004/ 03L-0	01/11/82	02/08/82	CONTROL ROOM RECORDER/INDICATOR WITH BROKEN DRIVE CORD
82-005/ 03L-0	01/12/82	02/09/82	CONTROL BUILDING DETECTOR WHEN SIMULATING HIGH CHLORINE SIGNAL WOULD NOT ANNUNCIATE
82-006/ 03L-0	02/05/82	03/03/82	NUMEROUS MINUTE AIR LEAKS IN PIPING AND ELECTRICAL PENETRATIONS IN REACTOR BUILDING
82-007/ 03L-0	01/15/82	02/10/82	REACTOR CORE ISOLATION COOLING TURBINE CONTROL VALVE 1-E51-V9 WOULD NOT FULLY OPEN OR CLOSE
82-008/ 03L-0	01/15/82	02/12/82	POST ACCIDENT IODINE DETECTION INSTRUMENT 1-CAC-AQH-1260-2 INDICATING DOWNSCALE
82-009/ 03L-0	01/16/82	02/11/82	CONTROL ROD 14-11 HAD A ROD DRIFT ANNUNCIATION AND LACK OF POSITION AT 34 AND 35
82-010/ 03L-0	01/18/82	02/16/82	REACTOR COOLANT SAMPLING BETWEEN 2 AND 6 HOURS NOT PERFORMED
82-011/ 03L-0	01/18/82	02/16/82	1B RECIRCULATION PUMP TRIPPED
82-012/ 03L-0	02/03/82	02/26/82	PRIMARY CONTAINMENT OXYGEN ANALYZER OUT OF CALIBRATION
82-014/ 03L-0	01/27/82	02/22/82	DRYWELL PARTICULATE MONITORING SYSTEM FAILURE
82-015/ 03L-0	01/22/82	02/18/82	ACCUMULATOR LOW PRESSURE HIGH LEVEL ANNUNCIATION RECEIVED FOR ROD 38-47
82-016/ 03L-0	01/23/82	02/12/82	CONTAINMENT ATMOSPHERE OXYGEN MONITOR CAC-AT-1263-2 WOULD NOT CALIBRATE

REPORTS FROM LICENSEE - (CONTINUED)

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

82-017/ 03L-0	01/28/82	02/11/82	'A' LOOP OF SUPPRESSION POOL COOLING INOPERABLE
82-018/ 03L-0	02/11/82	03/05/82	POST-ACCIDENT DRYWELL PARTICULATE RADIATION DETECTION INSTRUMENT FAILURE
82-020/ 03L-0	02/10/82	03/11/82	MAIN TURBINE CONTROL VALVE HYDRAULIC OIL PRESSURE SWITCH 1-EHC-PSL-1758 WOULD NOT ACTUATE
82-021/ 03L-0	02/11/82	03/08/82	ROD POSITION INDICATION FAILURE
82-024/ 03L-0	02/14/82	03/16/82	FAILURE OF DRYWELL TO SUPPRESSION CHAMBER VACUUM BREAKER

1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	56,185.0
13. Hours Reactor Critical	725.5	1,892.9	37,059.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	720.4	1,831.8	34,601.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,347,896	3,400,326	63,397,862
18. Gross Elec Ener (MWH)	423,788	1,076,474	21,070,411
19. Net Elec Ener (MWH)	408,369	1,036,856	20,226,269
20. Unit Service Factor	96.8	84.8	61.6
21. Unit Avail Factor	96.8	84.8	61.6
22. Unit Cap Factor (MDC Net)	69.5	60.8	45.6
23. Unit Cap Factor (DER Net)	66.9	58.5	43.8
24. Unit Forced Outage Rate	3.2	15.2	17.0
25. Forced Outage Hours	23.6	328.2	7,506.8

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

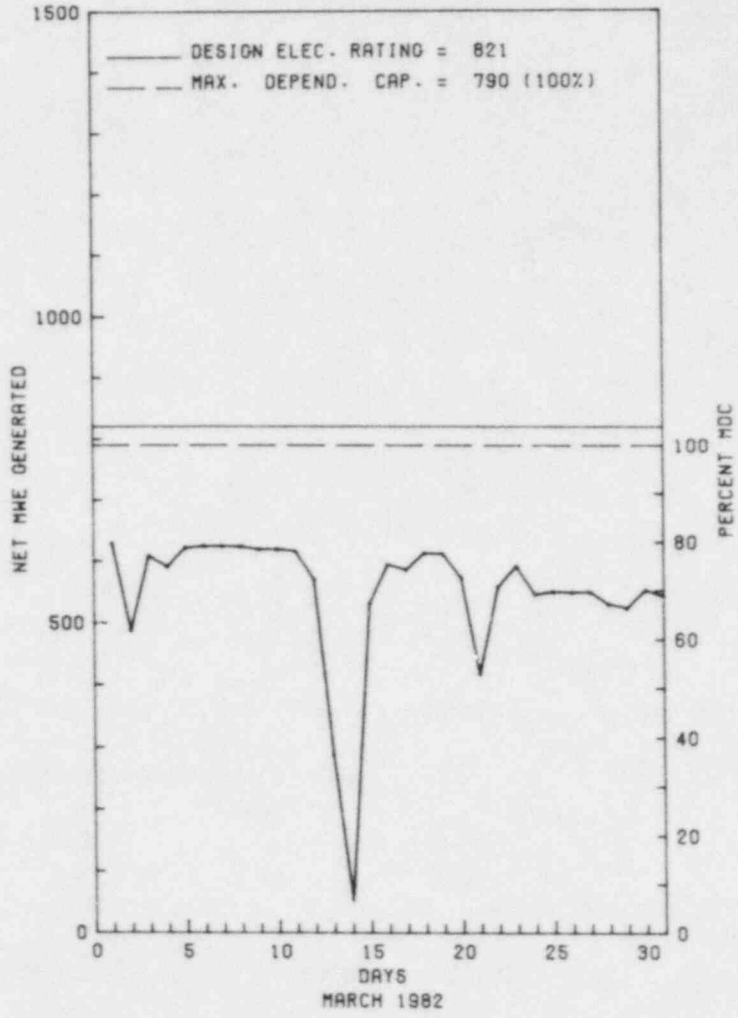
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81-040	03/13/82	F	23.6	A	3		IA	INSTRU	REACTOR SCRAM ON LLI SIGNAL AT A MORE CONSERVATIVE SETPOINT THAN REQUIRED WHILE PLACING A SECOND RFP IN SERVICE. N017 LEVEL SWITCHES WERE CALIBRATED AND SETPOINTS READJUSTED.

****
* SUMMARY *
****

BRUNSWICK 2 OPERATED WITH 1 OUTAGE DURING MARCH FOR EQUIPMENT FAILURE.

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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA

COUNTY.....BRUNSWICK

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 20, 1975

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

DATE COMMERCIAL OPERATE....NOVEMBER 3, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CAPE FEAR RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BROWN & ROOT

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. MEYERS

LICENSING PROJ MANAGER.....J. VAN VLIET
DOCKET NUMBER.....50-324

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 25-29 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF INTERNAL AND EXTERNAL EXPOSURE CONTROL, RESPIRATORY PROTECTION, PERSONNEL CONTAMINATION CONTROL, RADWASTE SHIPPING AND GASEOUS WASTE DISCHARGES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO FOLLOW PROCEDURES).

INSPECTION JANUARY 15 - FEBRUARY 15 (82-05): THE INSPECTION INVOLVED 118 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF LICENSEE EVENT REPORTS, FOLLOWUP ON TMI TASK ACTION PLAN ITEMS, REVIEW AND AUDIT OF ONSITE SAFETY COMMITTEE MEETINGS, REVIEW OF PERIODIC REPORTS, TRAINING, FOLLOWUP OF PLANT TRIPS AND SAFETY SYSTEM CHALLENGES, INDEPENDENT INSPECTION OPERATIONAL SAFETY VERIFICATION, REVIEW AND AUDIT OF SURVEILLANCE ACTIVITIES, AND REVIEW AND AUDITS OF MAINTENANCE ACTIVITIES. OF THE 10 AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED (FAILURE TO ADEQUATELY ESTABLISH PROCEDURES; FAILURE TO RETAIN SURVEILLANCE, MAINTENANCE RECORDS; AND FAILURE TO INITIATE SBLC LCO). ONE DEVIATION WAS IDENTIFIED (FAILURE TO PERFORM QUARTERLY CALIBRATION OF EQUIPMENT INSTALLED PER TMI ACTION PLAN COMMITMENT).

INSPECTION FEBRUARY 16-19 (82-06): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 23 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAIN STEAM ISOLATION VALVE TESTING AND MAINTENANCE DOCUMENTATION. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

AN ENFORCEMENT MEETING WAS HELD ON FEBRUARY 24, 1982, TO DISCUSS PROPOSED CORRECTIVE ACTIONS CONCERNING EXCEEDING A LIMITING CONDITION FOR OPERATION AND THE FAILURE OF THE RESIDUAL HEAT REMOVAL (RHR) SERVICE WATER SYSTEM TO OPERATE AS IDENTIFIED IN INSPECTION REPORT 50-324/82-02 AND 50-325/82-02.

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES WRITTEN PROCEDURES TO BE IMPLEMENTED FOR ITEMS RECOMMENDED IN APPENDIX A OF NRC REQULATORY GUIDE 1.33. ITEM 5 OF APPENDIX SPECIFIES EACH SAFETY RELATED ANNUNCIATOR SHOULD HAVE ITS OWN WRITTEN PROCEDURE. CONTRARY TO THE ABOVE, WRITTEN PROCEDURE FOR SAFETY RELATED ANNUNCIATOR HPCI ROOM DOOR OPEN WAS NOT IMPLEMENTED FROM DECEMBER 28-30, 1981, IN THAT THE PROCEDURE ALLOWS ONE DOOR TO BE OPEN, WHEREAS BOTH DOORS HAD BEEN OPEN DURING THE AFOREMENTIONED PERIOD.

TECHNICAL SPECIFICATION 3.4.5, ACTION STATEMENT B.1, REQUIRES, WHEN PRIMARY COOLANT SPECIFIC ACTIVITY EXCEEDS 0.2 UCI/GRAM DOSE EQUIVALENT I-131, COOLANT SAMPLES AND ANALYSIS IS TO BE PERFORMED AT LEAST ONCE PER 4 HOURS UNTIL THE ACTIVITY IS WITHIN THE LIMIT. CONTRARY TO THE ABOVE, ON DECEMBER 18, 1981, PRIMARY COOLANT SAMPLE TAKEN AT 2100 HOURS EXCEEDED 0.2 UCI/GRAM DOSE EQUIVALENT I-131 AND THE REQUIRED SAMPLES ONCE PER 4 HOURS WERE NOT TAKEN.
(8201 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ REFUELING SCHEDULED TO START 4/24/82.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: FEBRUARY 15 - MARCH 15, 1982 +

INSPECTION REPORT NO: 50-324/82-08 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-132/ 03L-0	12/18/81	01/14/82	REACTOR WATER CLEANUP SYSTEM INBOARD ISOLATION VALVE POSITION INDICATION LOST
81-139/ 03L-0	12/20/81	01/18/82	REACTOR CORE ISOLATION COOLANT TURBINE EXHAUST DIAPHRAGM INSTRUMENTS DID NOT RESPOND TO SIGNAL
81-143/ 03L-0	12/28/81	01/22/82	NUMBER 4 DIESEL WOULD NOT ASSUME STEADY LOAD GREATER THAN 1000KV
81-145/ 03L-0	12/30/81	01/20/82	NUMBER 4 DIESEL GENERATOR TRIPPED ON LOW LUBRICATION OIL PRESSURE
82-001/ 03L-0	01/03/82	01/22/82	INOPERABILITY OF REACTOR CORE ISOLATION COOLANT INSTRUMENTATION VALVE 2-E51-F043D
82-002/ 03L-0	01/03/82	02/01/82	SUPPRESSION CHAMBER WATER LEVEL INDICATOR 2-CAC-L1-3342 OUT OF CALIBRATION
82-004/ 03L-0	01/11/82	02/08/82	MEASURED OXYGEN CONCENTRATION IN DRYWELL EXCEEDED TECHNICAL SPECIFICATION LIMITS
82-005/ 01T-0	01/16/82	01/29/82	RESIDUAL HEAT REMOVAL SERVICE WATER LOOPS INOPERABLE AS NEITHER LOOPS PUMPS WOULD START
82-006/ 03L-0	01/29/82	02/22/82	SUPPRESSION CHAMBER WATER LEVEL INSTRUMENT NOT WORKING PROPERLY
82-007/ 03L-0	01/13/82	02/09/82	REACTOR ACTIVITY EXCEEDED TECHNICAL SPECIFICATION LIMITS FOR 38 HOURS AND 5 MINUTES
82-008/ 03L-0	01/12/82	02/09/82	CONTROL POWER LEAD TO REACTOR CORE ISOLATION COOLING SOLENOID IMPROPERLY ROUTED
82-009/ 01T-0	01/11/82	01/22/82	SERVICE WATER BUILDING SOUTH-SIDE SPRINKLER AND OTHERS UNKNOWINGLY BEEN ISOLATED
82-010/ 03L-0	02/07/82	03/04/82	SUPPRESSION CHAMBER WATER TEMPERATURE RECORDED NOT OPERATING PROPERLY
82-013/ 03L-0	01/16/82	02/11/82	REACTOR LOW LEVEL SWITCH 2-B21-L15-N07D-1 NOT OPERATING PROPERLY
82-014/ 03L-0	01/17/82	02/11/82	PRIMARY OXYGEN ANALYZER 2-CAC-AT-1263-2 NOT FUNCTIONAL

82-015/03L-0	01/17/82	02/15/82	INTERMEDIATE RANGE MONITOR E INDICATING DOWNSCALE WHEN ON RANGE 9
82-016/03L-0	02/14/82	03/09/82	2A RECIRCULATION PUMP TRIPPED
82-017/03L-0	01/18/82	02/12/82	SUPPRESSION CHAMBER WATER TEMPERATURE RECORDED INOPERABLE
82-018/03L-0	01/20/82	02/17/82	DRYWELL FLOOR DRAIN SUMP FLOW INDICATOR INOPERABLE
82-019/03L-0	02/14/82	03/12/82	DRYWELL PARTICULATE RADIATION DETECTION INSTRUMENT INDICATING DOWNSCALE
82-020/03L-0	01/29/82	02/28/82	PRIMARY CONTAINMENT ATMOSPHERIC OXYGEN ANALYZER OUT OF CALIBRATION
82-021/03L-0	01/29/82	02/22/82	SUPPRESSION CHAMBER WATER LEVEL INSTRUMENTATION OUT OF CALIBRATION
82-022/03L-0	02/18/82	02/24/82	TRAVERSING INCORE PROBE GUIDE TUBE BALL VALVE INOPERABLE
82-024/03L-0	02/05/82	02/05/82	CHLORINE ISOLATION SYSTEM WILL NOT ISOLATE FROM VENTILATION SYSTEM WHEN CONTROL SWITCH IS ON
82-025/03L-0	02/15/82	03/08/82	MELTED INSULATION PREVENTED MAIN STEAM LINE TUNNEL TEMPERATURE HIGH CHANNEL B FROM ACTUATING
82-026/03L-0	02/02/82	02/25/82	REACTOR LOW WATER LEVEL SWITCH 2-B21-LIS-N031B-2 WOULD NOT ACTUATE
82-027/03L-0	02/02/82	03/03/82	MAIN STEAM LINE RADIATION HIGH CHANNEL D WOULD NOT ACTUATE
82-029/03L-0	02/03/82	03/01/82	ANNUNCIATOR PROBLEM WITH RESIDUAL HEAT REMOVAL SERVICE WATER PUMP
82-031/03L-0	02/09/82	03/04/82	WATER DRIPPING ON EQUIPMENT CABINET OF PRIMARY CONTAINMENT ATMOSPHERIC MONITOR

1. Docket: 50-317 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:
NONE

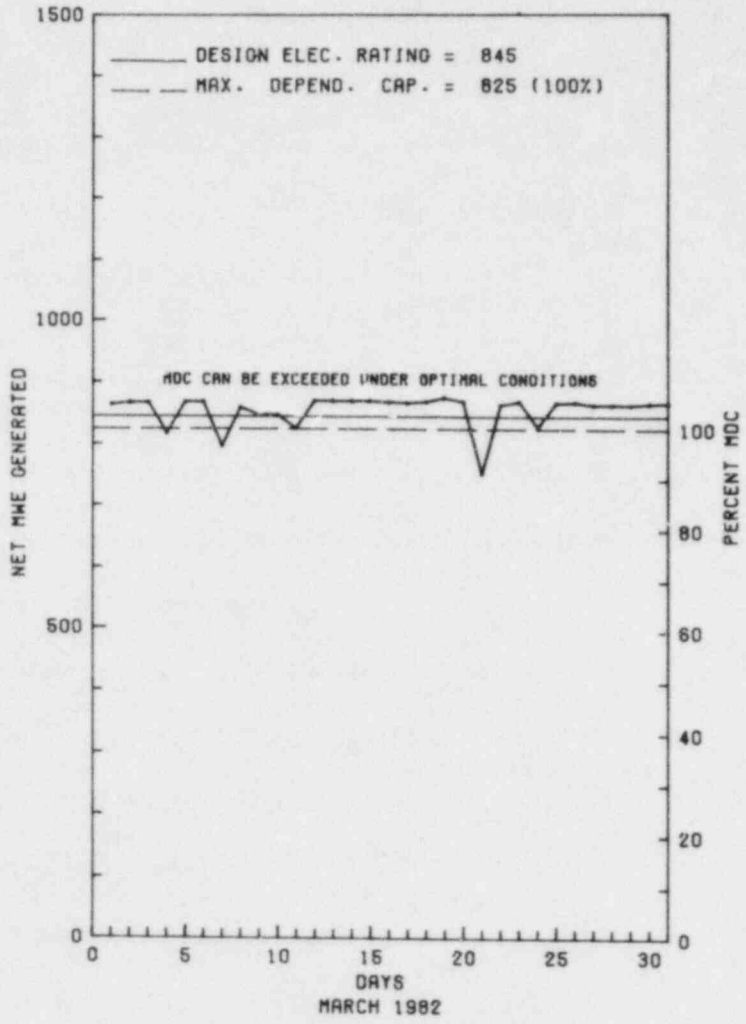
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	60,469.0
13. Hours Reactor Critical	744.0	2,160.0	48,759.7
14. Rx Reserve Shtdwn Hrs	.0	.0	1,792.4
15. Hrs Generator On-Line	744.0	2,160.0	47,761.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,969,380	5,713,675	115,633,153
18. Gross Elec Ener (MWH)	663,655	1,929,704	37,923,701
19. Net Elec Ener (MWH)	636,754	1,851,241	36,153,274
20. Unit Service Factor	100.0	100.0	79.0
21. Unit Avail Factor	100.0	100.0	79.0
22. Unit Cap Factor (MDC Net)	103.7	103.9	72.5*
23. Unit Cap Factor (DER Net)	101.3	101.4	70.8
24. Unit Forced Outage Rate	.0	.0	8.5
25. Forced Outage Hours	.0	.0	4,317.8

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
REFUELING & RETUBE CONDENSER-4/17/82 THRU 7/25/82.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

CALVERT CLIFFS 1 OPERATED ROUTINELY DURING MARCH, WITH NO REPORTABLE OUTAGES OR REDUCTIONS.

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

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

FACILITY DATA

Report Period MAR 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...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
PRINCE FREDERICK, MARYLAND 20678

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-317/81-25 - NOV 16-20: ROUTINE UNANNOUNCED MATERIAL CONTROL AND ACCOUNTING INSPECTION BY TWO REGION-BASED INSPECTORS (18 HRS) INCLUDED: ORGANIZATION AND OPERATION; MEASUREMENT AND CONTROLS; SHIPPING AND RECEIVING; STORAGE AND INTERNAL CONTROLS; INVENTORY; RECORDS AND REPORTS; AND MANAGEMENT OF THE MATERIAL CONTROL SYSTEM. ONE VIOLATION WAS IDENTIFIED: FAILURE OF STATION PROCEDURES ESTABLISHED FOR NUCLEAR MATERIAL CONTROL AND ACCOUNTING TO ASSURE THAT RECEIPTS OF FISSION CHAMBERS CONTAINING HIGH ENRICHED URANIUM WERE ACKNOWLEDGED AS REQUIRED, DOCUMENTATION COMPLETED, AND THE SPECIAL NUCLEAR MATERIAL ACCOUNTED FOR IN RECORDS AND INVENTORY.

+ 50-317/82-04 - FEB 3 - MAR 2: ROUTINE ONSITE REGULAR AND BACKSHIFT INSPECTION BY THE RESIDENT INSPECTORS (55 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM AND THE ACCESSIBLE PORTIONS OF THE AUXILIARY, TURBINE, SERVICE, AND INTAKE BUILDINGS; RADIATION PROTECTION, PHYSICAL SECURITY, FIRE PROTECTION, PLANT OPERATING RECORDS, MAINTENANCE, SURVEILLANCE, PLANT OPERATIONS, RADIOACTIVE WASTE RELEASES, OPEN ITEMS, IE BULLETINS, TMI ACTION PLAN ITEMS, AND REPORTS TO THE NRC. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE OF STATION PROCEDURES ESTABLISHED FOR MATERIAL CONTROL AND ACCOUNTING TO ASSURE THAT RECEIPTS OF FISSION CHAMBERS CONTAINING HIGH ENRICHED URANIUM ARE ACKNOWLEDGED AS REQUIRED, DOCUMENTATION COMPLETED, AND THE SPECIAL NUCLEAR MATERIAL ACCOUNTED FOR IN RECORDS AND INVENTORY.

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

ENFORCEMENT SUMMARY

(8125 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NO SIGNIFICANT NEW INFORMATION.

LAST IE SITE INSPECTION DATE: 3/15-19/82 +

INSPECTION REPORT NO: 50-317/82-06 +

REPORTS FROM LICENSEE

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 03L	01/20/82	02/19/82	EXCESSIVE LEAK RATE PAST CONTAINMENT EMERGENCY ESCAPE HATCH OUTER DOOR
82-003/ 03L	01/26/82	02/25/82	#29 CELL OF 125 VDC BATTERY 12 WAS 0.04 V BELOW MINIMUM
82-005/ 03L	01/29/82	02/26/82	#12 CONTROL ROOM A/C UNIT TRIPPED AND COULD NOT BE RESET
82-006/ 03L	02/15/82	03/17/82	#13 CONTAINMENT AIR COOLER FAN INOPERABLE
82-007/ 03L	02/18/82	03/19/82	AUXILIARY FEEDWATER FLOW INDICATION INOPERABLE
82-008/ 03L	03/03/82	03/22/82	#11 COMPONENT COOLING HEAT EXCHANGER REMAINED ISOLATED FOR 13 HOURS AFTER MAINTENANCE

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1. Docket: 50-318 OPERATING STATUS
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	43,824.0
13. Hours Reactor Critical	744.0	1,860.1	37,428.1
14. Rx Reserve Shtdwn Hrs	.0	9.4	723.9
15. Hrs Generator On-Line	744.0	1,841.5	36,885.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,974,960	4,847,112	90,891,667
18. Gross Elec Ener (MWH)	659,127	1,614,942	30,030,345
19. Net Elec Ener (MWH)	632,350	1,543,936	28,629,747
20. Unit Service Factor	100.0	85.3	84.2
21. Unit Avail Factor	100.0	85.3	84.2
22. Unit Cap Factor (MDC Net)	103.0	86.6	79.2*
23. Unit Cap Factor (DER Net)	100.6	84.6	77.3
24. Unit Forced Outage Rate	.0	14.7	5.9
25. Forced Outage Hours	.0	318.5	2,306.1

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

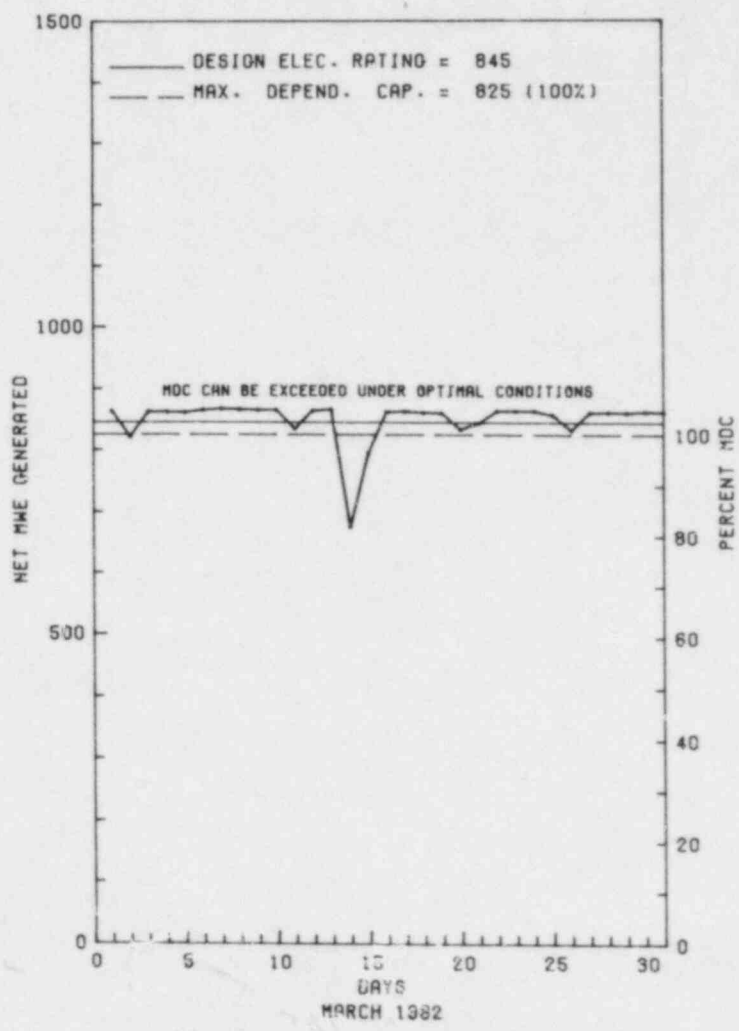
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-06	03/14/82	S	0.0	B	5		ZZ	PUMPXX	SCHEDULED MAINTENANCE ON #21 STEAM GENERATOR FEED PUMP CONTROL OIL SYSTEM.

****
* SUMMARY *
****

CALVERT CLIFFS 2 OPERATED AT FULL POWER WITH 1 REDUCTION FOR MAINTENANCE DURING MARCH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 30, 1976

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

DATE COMMERCIAL OPERATE....APRIL 1, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & 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
PRINCE FREDERICK, MARYLAND 20678

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-318/81-24 - NOV 16-20: ROUTINE UNANNOUNCED MATERIAL CONTROL AND ACCOUNTING INSPECTION BY TWO REGION-BASED INSPECTORS (18 HRS) INCLUDED: ORGANIZATION AND OPERATION; MEASUREMENT AND CONTROLS; SHIPPING AND RECEIVING; STORAGE AND INTERNAL CONTROLS; INVENTORY; RECORDS AND REPORTS; AND MANAGEMENT OF THE MATERIAL CONTROL SYSTEM. NO VIOLATIONS WERE IDENTIFIED.

+ 50-318/82-04 - FEB 3 - MAR 2: ROUTINE ONSITE REGULAR AND PACKSHIFT INSPECTION BY THE RESIDENT INSPECTORS (55 HRS). AREAS INSPECTED INCLUDED THE CONTROL ROOM AND THE ACCESSIBLE PORTIONS OF THE AUXILIARY, TURBINE, SERVICE, AND INTAKE BUILDINGS; RADIATION PROTECTION, PHYSICAL SECURITY, FIRE PROTECTION, PLANT OPERATING RECORDS, MAINTENANCE, SURVEILLANCE, PLANT OPERATIONS, RADIOACTIVE WASTE RELEASES, OPEN ITEMS, IE BULLETINS, TMI ACTION PLAN ITEMS, AND REPORTS TO THE NRC. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO PROPERLY LOCK VALVES; FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 4.1.1.1.1 ON 2/12/82, A SHUTDOWN MARGIN DETERMINATION WAS NOT COMPLETED WITHIN ONE HOUR OF DETECTION OF INOPERABLE CONTROL ELEMENT ASSEMBLY.
(8204 4)

CONTRARY TO T.S. 6.8.1 ON 2/4/82, THE FOLLOWING VALVES WERE FOUND TO BE IN THE CORRECT POSITION BUT WERE NOT LOCKED: 2 SI 450, 22 LPSI MIN. FLOW RETURN ISOLATION VOL.; 2 CC 246, SUPPLY TO HPSI PUMP 23 COOLER.

ENFORCEMENT SUMMARY

(8204 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NO SIGNIFICANT NEW INFORMATION.

LAST IE SITE INSPECTION DATE: 3/15-19/82 +

INSPECTION REPORT NO: 50-318/82-06 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 03L	02/04/82	03/05/82	FEEDBREAKER 152-2101 TRIPPED OPEN CAUSING LOSS OF POWER TO 21-4KV BUS
82-003/ 03L	01/20/82	02/19/82	CTMT ATMOSPHERE GASEOUS RADIOACTIVITY MONITOR INOPERABLE
82-004/ 03L	02/11/82	03/12/82	#22 STEAM GENERATOR PRESSURE INDICATION ON REMOTE SHUTDOWN MONITOR INSTRUMENT PANEL READING HIGH BY 44 PSI
82-005/ 03L	02/23/82	03/09/82	JET IMPINGEMENT BARRIER IN MAIN STEAM PENETRATION ROOM NOT COMPETELY INSTALLED
82-006/ 03L	02/19/82	03/19/82	LEAKAGE PAST CTMT PURGE SUPPLY & EXHAUST VALVES IN EXCESS OF TS
82-007/ 03L	02/23/82	03/25/82	AUXILIARY FEEDWATER FLOW INDICATION INOPERABLE
82-008/ 03L	02/12/82	03/12/82	CONTAINMENT INNER DOOR INOPERABLE
82-009/ 03L	02/06/82	03/08/82	PRESSURIZER LEVEL DEVIATED FROM PROGRAM LEVEL BY MORE THAN 5%
82-010/ 03L	02/12/82	03/12/82	CEA-19 STUCK AT APPROXIMATELY 8 INCHES WITHDRAWN POSITION
82-011/ 03L	02/23/82	03/25/82	STEAM GENERATOR PRESSURE INDICATOR PI-1023A READING HIGH
82-012/ 03L	02/23/82	03/25/82	CHANNEL D WIDE RANGE NUCLEAR INSTRUMENT SPIKING HIGH
82-013/ 03L	03/16/82	03/25/82	AUXILIARY BUILDING OPERATOR INADVERTENTLY ISOLATED #21 CTMT SPRAY HEADER
82-014/ 03L	03/04/82	04/02/82	OIL FROM #21 EMERGENCY DIESEL GENERATOR CONTAMINATED WITH STANDING WATER

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1. Docket: 50-315 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	63,528.0
13. Hours Reactor Critical	666.7	1,169.9	47,443.3
14. Rx Reserve Shtdwn Hrs	.0	.0	463.0
15. Hrs Generator On-Line	646.6	1,143.4	46,365.6
16. Unit Reserve Shtdwn Hrs	.0	.0	321.0
17. Gross Therm Ener (MWH)	2,024,073	3,593,590	133,956,779
18. Gross Elec Ener (MWH)	663,370	1,188,860	44,070,640
19. Net Elec Ener (MWH)	639,540	1,146,783	42,387,461
20. Unit Service Factor	86.9	52.9	75.5
21. Unit Avail Factor	86.9	52.9	75.5
22. Unit Cap Factor (MDC Net)	82.3	50.9	68.0
23. Unit Cap Factor (DER Net)	81.6	50.4	64.5
24. Unit Forced Outage Rate	13.0	47.0	8.5
25. Forced Outage Hours	96.6	1,015.8	3,954.1

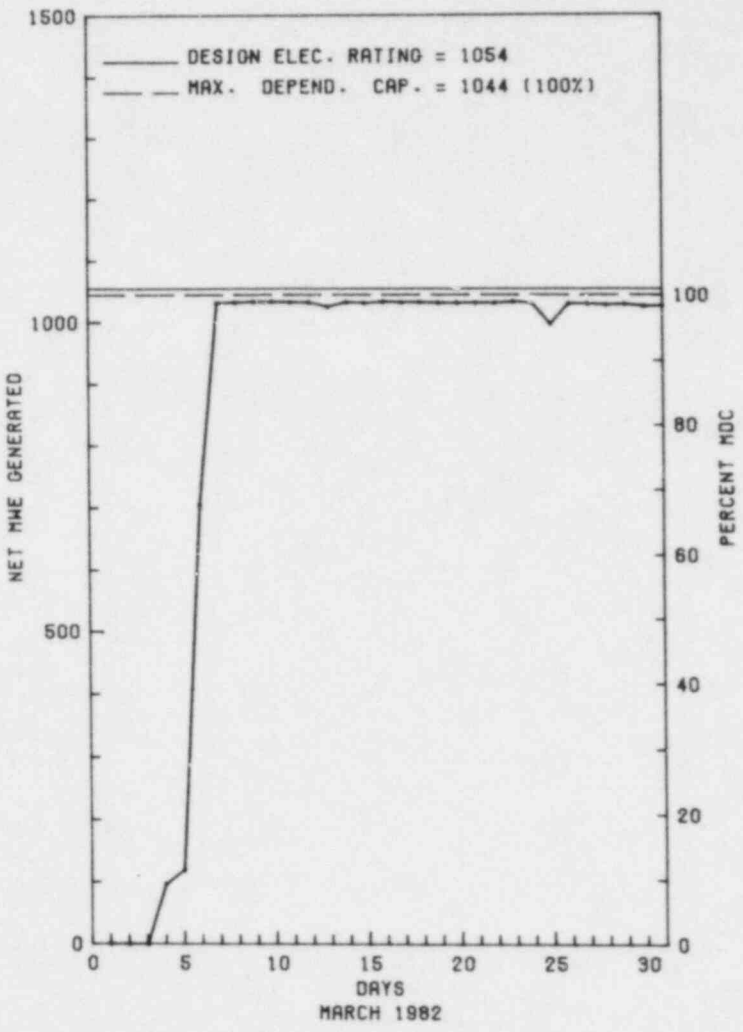
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

COOK 1

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

COOK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
179	01/31/82	F	81.6	A	4		HA	TURBIN	TURBINE REPAIR OUTAGE CONTINUED FROM PREVIOUS MONTH. TURBINE WAS PLACED ON TURNING GEAR ON MARCH 2 FOLLOWING REBLADING OF BOTH FIRST STAGES. UNIT WAS PARALLELED TO GRID AND BROUGHT TO 25% ON MARCH 4, 1982. TOTAL LENGTH OF OUTAGE WAS 770.9 HOURS.
180	03/04/82	S	0.8	B	1		ZZ	ZZZZZZ	UNIT REMOVED FROM SERVICE TO PERFORM TURBINE OVERSPEED TEST.
181	03/05/82	F	15.0	A	3	82-015	CC	INSTRU	UNIT TRIPPED DUE TO REACTOR TRIP FROM LOW-LOW LEVEL IN NO. 1 STEAM GENERATOR. LOW LEVEL IN STEAM GENERATORS WAS AS A RESULT OF A 300 MW LOAD REJECTION CAUSED BY PROBLEMS WITH TURBINE INITIAL PRESSURE LIMITER. INITIAL PRESSURE LIMITER WAS REMOVED FROM SERVICE AND UNIT RETURNED TO SERVICE THE SAME DAY. 100% REACTOR POWER WAS REACHED ON MARCH 7, 1982.

SUMMARY

COOK 1 RETURNED ONLINE FROM A PREVIOUS TURBINE REPAIR OUTAGE ON MARCH 4TH AND INCURRED 2 ADDITIONAL OUTAGES DURING MARCH.

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

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

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.....R. CILIMBERG
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

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

INSPECTION SUMMARY

INSPECTION ON DECEMBER 16, 1981 THROUGH JANUARY 31, 1982 (81-29): ROUTINE ONSITE REGULAR AND BACKSHIFT INSPECTION CONDUCTED BY A TECHNICAL SUPPORT AND TWO RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED; FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, SURVEILLANCE, MAINTENANCE, PLANT TRIPS, FORCED SHUTDOWN, TECHNICAL BULLETIN RESPONSE, CONTAINMENT INTEGRATED LEAK RATE TESTING, EMERGENCY NOTIFICATION NETWORK, LICENSEE EVENT REPORTS, AND PLANT ORGANIZATION. THE INSPECTION INVOLVED A TOTAL OF 251 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 19, (82-02): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN". THE INSPECTION INVOLVED A TOTAL OF 8 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

ON 1/31/82 UNIT 1 HP TURBINE TRIPPED DUE TO HIGH VIBRATION. INVESTIGATION FOUND A FIRST STAGE BLADE MISSING AND DAMAGE TO BEARINGS AND OTHER INTERNAL PARTS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

R. S. KEITH WAS REPLACED BY K. R. BAKER AS OPERATIONS SUPERINTENDENT. MR. BAKER WAS THE NRC RESIDENT INSPECTOR 1974 TO 1978.

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 19, 1982

INSPECTION REPORT NO: 82-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-09/03L-0	01/28/82	02/26/82	A LEAK IN THE ESW PIPE DOWNSTREAM OF THE OUTLET VALVE FROM THE EAST CCW HEAT EXCHANGER WAS DISCOVERED.
82-10/04T-0	03/11/82	03/19/82	A GAS RELEASE OF AN ELEVATED UNIT 1 VENT STACK GASEOUS MONITOR EXCEEDING T.S.

1. Docket: 50-316 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	37,224.0
13. Hours Reactor Critical	268.5	1,666.1	25,691.1
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	254.6	1,645.3	24,866.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	833,555	5,325,689	79,386,510
18. Gross Elec Ener (MWH)	276,030	1,756,430	25,464,230
19. Net Elec Ener (MWH)	266,396	1,694,669	24,538,792
20. Unit Service Factor	34.2	76.2	71.6
21. Unit Avail Factor	34.2	76.2	71.6
22. Unit Cap Factor (MDC Net)	33.1	72.5	67.0
23. Unit Cap Factor (DER Net)	32.6	71.3	66.2
24. Unit Forced Outage Rate	65.8	23.8	14.9
25. Forced Outage Hours	489.4	514.7	4,108.7

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

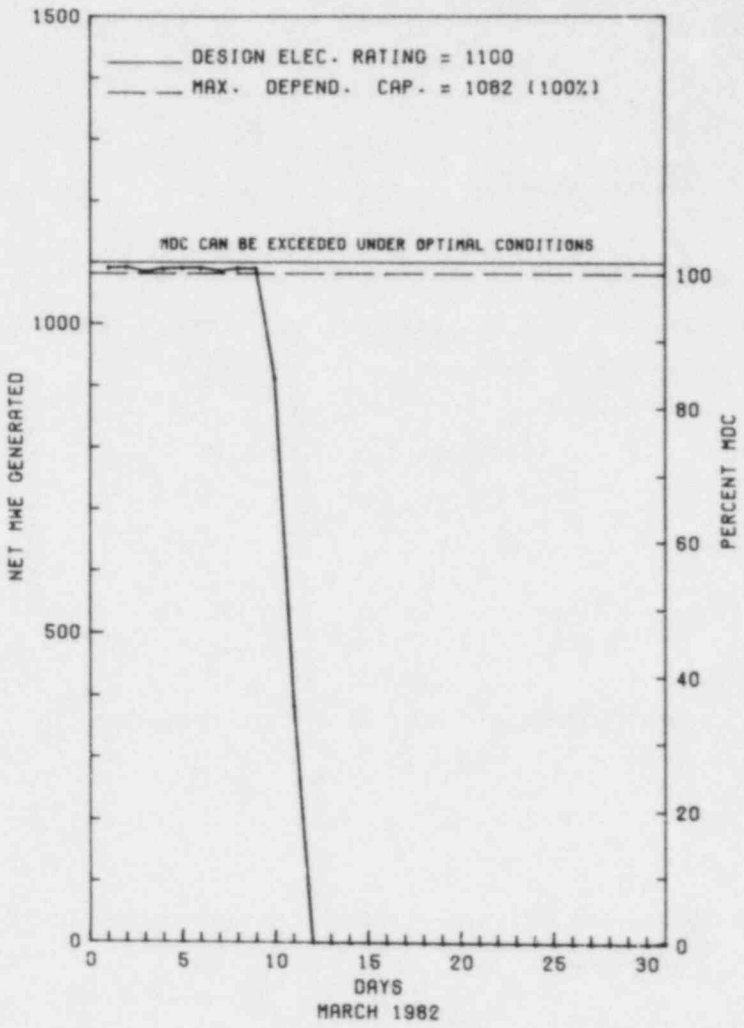
NONE

27. If Currently Shutdown Estimated Startup Date: 04/10/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

COOK 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
108	03/11/82	F	489.4	B	1		ZZ	ZZZZZZ	A POWER REDUCTION WAS STARTED ON MARCH 10, 1982, DUE TO NO. 23 R.C. PUMP MOTOR TEMPERATURES BEING AT THEIR MAXIMUM LIMIT. ON MARCH 11, 1982, THE DECISION WAS MADE TO REMOVE THE UNIT FROM SERVICE DUE TO THE HIGH MOTOR TEMPERATURE PROBLEM AND INDICATIONS OF EXCESSIVE LEAKOFF FROM THE NO. 2 SEAL ON THE NO. 23 R.C. PUMP. A TWO-WEEK ICE CONDENSER ICE BASKET WEIGHING SURVEILLANCE OUTAGE SCHEDULED FOR EARLY IN APRIL WAS RESCHEDULED TO THE PRESENT OUTAGE.

SUMMARY

COOK 2 OPERATED ROUTINELY UNTIL MARCH 11TH, 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)

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

FACILITY DATA

Report Period MAR 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 & ROOT

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

LICENSING PROJ MANAGER.....R. CILIMBERG
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 DECEMBER 16, 1981 THROUGH JANUARY 31, 1982 (81-33): ROUTINE ONSITE REGULAR AND BACKSHIFT INSPECTION CONDUCTED BY A TECHNICAL SUPPORT AND TWO RESIDENT INSPECTORS. AREAS INSPECTED INCLUDED; FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, SURVEILLANCE, MAINTENANCE, PLANT TRIPS, FORCED SHUTDOWN, TECHNICAL BULLETIN RESPONSE, CONTAINMENT INTEGRATED LEAK RATE TESTING, EMERGENCY NOTIFICATION NETWORK, LICENSEE EVENT REPORTS, AND PLANT ORGANIZATION. THE INSPECTION INVOLVED A TOTAL OF 251 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 19, (82-02): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN". THE INSPECTION INVOLVED A TOTAL OF 8 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

ON 1/31/82 UNIT 1 HP TURBINE TRIPPED DUE TO HIGH VIBRATION. INVESTIGATION FOUND A FIRST STAGE BLADE MISSING AND DAMAGE TO BEARINGS AND OTHER INTERNAL PARTS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

R. S. KEITH WAS REPLACED BY K. R. BAKER AS OPERATIONS SUPERINTENDENT. MR. BAKER WAS THE NRC RESIDENT INSPECTOR 1974 TO 1978.

PLANT STATUS:

THE PLANT IS IN HOT SHUTDOWN AND IN PROCESS OF STARTING UP.

LAST IE SITE INSPECTION DATE: JANUARY 19, 1982

INSPECTION REPORT NO: 82-02

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
82-11/ 03L-0	01/28/82	02/26/82	A LEAK WAS DISCOVERED IN THE ESW PIPE DOWNSTREAM OF THE OUTLET VALVE FROM THE CCW HEAT EXCHANGER.
82-12/ 03L-0	02/24/82	03/10/82	CONTRARY TO T.S., ONE OF UNIT 2 BORON INJECTION TANK INLET VALVES BREAKER WAS FOUND IN THE OFF POSITION.
82-13/ 03L-0	02/22/82	03/18/82	THE RCS DOSE EQUIVALENT IODINE I-131 CONCENTRATION EXCEEDED T.S.
82-14/ 03L-0	02/17/82	03/18/82	RAD. MONITORS R-11 & 12 SAMPLE PUMP WOULD NOT DEVELOP SUFFICIENT FLOW.
82-15/ 04L-0	02/22/82	03/19/82	THE FLOW INDICATOR FOR THE TURBINE GLAND SEAL LEAKOFF FAILED LOW.
82-16/ 03L-0	07/19/81	03/19/82	DURING NORMAL OPERATION A PINHOLE LEAK WAS DISCOVERED ON THE SUCTION STRAINER FOR WEST CONTAINMENT SPRAY PUMP

1. Docket: 50-298 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	67,945.0
13. Hours Reactor Critical	686.9	2,102.9	55,989.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	679.3	2,095.3	55,052.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,510,176	4,735,104	108,423,582
18. Gross Elec Ener (MWH)	504,283	1,577,045	34,057,832
19. Net Elec Ener (MWH)	489,325	1,528,273	32,825,651
20. Unit Service Factor	91.3	97.0	81.0
21. Unit Avail Factor	91.3	97.0	81.0
22. Unit Cap Factor (MDC Net)	86.1	92.6	63.2
23. Unit Cap Factor (DER Net)	84.5	90.9	62.1
24. Unit Forced Outage Rate	8.7	3.0	4.0
25. Forced Outage Hours	64.7	64.7	1,641.8

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

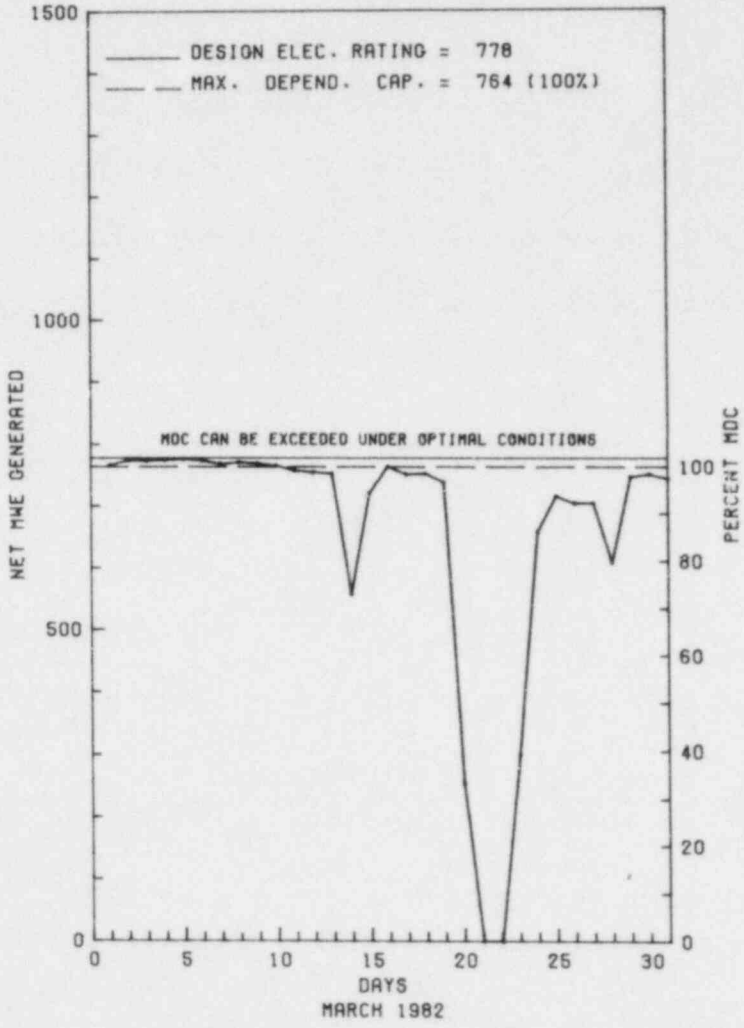
REFUELING, MAY 22, 1982, 4 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-4	03/14/82	S	0.0	H	5				POWER WAS REDUCED TO ADJUST THE CONTROL ROD PATTERN. ALL RODS WERE WITHDRAWN FROM THE CORE AND THE END OF CYCLE COAST DOWN STARTED.
82-4	03/20/82	F	64.7	A	3				AN INTERMITTENT SOURCE OF SPIKES AND FLUCTUATIONS IN THE MAIN GENERATOR VOLTAGE REGULATOR SYSTEM IN THE AUTOMATIC MODE OF OPERATION WAS NOTICED IN JANUARY AND FEBRUARY 1982. ON MARCH 22, 1982, TO STOP THESE SPIKES, THE VOLTAGE REGULATOR CONTROL SYSTEM WAS TRANSFERRED FROM AUTOMATIC OPERATION TO MANUAL OPERATION AND A GENERATOR TRIP RESULTED.

****
* SUMMARY *
****

COOPER STATION OPERATED ROUTINELY WITH 1 OUTAGE AND 1 REDUCTION DURING MARCH.

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

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA

COUNTY.....NEMAHA

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...FEBRUARY 21, 1974

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

DATE COMMERCIAL OPERATE....JULY 1, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSOURI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV

IE RESIDENT INSPECTOR.....D. DUBOIS

LICENSING PROJ MANAGER.....B. SIEGEL
DOCKET NUMBER.....50-298

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

PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
118 15TH STREET
AUBURN, NEBRASKA 68305

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 21-25, 1981 (81-18): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SECURITY PROGRAMS AND ACTIVITIES APPLICABLE TO THE PHYSICAL PROTECTION OF THE PLANT AND MATERIALS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 4-7, 1982 (82-01): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S SECURITY PROGRAMS AND ACTIVITIES APPLICABLE TO THE PHYSICAL PROTECTION OF THE PLANT AND MATERIALS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 8-12, 1982 (82-04): ROUTINE, UNANNOUNCED INSPECTION INCLUDING PROCEDURES, PROCUREMENT ACTIVITIES RELATING TO MATERIAL REQUISITIONING, RECEIPT, STORAGE, AND IDENTIFICATION; CONTROLS FOR TEST AND MEASURING REQUIREMENT; AND CONTROL AND EVALUATION OF SURVEILLANCE TESTING; CALIBRATION, AND INSPECTION. IN THESE FOUR AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN THREE AREAS, AND ONE VIOLATION WAS IDENTIFIED IN THE FOURTH AREA (VIOLATION - FAILURE TO HAVE DOCUMENTED PROCEDURES).

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.3.7 AND CNS ADMIN PROCEDURE 1.3 REGARDING TEMPORARY CHANGES TO PROCEDURES, SURVEILLANCE TEST PROCEDURE 6.3.5.1 WAS NOT PERFORMED AS WRITTEN AND APPROVED NOR WAS A TEMPORARY CHANGE MADE TO THE PROCEDURE TO INDICATE APPROVED DEVIANCE.

(8125 5)

ENFORCEMENT SUMMARY

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: FEBRUARY 8-12, 1982

INSPECTION REPORT NO: 50-298/82-04

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04 03L-0	01/09/82	03/05/82	OPERATION WITH THE INDICATED CRITICAL POWER RATIO LESS THAN MCPR OPERATING LIMIT
82-05 03L-0	02/21/82	03/19/82	MAIN STEAM ISOLATION VALVE (MSIV-86A) CLOSING TIME FASTER THAN TS LIMITS

1. Docket: 50-302 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	44,280.0
13. Hours Reactor Critical	646.3	1,303.1	26,752.3
14. Rx Reserve Shtdwn Hrs	.0	3.9	1,213.1
15. Hrs Generator On-Line	638.1	1,282.6	26,094.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,444,365	3,049,088	58,416,029
18. Gross Elec Ener (MWH)	492,327	1,047,109	19,846,700
19. Net Elec Ener (MWH)	468,784	998,576	18,827,874
20. Unit Service Factor	85.8	59.4	58.9
21. Unit Avail Factor	85.8	59.4	58.9
22. Unit Cap Factor (MDC Net)	78.2	57.4	52.8
23. Unit Cap Factor (DER Net)	76.4	56.0	51.5
24. Unit Forced Outage Rate	14.2	40.6	28.1
25. Forced Outage Hours	105.9	877.3	10,195.2

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

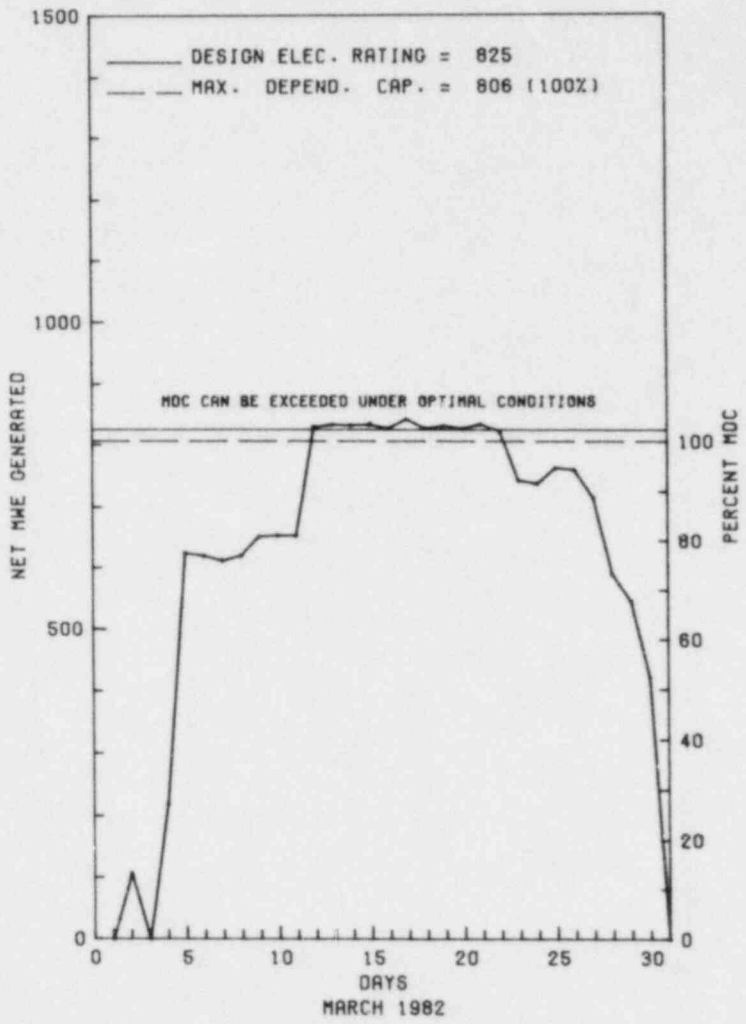
NONE

27. If Currently Shutdown Estimated Startup Date: 04/02/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-3	01/28/82	F	32.8	A	4		SF	VALVEX	CONTINUATION OF OUTAGE FROM LAST REPORT.
82-4	03/02/82	F	43.0	A	3		IA	INSTRU	PLANT TRIPPED BY THE RC PUMP POWER MONITORS. EXACT REASON WHY UNKNOWN.
82-5	03/04/82	F	0.0	D	5		IA	INSTRU	RESTRICTED TO 75% FP UNTIL A TIME DELAY QUESTION CONCERNING THE RC PUMP POWER MONITORS COULD BE RESOLVED.
82-6	03/22/82	F	0.0	A	5		KF	MOTORX	PROBLEM WITH A CIRCULATING WATER PUMP MOTOR CAUSED A REDUCTION IN POWER TO THE 85-95% FP RANGE.
82-7	03/27/82	F	0.0	A	5		CB	MOTORX	RCP-C MOTOR TRIPPED ON A PHASE DIFFERENTIAL; FORCED A POWER REDUCTION TO THE 65-70% FP RANGE.
82-8	03/30/82	F	30.1	A	3		IA	INSTRU	AN UPSET IN THE ELECTRICAL TRANSMISSION SYSTEM CAUSED THE RC PUMP POWER MONITORS TO TRIP THE PLANT.

****
* SUMMARY *
****

CRYSTAL RIVER 3 OPERATED NORMALLY WITH SEVERAL OUTAGES AND REDUCTIONS LISTED IN DETAIL ABOVE.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....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.....S. MINER
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 JANUARY 23 - MARCH 3 (82-02): THIS ROUTINE INSPECTION INVOLVED 247 HOURS ON SITE BY THE TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS (LER'S) AND NON-CONFORMING OPERATIONS REPORTS (NCOR'S), NON-ROUTINE EVENTS, LICENSEE ACTION ON IE CIRCULARS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACK SHIFTS. ONE RECURRENT VIOLATION WAS IDENTIFIED (FAILURE TO COMPLY WITH WORK REQUEST PROCEDURE PRIOR TO COMMENCING PLANT MAINTENANCE).

INSPECTION FEBRUARY 10 (82-04): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED EIGHT INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREA INSPECTED, NO VIOLATION OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO CALIBRATE RCS OUTLET TEMPERATURE RTD'SAS REQUIRED BY T.S. 4.3.1.1.1 AND 1.9.
(8123 4)

CONTRARY TO TECHNICAL SPECIFICATION 6.8.1 PLANT OPERATIONS AND ADMINISTRATIVE PROCEDURES WERE NOT FOLLOWED FOR LOG ENTRIES AND

ENFORCEMENT SUMMARY

SYSTEM OPERATION.
(8123 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 23 - MARCH 3, 1982 +

INSPECTION REPORT NO: 50-302/82-04 +

REPORTS FROM LICENSEE

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L-0	01/06/82	02/02/82	CORE FLOOD TANK B INOPERABLE
82-002/ 03L-0	01/06/82	02/02/82	PUMP CASING USED AS A SEISMIC ANCHOR
82-003/ 01T-0	01/28/82	02/12/82	REACTOR COOLANT SYSTEM LEAKAGE GREATER THAN 1 GALLON PER MINUTE
82-004/ 01T-0	01/29/82	02/12/82	REACTOR COOLANT PUMP A VISUAL INSPECTION OF SEAL PACKAGE SHOWS CRACK IN WELD
82-005/ 03L-0	01/19/82	02/12/82	WIND DIRECTION AND AMBIENT TEMPERATURE INSTRUMENTS OUT OF CALIBRATION
82-006/ 03L-0	01/25/82	02/16/82	STATION BATTERY 3B PILOT CELL 115 FAILED TO MEET ACCEPTANCE CRITERIA

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1. Docket: 50-346 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: BILAL SARSOUR (419) 259-5000 X251
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	32,161.0
13. Hours Reactor Critical	292.0	1,708.0	17,938.0
14. Rx Reserve Shtdwn Hrs	.0	.0	3,334.7
15. Hrs Generator On-Line	291.4	1,707.4	16,957.6
16. Unit Reserve Shtdwn Hrs	.0	.0	1,731.6
17. Gross Therm Ener (MWH)	550,187	3,641,078	38,762,603
18. Gross Elec Ener (MWH)	178,313	1,202,294	12,884,545
19. Net Elec Ener (MWH)	162,489	1,124,093	12,021,378
20. Unit Service Factor	39.2	79.0	52.7
21. Unit Avail Factor	39.2	79.0	58.1
22. Unit Cap Factor (MDC Net)	25.0	59.5	42.8
23. Unit Cap Factor (DER Net)	24.1	57.4	41.3
24. Unit Forced Outage Rate	.0	.0	23.0
25. Forced Outage Hours	.0	.0	5,625.4

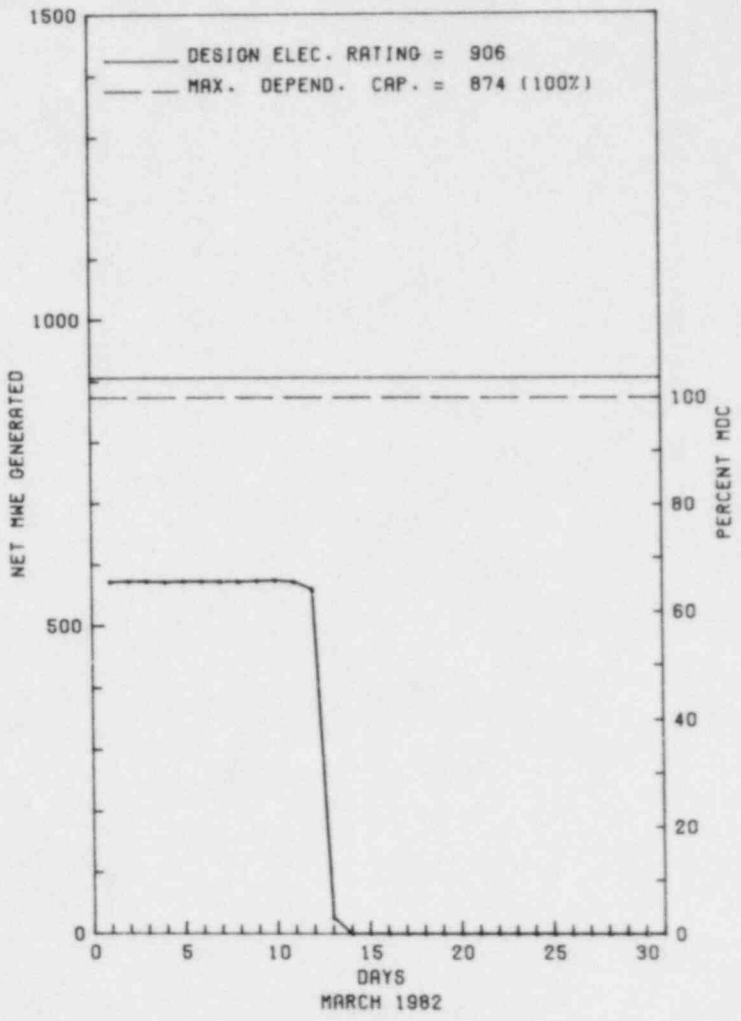
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 05/27/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/13/82	S	452.6	C	1				A UNIT OUTAGE WAS INITIATED TO PERFORM SCHEDULED MAINTENANCE AND REFUELING WORK.

****
* SUMMARY *
****

DAVIS-BESSE 1 OPERATED ROUTINELY UNTIL MARCH 13TH, WHEN THE UNIT SHUTDOWN FOR SCHEDULED MAINTENANCE AND REFUELING.

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

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

FACILITY DATA

Report Period MAR 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.....L. REYES

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

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

PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
MR. AL HOGAN, DOCUMENT DEPT.
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

INSPECTION STATUS

INSPECTION SUMMARY

EMERGENCY PREPAREDNESS APPRAISAL ON FEBRUARY 8-19, (82-01): SPECIAL ANNOUNCED APPRAISAL OF THE STATE OF ONSITE EMERGENCY PREPAREDNESS INVOLVED SEVEN GENERAL AREAS; ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM, EMERGENCY ORGANIZATION, TRAINING, EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN, COORDINATION WITH OFFSITE AGENCIES, AND EXERCISES, DRILLS AND WALK-THROUGHS. THE INSPECTION INVOLVED 575 INSPECTOR HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL SIGNIFICANT FINDINGS WERE IDENTIFIED IN THE AREA OF PROCEDURES.

INSPECTION ON JANUARY 18-22, (82-04): ROUTINE, UNANNOUNCED INSPECTION OF LICENSED OPERATOR REQUALIFICATION TRAINING; NON-LICENSED TRAINING AND QA PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 28 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. OF THE THREE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN TWO AREAS AND ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE OF LICENSED OPERATORS TO COMPLETE REQUIRED READING).

MEETING ON JANUARY 21, (82-05): A SPECIAL, ANNOUNCED MEETING WAS HELD WITH CORPORATE AND SITE MANAGEMENT TO DISCUSS LICENSEE CORRECTIVE ACTIONS RELATING TO REGION III CONCERNS IN THE AREAS OF DRAWING CONTROL, NONCONFORMANCE REPORTS, PERSONNEL ERRORS, AND NON-TECHNICAL SPECIFICATION ITEMS HAVING SAFETY SIGNIFICANCE. THE MEETING LASTED APPROXIMATELY TWO HOURS AND SIX REGION III PERSONNEL ATTENDED.

INSPECTION ON JANUARY 27 AND 29, AND FEBRUARY 11-12 (82-06): SPECIAL ANNOUNCED INSPECTION AND TESTING OF THE PROMPT PUBLIC

INSPECTION SUMMARY

NOTIFICATION/WARNING SYSTEM. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE AND IN-OFFICE BY THREE NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 21-22, (82-07): ROUTINE, ANNOUNCED INSPECTION OF PREVIOUSLY IDENTIFIED INSPECTION ITEMS AND LICENSEE EVENT REPORT. THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS DURING OFFSHIFTS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO PERFORM A SAFETY EVALUATION IN ACCORDANCE WITH 10 CFR 50.59).

INSPECTION ON MARCH 1-4, (82-10): ROUTINE ANNOUNCED INSPECTION OF CONFIRMATORY MEASUREMENTS INCLUDING COLLECTION OF SAMPLES, ANALYSIS ONSITE WITH THE REGION III MEASUREMENTS VAN AND DISCUSSION OF RESULTS, QUALITY ASSURANCE AND QUALITY CONTROL OF ANALYTICAL MEASUREMENTS. THE INSPECTION INVOLVED 46 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NEW SECURITY GUARDHOUSE AND ENTRANCE POINTS WERE PUT INTO USE ON 2/21/82.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT SHUT DOWN FOR REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: MARCH 1-4, 1982

INSPECTION REPORT NO: 82-10

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-05/ 03L-0	01/26/82	02/24/82	A CONTROL ROOM OPERATOR NOTICED THAT RE 2007 CON. AREA RAD. MONITOR TO SFAS CHANNEL 4 HAD FAILED LOW.
82-06/ 03L-0	01/26/82	02/25/82	A PROBLEM WHICH OCCURRED ON 1/13/82 WITH THE 4160 VAC CIRCUIT BREAKER AC113 WAS DETERMINED REPORTABLE.
82-07/ 03L-0	02/01/82	03/03/82	THE SFP WATER LEVEL ABOVE THE TOP OF THE FUEL ASSEMBLIES HAD DROPPED BELOW 23 FEET.
82-08/ 03L-0	02/08/82	03/09/82	A CONTROL ROOM OPERATOR OBSERVED THAT PDI-5000 HAD FAILED HIGH.
82-09/ 03L-0	02/09/82	03/10/82	ON 2/[illegible]/82 AND AGAIN ON 2/17/82 DOOR 107 WAS FOUND BLOCKED OPEN.
82-10/ 03L-0	02/19/82	03/18/82	DURING [illegible]ON OF THE MONTHLY LOCKED VALVE VERIFICATION PERIODIC TEST, PT5186.01, DH10 WAS FOUND [illegible] AND OUT OF POSITION.
82-11/ 03L-0	02/25/82	03/25/82	DURING [illegible]E OF ST5013.04 CONTROL ROD EXERCISING TEST, CONTROL ROD 5-2 DROPPED TO 0 PERCENT WITHDRAWN.
82-12/ 01T-0	03/14/82	03/26/82	DURING THE FINAL STAGES OF RCS COOLDOWN FOR THE REFUELING OUTAGE, THE WATER INJECT MAKEUP FOR THE RCS INVENTORY SHRINKAGE WAS OF A LOWER THAN EXPECTED BORON CONCENTRATION.

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1. Docket: 50-237 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	104,160.0
13. Hours Reactor Critical	744.0	2,150.4	80,785.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,146.4	76,870.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,831,822	5,168,205	153,726,366
18. Gross Elec Ener (MWH)	598,230	1,691,241	49,174,531
19. Net Elec Ener (MWH)	570,760	1,614,434	46,491,324
20. Unit Service Factor	100.0	99.4	73.8
21. Unit Avail Factor	100.0	99.4	73.8
22. Unit Cap Factor (MDC Net)	99.4	96.8	57.8
23. Unit Cap Factor (DER Net)	96.6	94.1	56.2
24. Unit Forced Outage Rate	.0	.6	11.8
25. Forced Outage Hours	.0	13.6	2,802.3

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

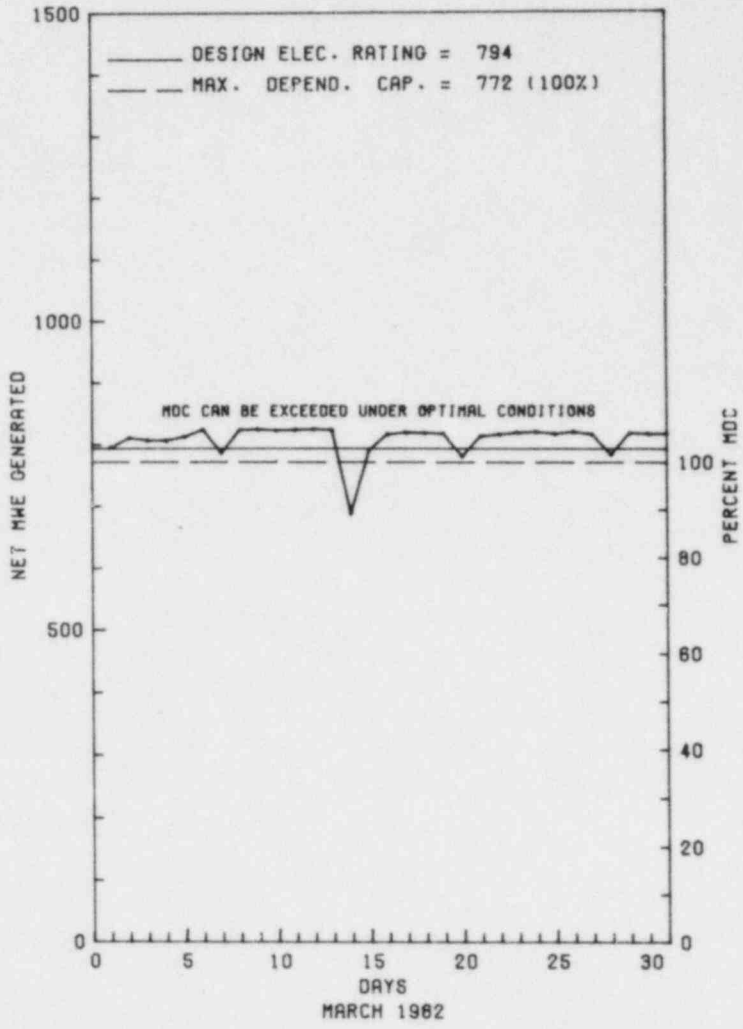
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

DRESDEN 2 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

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

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.....P. O CONNOR
DOCKET NUMBER.....50-237

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

PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60451

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM DECEMBER 31, 1981 THROUGH JANUARY 29, 1982 (81-38): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, UNUSUAL EVENTS, PLANT TRAINING, PLANT TRIPS, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, REFUELING MAINTENANCE, INSPECTION DURING LONG TERM SHUTDOWN, REGIONAL REQUESTS, LICENSEE IDENTIFIED ITEMS, AND BULLETIN REVIEW. THE INSPECTION INVOLVED 202 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS, INCLUDING 42 INSPECTOR-HOURS DURING OFFSHIFT. OF THE 14 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 13 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE HOUSEKEEPING).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION II, REQUIRES ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED UNDER SUITABLY CONTROLLED CONDITIONS, INCLUDING ADEQUATE CLEANLINESS. THE LICENSEE'S QUALITY ASSURANCE PROGRAM, SECTION 2.2 REQUIRES THAT THE LICENSEE ADHERE TO ALL MANDATORY REQUIREMENTS OF ANSI N18.7. ANSI N18.7-1976, SECTION 5.2.10, REQUIRES QUALITY HOUSEKEEPING PRACTICES ENCOMPASSING ALL ACTIVITIES RELATED TO CONTROL OF FIRE PREVENTION AND PROTECTION, INCLUDING DISPOSAL OF COMBUSTIBLE MATERIAL AND DEBRIS. IN ADDITION, ADMINISTRATIVE PROCEDURE DAP 3-11 DEFINES RESPONSIBILITIES FOR PLANT CLEANLINESS AND ITEMS TO BE EXAMINED ON PLANT TOURS. CONTRARY TO THE ABOVE, DURING ROUTINE PLANT TOURS ON JANUARY 26 AND 27, 1982, THE INSPECTORS IDENTIFIED SEVERAL SAFETY RELATED EQUIPMENT AREAS WITH SIGNIFICANT QUANTITIES OF COMBUSTIBLE MATERIALS PRESENT. EXAMPLES INCLUDE: (1) THE UNIT 2 EMERGENCY DIESEL GENERATOR ROOM WHERE THERE WERE PAPER WIPES, RAGS, AND WOOD SOAKED WITH OIL ON THE FLOOR OR ON THE ENGINE FOUNDATION, PLUS

ENFORCEMENT SUMMARY

A GI CAN WITHOUT A LID CONTAINING USED OIL FILTERS, OILY RAGS, PAPER, ETC, AND (2) THE UNIT 2/3 EMERGENCY DIESEL GENERATOR ROOM, WHERE THERE WERE ABOUT 12 OPEN OIL DRUMS WITH AS MUCH AS SEVERAL GALLONS OF OIL REMAINING IN EACH DRUM, AN OPEN REFUSE BARREL OVERFLOWING WITH OILY RAGS AND WIPES, ETC., PLUS CONSIDERABLE RAGS, WIPES, AND OIL ON THE FLOOR AND WORK BENCH. IN ADDITION, THERE WAS EVIDENCE OF INDIVIDUALS SMOKING IN THE UNIT 2/3 DIESEL GENERATOR ROOM IN THE FORM OF NUMEROUS CIGARETTE BURNED MATCHES, AND AN EMPTY MATCH BOOK ON THE FLOOR.
(8138 4)

10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." CONTRARY TO THE ABOVE, THE EDS IE BULLETIN 79-14 EVALUATION PROCEDURE DID NOT SPECIFY THAT (1) AN OPERABILITY ANALYSIS BE PERFORMED FOR THE PIPING SUSPENSION SYSTEM PRIOR TO DECLARING THE SYSTEM TO BE OPERABLE, AND (2) SAFETY RELIEF VALVE THRUST LOADS BE INCLUDED IN THE PIPING STRESS CALCULATIONS. 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." THE BECHTEL POWER CORPORATION IE BULLETIN 79-14 WALKDOWN INSPECTION PROCEDURE ESTABLISHED FOR DRESDEN AND QUAD CITIES REQUIRES THAT PIPE WHIP RESTRAINT CLEARANCE SHOULD BE MEASURED IN THE SAME MANNER AS FOR SLEEVES AND PENETRATIONS, GIVING SUFFICIENT DIMENSIONS TO LOCATE THE PIPE POSITION IN THE SLEEVE. CONTRARY TO THE ABOVE, THE PIPE WHIP RESTRAINT GAPS WERE NOT MEASURED DURING THE IE BULLETIN 79-14 SYSTEM WALKDOWN INSPECTION.
(8201 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT 100 PERCENT POWER.

LAST IE SITE INSPECTION DATE: DECEMBER 31, 1981 THROUGH JANUARY 29, 1982

OTHER ITEMS

INSPECTION REPORT NO: 81-38

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-06/ 03L-0	02/10/82	03/08/82	ATWS DIVISION II HIGH PRESSURE TRANSMITTER WAS FOUND READING OFFSCALE.
82-07/ 03L-0	02/13/82	03/09/82	THE REACTOR WATER LEVEL SWITCH LIS-2-263-58B SETPOINT WAS ABOVE T.S.

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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: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	93,745.0
13. Hours Reactor Critical	.0	41.5	70,691.2
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	37.5	67,931.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	47,824	133,639,814
18. Gross Elec Ener (MWH)	0	14,589	43,477,695
19. Net Elec Ener (MWH)	-2,698	3,102	41,197,863
20. Unit Service Factor	.0	1.7	72.5
21. Unit Avail Factor	.0	1.7	72.5
22. Unit Cap Factor (MDC Net)	.0	.2	56.9
23. Unit Cap Factor (DER Net)	.0	.2	55.3
24. Unit Forced Outage Rate	.0	.0	14.1
25. Forced Outage Hours	.0	.0	6,001.8

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

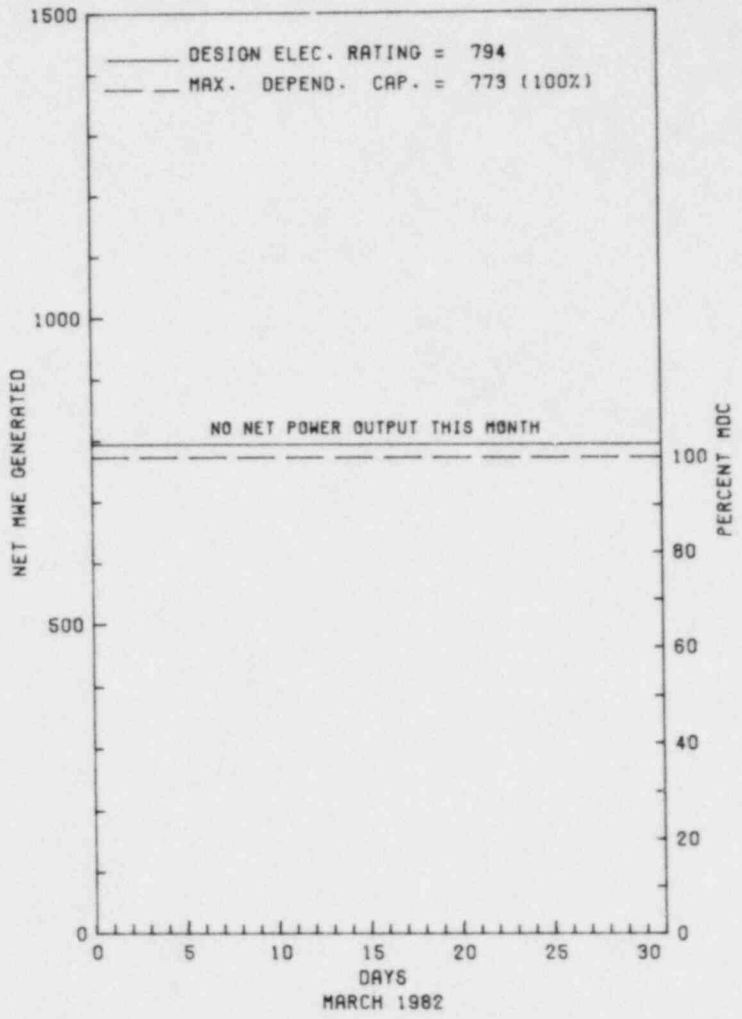
NONE

27. If Currently Shutdown Estimated Startup Date: 05/04/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

DRESDEN 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	01/02/82	S	744.0	C	4				REFUELING AND TURBINE OVERHAUL OUTAGE CONTINUES.

SUMMARY

DRESDEN 3 REMAINED SHUTDOWN IN A CONTINUING REFUELING AND MAINTENANCE OUTAGE.

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

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

FACILITY DATA

Report Period MAR 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.....J. HEGNER
DOCKET NUMBER.....50-249

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

PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60451

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION FROM DECEMBER 31, 1981 THROUGH JANUARY 29, 1982 (81-31): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, UNUSUAL EVENTS, PLANT TRAINING, PLANT TRIPS, REFUELING ACTIVITIES, REFUELING SURVEILLANCE, REFUELING MAINTENANCE, INSPECTION DURING LONG TERM SHUTDOWN, REGIONAL REQUESTS, LICENSEE IDENTIFIED ITEMS, AND BULLETIN REVIEW. THE INSPECTION INVOLVED 202 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS, INCLUDING 42 INSPECTOR-HOURS DURING OFFSHIFT. OF THE 14 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 13 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (INADEQUATE HOUSEKEEPING).

ENFORCEMENT SUMMARY

10 CFR 20.201(B) REQUIRES THAT EACH LICENSEE MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS IN THIS PART, AND ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. CONTRARY TO THE ABOVE, SURVEYS AND EVALUATIONS TO ASSURE COMPLIANCE WITH 10 CFR 20.101 WERE NOT PERFORMED FOR WORK DONE BY TWO INDIVIDUALS ON DECEMBER 4, 1981, NEAR HANGER 146, A HIGH RADIATION AREA IN THE UNIT 3 TORUS CATWALK AREA. THE WORKERS RECEIVED SIGNIFICANT UNPLANNED RADIATION DOSES AS A RESULT. ADDITIONALLY, ALTHOUGH THE TWO WORKERS' PENCIL DOSIMETERS WERE DISCHARGED UPON COMPLETION OF WORK ON DECEMBER 4, 1981, AN ADEQUATE EVALUATION OF THE WORKERS' DOSES FOR COMPLIANCE WITH PERSONAL DOSE LIMITS OF 10 CFR 20.101 WAS NOT CONDUCTED. THE WORKERS WERE ALLOWED TO RESUME WORK IN RADIATION AREAS ON DECEMBER 5, 1981.

ENFORCEMENT SUMMARY

10 CFR 20.203(C)(2) REQUIRES THAT HIGH RADIATION AREAS BE EQUIPPED WITH CONTROL DEVICES WHICH REDUCE RADIATION LEVELS OR PROVIDE AN ALARM SIGNAL UPON ENTRY, OR BE MAINTAINED LOCKED WITH POSITIVE CONTROL OVER EACH INDIVIDUAL ENTRY. CONTRARY TO THE ABOVE, ON DECEMBER 4 AND 5, 1981, TWO WORKERS UNKNOWINGLY WORKED IN A HIGH RADIATION AREA NEAR HANGER 146 IN THE UNIT 3 TORUS CATWALK AREA. THERE WERE NO CONTROL DEVICES TO REDUCE RADIATION LEVELS OR PROVIDE AN ALARM SIGNAL UPON ENTRY, NOR DID THE LICENSEE PROVIDE OTHER MEASURES TO ENSURE POSITIVE CONTROL OVER ENTRY.
(8130 4)

10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." CONTRARY TO THE ABOVE, THE EDS IE BULLETIN 79-14 EVALUATION PROCEDURE DID NOT SPECIFY THAT (1) AN OPERABILITY ANALYSIS BE PERFORMED FOR THE PIPING SUSPENSION SYSTEM PRIOR TO DECLARING THE SYSTEM TO BE OPERABLE, AND (2) SAFETY RELIEF VALVE THRUST LOADS BE INCLUDED IN THE PIPING STRESS CALCULATIONS. 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." THE BECHTEL POWER CORPORATION IE BULLETIN 79-14 WALKDOWN INSPECTION PROCEDURE ESTABLISHED FOR DRESDEN AND QUAD CITIES REQUIRES THAT PIPE WHIP RESTRAINT CLEARANCE SHOULD BE MEASURED IN THE SAME MANNER AS FOR SLEEVES AND PENETRATIONS, GIVING SUFFICIENT DIMENSIONS TO LOCATE THE PIPE POSITION IN THE SLEEVE. CONTRARY TO THE ABOVE, THE PIPE WHIP RESTRAINT GAPS WERE NOT MEASURED DURING THE IE BULLETIN 79-14 SYSTEM WALKDOWN INSPECTION.
(8201 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

DOWN FOR REFUELING. ANTICIPATED STARTUP IN MAY, 1982.

LAST IE SITE INSPECTION DATE: DECEMBER 31, 1981 THROUGH JANUARY 29, 1982

OTHER ITEMS

INSPECTION REPORT NO: 81-31

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-11/ 03L-0	02/03/82	03/02/82	A LEAKAGE IN EXCESS OF T.S. WAS OBSERVED ON THE HPCI TURBINE EXHAUST CHECK VALVE 3-2301-45.
82-12/ 03L-0	02/04/82	03/03/82	A LEAK IN EXCESS OF T.S. WAS FOUND IN DRYWELL AND TORUS PURGE SYSTEM VALVE 3-1601-21.
82-13/ 03L-0	02/04/82	03/02/82	THE NITROGEN INERTING MAKEUP SYSTEM LEAKED IN EXCESS OF T.S. LIMIT.

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1. Docket: 50-331 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: SIDNEY BROWN (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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	62,784.0
13. Hours Reactor Critical	744.0	2,160.0	45,638.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,160.0	44,549.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,101,127	3,104,026	56,157,424
18. Gross Elec Ener (MWH)	370,508	1,049,983	18,825,023
19. Net Elec Ener (MWH)	349,234	990,417	17,622,002
20. Unit Service Factor	100.0	100.0	71.0
21. Unit Avail Factor	100.0	100.0	71.0
22. Unit Cap Factor (MDC Net)	91.1	89.0	54.5
23. Unit Cap Factor (DER Net)	87.2	85.2	52.2
24. Unit Forced Outage Rate	.0	.0	16.4
25. Forced Outage Hours	.0	.0	8,719.8

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

MAINTENANCE; APRIL 1, 1982; TWO WEEKS.

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

****
* DUANE ARNOLD *
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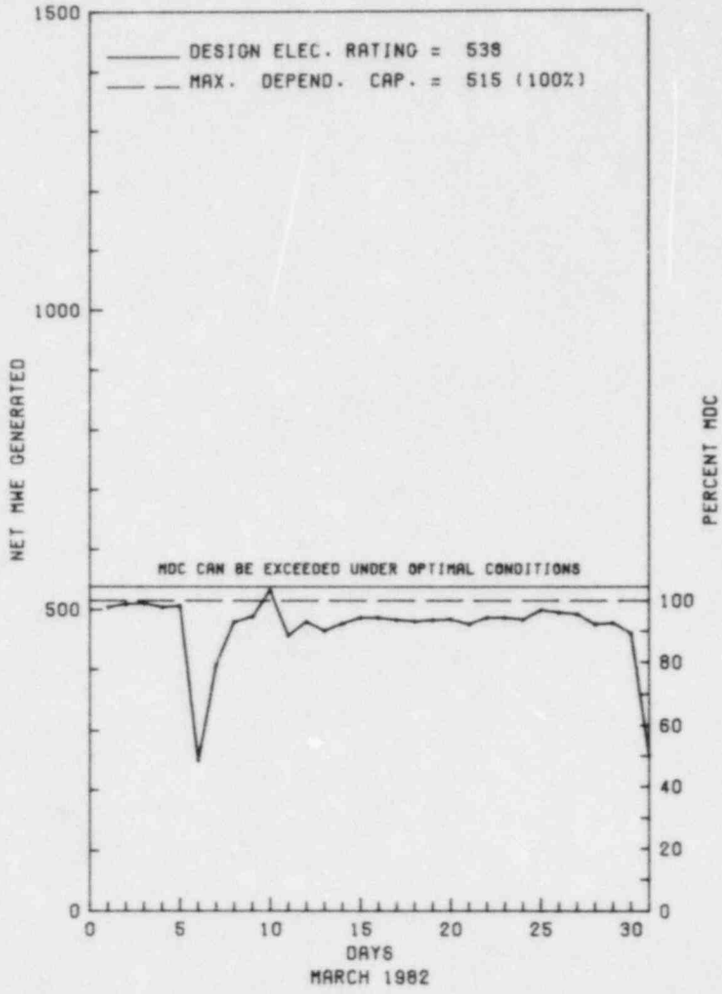
AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* DUANE ARNOLD *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	03/06/82	F	0.0	B	5				POWER WAS REDUCED TO ISOLATE "A" REACTOR FEED PUMP FOR MAINTENANCE.
5	03/31/82	S	0.0	B	5				SHUTDOWN OF THE REACTOR WAS INITIATED FOR THE APRIL MAINTENANCE OUTAGE.

****
* SUMMARY *
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DUANE ARNOLD OPERATED WITH 2 REDUCTIONS AND NO OUTAGES DURING MARCH.

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

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

FACILITY DATA

Report Period MAR 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.....W. CHRISTIANSON

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

INSPECTION ON SEPTEMBER 21 THROUGH OCTOBER 2, AND OCTOBER 19-23, (81-24): SPECIAL ANNOUNCED INSPECTION WAS PERFORMED OF THE LICENSEE'S MANAGEMENT CONTROLS OVER SELECTED LICENSED ACTIVITIES. THE INSPECTION BY FIVE NRC INSPECTION SPECIALISTS INVOLVED 442 INSPECTOR HOURS ONSITE AND AT THE CORPORATE OFFICE. THE LICENSEE'S MANAGEMENT CONTROLS IN EIGHT AREAS WERE REVIEWED, AND CONCLUSIONS WERE DRAWN IN EACH AREA BASED ON OBSERVATIONS PRESENTED IN THIS REPORT. THE CONCLUSIONS ARE PRESENTED AS ABOVE AVERAGE, AVERAGE, OR BELOW AVERAGE AS FOLLOWS: COMMITTEE ACTIVITIES, CORRECTIVE ACTION SYSTEMS, AND NON-LICENSED TRAINING - BELOW AVERAGE; QUALITY ASSURANCE AUDITS, DESIGN CHANGES AND MODIFICATIONS, MAINTENANCE, PLANT OPERATIONS, AND LICENSED TRAINING - AVERAGE. ADDITIONALLY, A NUMBER OF OBSERVATIONS WEPE PRESENTED TO THE NRC RESIDENT INSPECTOR AS POTENTIAL ENFORCEMENT FINDINGS FOR FOLLOWUP AS APPROPRIATE. THESE OBSERVATIONS WERE ALSO DISCUSSED WITH THE LICENSEE DURING THE MEETING HELD ON OCTOBER 22, 1981.

INSPECTION ON DECEMBER 1-31, (81-27): ROUTINE RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION; MONTHLY MAINTENANCE OBSERVATION; MONTHLY SURVEILLANCE OBSERVATION; PLANT TRIP; LICENSEE EVENT REPORT FOLLOWUP; PROCEDURES; AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. THE INSPECTION INVOLVED A TOTAL OF 112 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING 15 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS, FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FOUR AREAS. (FAILURE TO FOLLOW PROCEDURES; FAILURE TO PROPERTY STORE SAFETY RELATED ITEMS; ONE FAILURE TO FOLLOW PROCEDURES; ORGANIZATION DIFFERENT THAN TECHNICAL SPECIFICATIONS.)

INSPECTION ON JANUARY 28-31, (82-01): SPECIAL ANNOUNCED INSPECTION OF PROMPT NOTIFICATION/WARNING SYSTEM AND TESTING OF THE

INSPECTION SUMMARY

SYSTEM. THE INSPECTION INVOLVED 17 INSPECTOR HOURS ONSITE BY ONE NRC INSPECTOR AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. OF THE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT IS SHUT DOWN FOR MAINTENANCE.

LAST IE SITE INSPECTION DATE: JANUARY 28-31, 1982

INSPECTION REPORT NO: 82-01

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-10/ 03L-0	02/06/82	03/05/82	THE 'B' ANALYZER FOR THE CONTAINMENT ATMOS. DILUTION SYS. WAS FOUND TO BE READING UPSCALE & WAS DECLARED INOPERABLE.
82-11/ 03L-0	02/08/82	03/05/82	SELF-CLEANING STRAINER IS-85B ON THE SUCTION LINE TO THE 'B' SCREEN WASH PUMP FOR THE RWS SYS. BECAME PLUGGED.
82-12/ 03L-0	02/08/82	03/05/82	MSIV LEAKAGE CONTROL SYSTEM BYPASS VALVE MOV-8403C, OPENED AS REQUIRED BUT FAILED TO CLOSE.
82-13/ 01T-0	02/20/82	03/11/82	SNUBBER GBB-3-SS-235 ON THE 'B' RHR SYS. WAS REMOVED FROM SERVICE FOR TESTING; 'B' RHR SYS. DECLARED INOP. DURING THIS TIME.
82-14/ 03L-0	02/19/82	03/19/82	'A' RHR LOOP WAS DECLARED INOP. DUE TO FAILED SNUBBER GBB-4-211 AND HANGER GBB-4-H10.
82-15/ 01T-0	02/25/82	03/11/82	RHR SW VALVE MOV-1947 FAILED TO CLOSE.
82-16/ 03L-0	02/15/82	03/17/82	CONTROL BUILDING VENT SYS. EXHAUST ISOLATION DAMPER FV-AD-31A FAILED TO CLOSE COMPLETELY.
82-17/ 01T-0	03/07/82	03/19/82	'A' SFU DECLARED INOP. WHEN HAL. HYDROCARBON TEST INDICATED CHARCOAL ABSORB BANK REMOVAL.
82-18/ 03L-0	02/21/82	03/23/82	SUPP. POOL LEVEL TRANSMITTER LT-4363B WAS FOUND TO BE RESPONDING ERRATICALLY TRENDING DOWNSCALE.
82-19/ 03L-0	02/25/82	03/26/82	TEMPERATURE INDICATING SWITCH TIS-4444 FAILED TO TRIP.
82-20/ 01T-0	03/15/82	03/29/82	STANDBY DIESEL GENERATOR 1G-21 TRIPPED IN START SEQUENCE.

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1. Docket: 50-348 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	37,968.0
13. Hours Reactor Critical	669.3	669.3	21,651.1
14. Rx Reserve Shtdwn Hrs	26.4	26.4	3,518.4
15. Hrs Generator On-Line	567.5	567.5	20,897.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,254,038	1,254,038	52,198,947
18. Gross Elec Ener (MWH)	394,708	394,708	16,530,660
19. Net Elec Ener (MWH)	366,166	349,344	15,573,068
20. Unit Service Factor	76.3	26.3	55.0
21. Unit Avail Factor	76.3	26.3	55.0
22. Unit Cap Factor (MDC Net)	61.2	20.1	51.0*
23. Unit Cap Factor (DER Net)	59.4	19.5	49.5
24. Unit Forced Outage Rate	20.9	73.4	21.9
25. Forced Outage Hours	150.1	1,566.1	5,848.1

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

NONE

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

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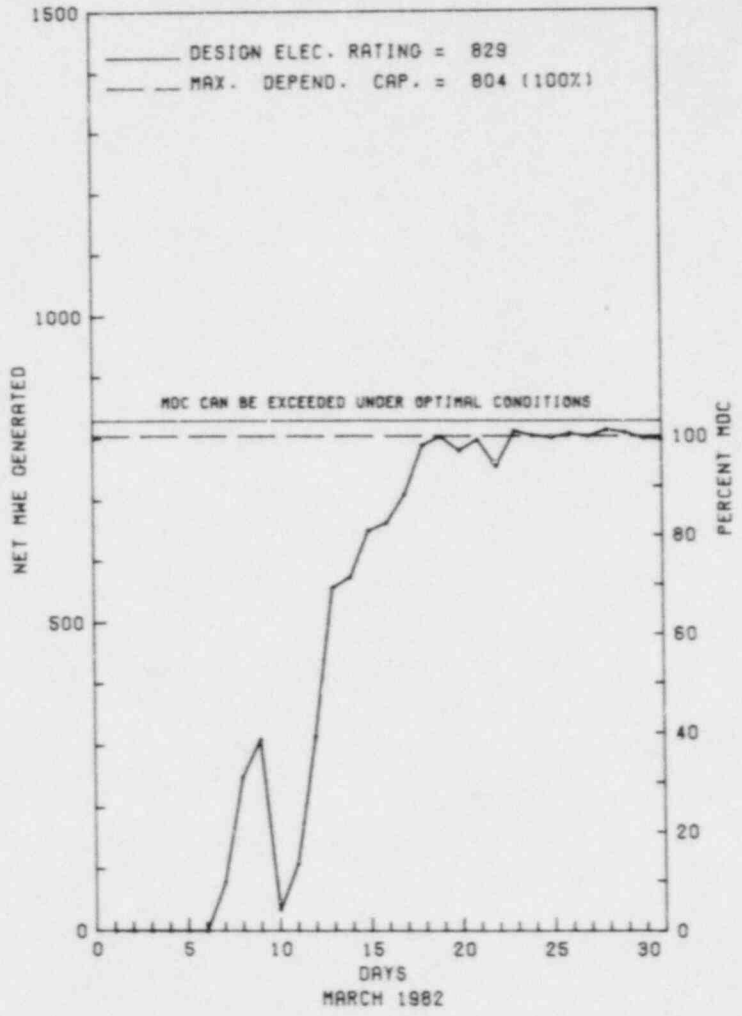
* FARLEY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 1



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

FARLEY 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
001	09/10/81	F	150.1	A	4		EB	GENERA	CONTINUED OUTAGE TO REPAIR DAMAGE TO THE MAIN GENERATOR WHICH OCCURRED SEPTEMBER 10, 1981. REFUELING RESCHEDULED TO TAKE ADVANTAGE OF FORCED OUTAGE SITUATION.
002	03/10/82	S	26.4	B	1		EB	GENERA	MAINTENANCE OUTAGE.

SUMMARY

FARLEY 1 RETURNED ONLINE MARCH 7TH FROM AN ONGOING REPAIR OUTAGE AND OPERATED WITH 1 MAINTENANCE OUTAGE THE REMAINDER OF THE REPORT PERIOD.

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

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* FARLEY 1 *
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FACILITY DATA

Report Period MAR 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...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. BUNDSHAW STREET
DOTHAN, ALABAMA 36301

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 16, 1981 - JANUARY 15, 1982 AND MANAGEMENT MEETING ON JANUARY 26 (82-03): THIS INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE BY THE RESIDENT INSPECTORS IN MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATIONS, OPERATIONAL SAFETY VERIFICATION, UNIT 1 OUTAGE, INDEPENDENT INSPECTION EFFORT, AND FOLLOWUP OF PLANT INCIDENTS AND TWENTY HOURS DURING THE MANAGEMENT MEETING ON JANUARY 26, 1982. OF THE 6 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND IN 5 AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO ESTABLISH PROCEDURE).

INSPECTION FEBRUARY 8-12 (82-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; REVIEW OF QUALITY CONTROL AUDITS AND EFFLUENT ACCOUNTABILITY; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT PROCEDURE FNP-1-RCP-706, IN THAT SILVER ZEOLITE CARTRIDGES WERE USED AS THE COLLECTION MEDIUM FOR RADIOIODINE DURING THE PERIOD OF JANUARY 18, 1982 TO FEBRUARY 10, 1982.

INSPECTION FEBRUARY 9-12 (82-05): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION MANAGEMENT; TESTING AND MAINTENANCE, LOCKS AND KEYS; PHYSICAL BARRIERS PROTECTED AREA; PHYSICAL BARRIERS VITAL AREA; DETECTION AIDS PROTECTED AREA; DETECTION AIDS VITAL AREA; AND ALARM STATIONS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 5 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 9 AREAS EXAMINED DURING THE INSPECTION.

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* FARLEY 1 *
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INSPECTION SUMMARY

INSPECTION JANUARY 16 - FEBRUARY 15 (82-06): THIS ROUTINE INSPECTION INVOLVED 65 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, REVIEW OF ROUTINE EVENTS AND TMI ACTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 23-24 (82-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS AT BECHTEL POWER CORPORATION IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14); AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IEB 79-02). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 16 - MARCH 15 (82-09): THIS ROUTINE, INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, AND SIGNIFICANT EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.8.1.1.6 REQUIRES THAT TWO DIESEL GENERATOR SETS BE OPERABLE WHEN THE UNIT IS IN MODE 1. CONTRARY TO THE ABOVE, ONE DIESEL GENERATOR WAS INOPERABLE WHEN UNIT NO. 2 WAS IN MODE 1. ON DECEMBER 10 AT 2200, DIESEL GENERATOR 2C FAILED TO START DURING A UNIT NO. 1 REFUELING SURVEILLANCE TEST. BOTH OF THE AIR RECEIVERS WERE FOUND ISOLATED FROM THE AIR START MOTORS. INVESTIGATION INDICATED THAT THE AIR RECEIVERS WERE ISOLATED DUE TO A VALVING ERROR ABOUT 48 HOURS PRIOR TO DISCOVERY. THIS IS A UNIT 2 VIOLATION OF SEVERITY LEVEL IV.
(8129 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: FEBRUARY 16 - MARCH 15, 1982 +

INSPECTION REPORT NO: 50-348/82-09 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-075/ 03L-0	12/22/81	01/21/82	FUEL STORAGE POOL AREA RADIATION MONITOR R-5 INOPERABLE
82-002/ 03L-0	01/29/82	02/26/82	RADIATION MONITOR R24A DECLARED INOPERABLE
82-004/ 03L-0	01/28/82	03/10/82	SEVEN UNSEALED PENETRATIONS WERE DETERMINED TO BE INOPERABLE FIRE BARRIERS

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1. Docket: 50-364 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	5,881.0
13. Hours Reactor Critical	705.6	1,461.9	5,142.1
14. Rx Reserve Shtdwn Hrs	38.4	62.9	103.7
15. Hrs Generator On-Line	696.9	1,383.7	5,050.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,541,170	3,259,175	12,725,333
18. Gross Elec Ener (MWH)	488,732	1,043,436	4,114,814
19. Net Elec Ener (MWH)	459,902	975,618	3,896,338
20. Unit Service Factor	93.7	64.1	85.9
21. Unit Avail Factor	93.7	64.1	85.9
22. Unit Cap Factor (MDC Net)	75.9	55.5	81.4
23. Unit Cap Factor (DER Net)	74.6	54.5	79.9
24. Unit Forced Outage Rate	6.3	35.9	14.1
25. Forced Outage Hours	47.1	776.3	830.8

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

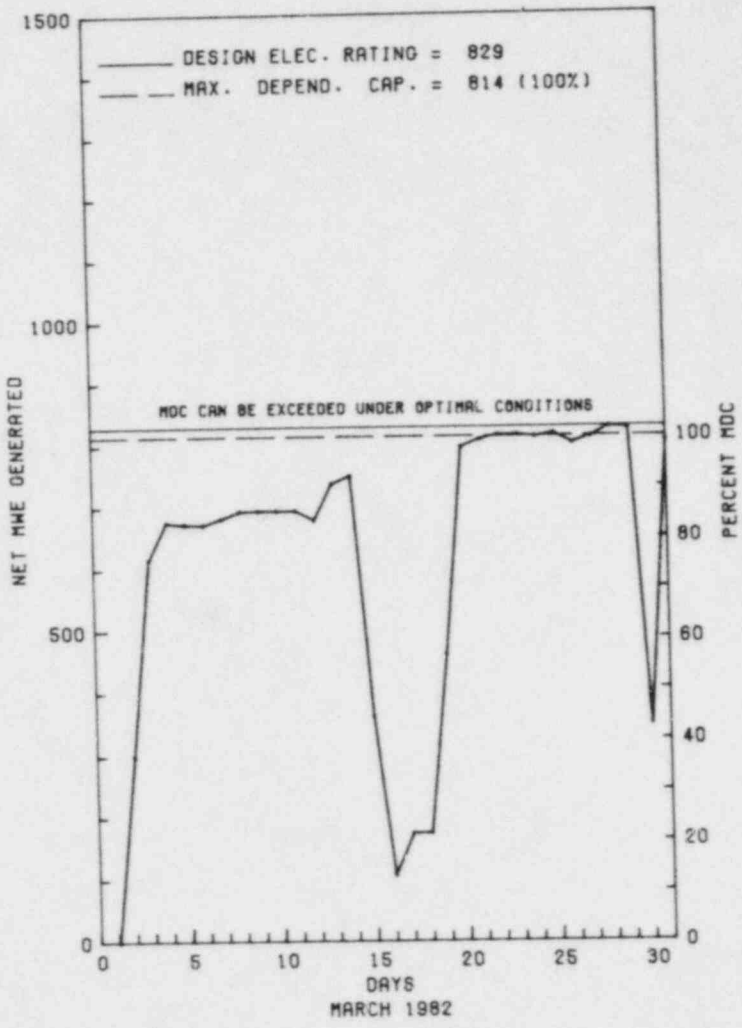
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
004	02/28/82	F	21.9	A	3		CH	PUMPXX	CONTINUED OUTAGE DUE TO REACTOR TRIPS CAUSED BY THE CYCLING OF THE 2A MFP MINIFLOW AND A FAILURE IN THE DEH SYSTEM.
005	03/15/82	F	19.7	A	3		HB	INSTRU	REACTOR TRIP - TURBINE TRIP - CAUSED BY AN INTERMITTENT GROUND IN THE MSIV CONTROLS.
006	03/30/82	F	5.5	A	3		CH	PUMPXX	UNIT TRIPPED DUE TO A "B" STEAM GENERATOR FEEDPUMP TRIP.

****
* SUMMARY *
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FARLEY 2 OPERATED WITH 3 OUTAGES DURING MARCH DUE TO EQUIPMENT FAILURE.

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

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

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

Report Period MAR 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 COMMERCIA 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. BUNDSHAW STREET
DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION DECEMBER 16, 1981 - JANUARY 15, 1982 AND MANAGEMENT MEETING ON JANUARY 26 (82-02): THIS INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE BY THE RESIDENT INSPECTORS IN MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATIONS, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, AND FOLLOWUP OF PLANT INCIDENTS AND TWENTY HOURS DURING THE MANAGEMENT MEETING ON JANUARY 26, 1982. OF THE 6 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE FOUND.

INSPECTION FEBRUARY 8-12 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; REVIEW OF QUALITY CONTROL AUDITS AND EFFLUENT ACCOUNTABILITY; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND THE NRC REGION II MOBILE LABORATORY. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO IMPLEMENT PROCEDURE FNP-1-RCP-706, IN THAT SILVER ZEOLITE CARTRIDGES WERE USED AS THE COLLECTION MEDIUM FOR RADIOIODINE DURING THE PERIOD OF JANUARY 18, 1982 TO FEBRUARY 10, 1982.

INSPECTION FEBRUARY 9-12 (82-04): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION MANAGEMENT; TESTING AND MAINTENANCE, LOCKS AND KEYS; PHYSICAL BARRIERS PROTECTED AREA; PHYSICAL BARRIERS VITAL AREA; DETECTION AIDS PROTECTED AREA; DETECTION AIDS VITAL AREA; AND ALARM STATIONS. THE INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING AN OFFSHIFT PERIOD; 6 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 9 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION SUMMARY

INSPECTION JAHUARY 16 - FEBRUARY 15 (82-05): THIS ROUTINE INSPECTION INVOLVED 65 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, UNIT 2 OUTAGE, INDEPENDENT INSPECTION EFFORT, REVIEW OF ROUTINE EVENTS AND TMI ACTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 23-24 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS AT BECHTEL POWER CORPORATION IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14); AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IEB 79-02). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 16 - MARCH 15 (82-08): THIS ROUTINE, INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, AND SIGNIFICANT EVENTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED AND IMPLEMENTED. CONTRARY TO THE ABOVE, PLANT OPERATING PROCEDURES AND ADMINISTRATIVE PROCEDURES WERE NOT FOLLOWED IN THAT: ON DECEMBER 9, 1981 STEAM GENERATORS 1-B AND 1-C WERE OVERFILLED AND PRESSURIZED WITHOUT PROVIDING A VENT PATH AS REQUIRED BY SYSTEM OPERATING PROCEDURE NO. 16.D "STEAM GENERATOR FILLING AND DRAINING"; A SYSTEM CHECK OUT OF STEAM GENERATOR LEVEL INSTRUMENTATION WAS NOT PERFORMED TO VERIFY INSTRUMENTS TO BE IN SERVICE AND OPERABLE PRIOR TO FILLING THE STEAM GENERATORS; AND THE REACTOR OPERATORS LOG DID NOT CONTAIN ENTIRES DESCRIBING THE ABOVE EVENT AS REQUIRED BY ADMINISTRATIVE PROCEDURE NO. 16, "CONDUCT OF OPERATION-OPERATIONS GROUP". (8132 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: FEBRUARY 16 - MARCH 15, 1982 +

INSPECTION REPORT NO: 50-364/82-08 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-053/ 03L-0	12/10/81	01/07/82	DIESEL GENERATOR 2C INOPERABLE
81-055/ 03L-0	12/08/81	01/07/82	'2B' RECOMBINER OXYGEN INLET ANALYZER INOPERABLE
81-057/ 03L-0	12/28/81	01/21/82	'A' TRAIN BORON INJECTION HEAT TRACING INOPERABLE
82-001/ 03L-0	01/06/82	02/01/82	'A' TRAIN CHLORINE DETECTOR INOPERABLE
82-002/ 03L-0	01/11/82	02/08/82	MAIN STEAM FLOW TRANSMITTER DECLARED INOPERABLE
82-003/ 03L-0	01/12/82	02/08/82	REFUELING WATER STORAGE TANK LEVEL TRANSMITTER INOPERABLE
82-004/ 03L-0	01/11/82	02/09/82	INSTRUMENT CHANNEL ASSOCIATED WITH MAIN STEAM LINE PRESSURE TRANSMITTER INOPERABLE
82-006/ 03L-0	01/28/82	02/26/82	MISALIGNMENT OF COMPONENT COOLING WATER LOOPS
82-007/ 03L-0	01/18/82	02/17/82	BORON CONCENTRATION IN THE ACCUMULATORS BELOW MINIMUM REQUIRED

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1. Docket: 50-333 OPERATING STATUS
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: E. Zufelt (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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	58,537.0
13. Hours Reactor Critical	587.3	587.3	40,138.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	301.5	501.5	38,945.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	881,592	881,592	79,282,906
18. Gross Elec Ener (MWH)	296,780	296,780	27,057,390
19. Net Elec Ener (MWH)	287,110	287,110	26,191,840
20. Unit Service Factor	67.4	23.2	66.5
21. Unit Avail Factor	67.4	23.2	66.5
22. Unit Cap Factor (MDC Net)	47.6	16.4	59.5*
23. Unit Cap Factor (DER Net)	47.0	16.2	54.5
24. Unit Forced Outage Rate	5.0	5.0	16.8
25. Forced Outage Hours	26.6	26.6	8,017.9

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

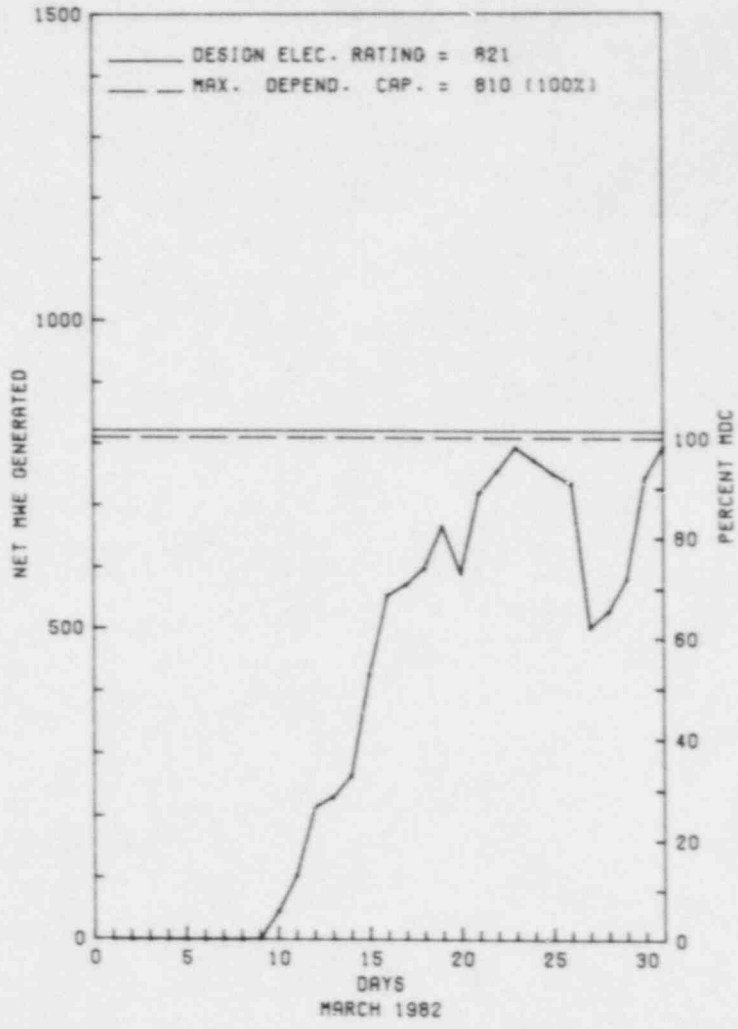
NONE

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

****
* FITZPATRICK *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* FITZPATRICK *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	10/31/81	S	215.9	C	4		RC	FUELXX	REFUELING OUTAGE (CUMULATIVE HOURS 3118.6).
1	03/10/82	F	26.6	A	3		HA	FILTER	DIRTY FILTER TO NUMBER 2 MAIN STOP VALVE.
2	03/26/82	S	0.0	H	5		HA	FILTER	REDUCED POWER FOR RELIEF VALVE TESTING.

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* SUMMARY *
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UNIT WAS RETURNED TO SERVICE AT 2355 MARCH 9, 1982, FOLLOWING THE FOURTH REFUELING OUTAGE. THE UNIT TRIPPED AT 0616 MARCH 10, 1982, DUE TO A CLOGGED FILTER TO NUMBER 2 MAIN STOP VALVE. UNIT WAS RETURNED TO SERVICE AT 0830 MARCH 11, 1982.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

****
* 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.....P. POLK
DOCKET NUMBER.....50-333

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-333/81-10 - APR 14-17 & 27: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (36 HRS) OF TRANSPORTATION ACTIVITIES AND RADIOACTIVE WASTE MANAGEMENT PROGRAMS INCLUDING: MANAGEMENT CONTROLS; SELECTION OF PACKAGES; PREPARATION OF PACKAGES FOR SHIPMENT; DELIVERY OF COMPLETED PACKAGES TO CARRIER; RECEIPT OF PACKAGES; INCIDENT REPORTING; INDOCTRINATION AND TRAINING PROGRAM; AUDIT PROGRAM; AND RECORDKEEPING. ONE VIOLATION WAS IDENTIFIED: FAILURE TO ESTABLISH AND MAINTAIN PROCEDURES FOR RECEIPT OF PACKAGES.

+ 50-333/81-23 - OCT 7-10 & NOV 11-13: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (72 HRS) TO EXAMINE: (A) RADIATION PROTECTION PLANNING AND PREPARATIONS TO SUPPORT A MAJOR OUTAGE; (B) ACTUAL IMPLEMENTATION OF RADIOLOGICAL CONTROLS DURING THE OUTAGE TO INCLUDE (1) POSTING, LABELING AND RADIOACTIVE MATERIAL CONTROL; (2) ALARA PROGRAM; (3) EXPOSURE CONTROL; (4) RADIATION EXPOSURE RECORDS; (5) HEALTH PHYSICS TECHNICIAN TRAINING AND QUALIFICATIONS; (6) RESPIRATOR USER TRAINING AND QUALIFICATION; (7) GENERAL EMPLOYEE TRAINING. NO VIOLATIONS WERE IDENTIFIED.

+ 50-333/81-25 - NOV 2-6: ROUTINE UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (60 HRS) INCLUDED: SECURITY PLAN AND IMPLEMENTATION PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT, PERSONNEL, RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS (PROTECTED AREA, VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES, AND VEHICLES); DETECTION AIDS (PROTECTION AREA, VITAL AREA); ALARM STATIONS; AND COMMUNICATIONS. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

+ 50-333/82-02 - FEB 1-28: ROUTINE INSPECTION BY TWO RESIDENT INSPECTORS (162 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; LICENSEE EVENT REPORT REVIEW; OPERATIONAL SAFETY VERIFICATION; SURVEILLANCE OBSERVATIONS; MAINTENANCE OBSERVATIONS; IE BULLETIN FOLLOWUP; IE CIRCULAR FOLLOWUP; PRIMARY CONTAINMENT INTEGRATED LEAK RATE TEST OBSERVATION; VOLTAGE PROFILE TEST OBSERVATION, AND ISI ACTIVITY OBSERVATION. NO VIOLATIONS WERE IDENTIFIED.

+ 50-333/82-04 - FEB 8-12: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION-BASED INSPECTOR (34 HRS) OF PRIMARY CONTAINMENT LEAK RATE TESTING AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.205 EACH LICENSEE SHALL ESTABLISH AND MAINTAIN PROCEDURES FOR SAFELY OPENING PACKAGES IN WHICH LICENSED MATERIAL IS RECEIVED. CONTRARY TO THE ABOVE, AS OF APRIL 17, 1981, THE LICENSEE HAD NOT ESTABLISHED OR MAINTAINED PROCEDURES TO IMPLEMENT THE REQUIREMENTS OF 10 CFR 20.205.
(8110 5)

SECURITY GUARD ON DUTY AT THE BULLET RESISTANT CONTROL POINT OF THE AUXILIARY CONTROL BUILDING COULD NOT SATISFACTORILY DEMONSTRATE THE PROCEDURE FOR LOCKING THE TURNSTILES IN THE EVENT OF A FORCEFUL THREAT OR COERCION TO GAIN UNAUTHORIZED ENTRY INTO THE PROTECTED AREA. INTRUSION ALARMS ON MANHOLES, WHICH PROVIDE ACCESS TO THE CABLE TUNNEL (VITAL AREA), WERE NOT INCLUDED IN THE WEEKLY TEST AND MAINTENANCE SCHEDULE.
(8125 5)

TS 6.11(A)2 REQUIRES THAT LOCKED DOORS BE PROVIDED TO PREVENT UNAUTHORIZED ENTRY INTO HIGH RADIATION AREAS IN WHICH THE INTENSITY OF RADIATION IS GREATER THAN 1000 MREM/HR & THAT THE KEYS BE MAINTAINED UNDER THE ADMINISTRATIVE CONTROL OF THE SHIFT SUPERVISOR ON DUTY AND/OR THE PLANT RADIATION PROTECTION & RADIOCHEMISTRY SUPERVISOR. CONTRARY TO THE ABOVE, AT 10:00 A.M. ON 12/11/81, THE INSPECTOR OBSERVED THAT GATE # RW272/12 WAS TIED OPEN WITH NO ONE CONTROLLING ACCESS TO THE AREA. LICENSEE SURVEY #44303 COMPLETED 12/12/81, INDICATED THAT PORTIONS OF THE AREA MADE ACCESSIBLE BY OPEN GATE RW272/12 HAD RADIATION LEVELS UP TO 3000 MREM/HR. IN ADDITION, THE KEYS FOR GATE RW272/12 ARE NOT UNDER THE ADMINISTRATIVE CONTROL OF THE SHIFT SUPERVISOR OR THE PLANT RADIATION PROTECTION & RADIOCHEMISTRY SUPERVISOR.
(8127 4)

TS 6.11 REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENT OF 10 CFR PART 20. SECTION II.B OF THE RADIATION PROTECTION OPERATING PROCEDURES (RPOP), REQUIRES THAT RADIATION WORK PERMITS (RWP) BE ISSUED FOR JOBS WHERE SPECIAL HAZARDS ARE INVOLVED SUCH AS GRIND. ON CONTAMINATED SURFACES. SECTION II.B.6.2 OF THE RPOR STATES THAT THE LEADMAN IS RESPONSIBLE FOR PERSONNEL WORKING UNDER THE RWP & ENSURES THAT THEY OBEY ITS INSTRUCTIONS. CONTRARY TO THE ABOVE, THE LEADMAN DID NOT ENSURE THE RWP INSTRUCTIONS TO OBTAIN AIR SAMPLES DURING GRINDING OPERATIONS WERE OBEYED AS REQUIRED BY RWP'S 7943S & 8092S ON 12/14 & RWP 8414S ON 12/19/81. TS 6.8(A) REQUIRES THAT WRITTEN PROCEDURES BE IMPLEMENTED THAT MEET OR EXCEED THE REQUIREMENTS & RECOMMENDATIONS OF SECTION 5 OF ANSI 18.7-1972 & APPENDIX A OF RG 1.33, 11/72. WACP 101.3, "PLACEMENT OF JUMPERS/BLOCKS OR LIFTED LEADS," PARAGRAPH 7.2.1 REQUIRES THAT THE PERSON APPLYING THE JUMPER/BLOCK/LIFTED LEAD ENSURE THAT A TAG IS ATTACHED & IS SIGNED. CONTRARY TO THE ABOVE, AT ABOUT 1:15 P.M. ON 12/10/81, THE INSPECTOR OBSERVED BLOCKS INSERTED BETWEEN THE CONTACTS OF THE PUMP TRIP LEVEL SWITCHES ON THE LAUNDRY DRAIN TANK LEVEL RECORDER WITHOUT ANY TAGS OR LOG SHEET.
(8127 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ BOTH CONTAINMENT OXYGEN ANALYZERS ARE OUT OF SERVICE. THE LICENSEE IS MONITORING OXYGEN CONCENTRATION WITH PORTABLE

OTHER ITEMS

INSTRUMENTATION UNTIL THEY ARE RESTORED TO SERVICE AND PURSUING REPAIR AND/OR REPLACEMENT OF THE EXISTING MONITORS.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ ON MARCH 6, 1982 THE FACILITY WAS STARTED UP AFTER COMPLETING A FOUR MONTH MODIFICATION AND REFUELING OUTAGE. THE PLANT IS OPERATING AT 90% POWER WITH OFFGAS AND STACK RELEASE RATES OF 12,480 AND 2,300 MICROCURIES PER SECOND RESPECTIVELY. THE OFFGAS RECOMBINER IS OUT OF SERVICE.

LAST IE SITE INSPECTION DATE: 3/1-31/82 +

INSPECTION REPORT NO: 50-333/82-06 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-002/ 03L	02/03/82	03/03/82	FEEDWATER FLOW INSTRUMENT DRIFT RESULTED IN NON-CONSERVATIVE CORE THERMAL POWER CALCULATION
82-003/ 01T	03/02/82	03/12/82	LESS THAN MINIMUM REQUIRED IRM'S OPERABLE IN REFUEL MODE
82-004/ 03L	02/27/82	03/17/82	MISSED SURVEILLANCE ON REACTOR BUILDING ISOLATION LOGIC
82-005/ 01T	03/15/82	03/23/82	OXYGEN CONCENTRATION IN DRYWELL EXCEEDED T.S. LIMIT DUE TO IMPROPER VALVE LINEUP

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

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: R. W. SHORT (402) 536-4543

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	74,641.0
13. Hours Reactor Critical	744.0	2,106.5	58,345.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,309.5
15. Hrs Generator On-Line	744.0	2,101.0	57,191.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,091,851	3,061,686	69,763,515
18. Gross Elec Ener (MWH)	372,710	1,041,152	23,115,098
19. Net Elec Ener (MWH)	355,687	992,963	21,840,827
20. Unit Service Factor	100.0	97.3	76.6
21. Unit Avail Factor	100.0	97.3	76.6
22. Unit Cap Factor (MDC Net)	100.0	96.2	63.8*
23. Unit Cap Factor (DER Net)	100.0	96.2	61.2
24. Unit Forced Outage Rate	.0	2.7	3.9
25. Forced Outage Hours	.0	59.0	1,110.4

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

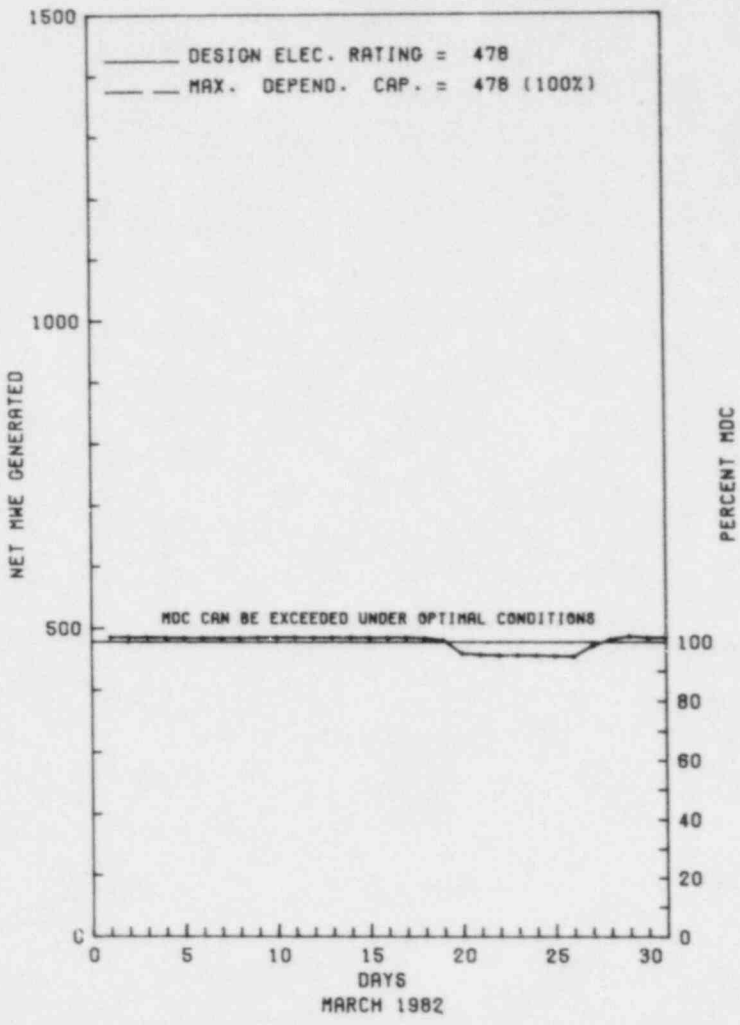
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

FORT CALHOUN 1

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

SUMMARY

FORT CALHOUN 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

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

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

Report Period MAR 1982

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED DURING PERIOD OF JANUARY 1-31, 1982 (82-01): ROUTINE, ANNOUNCED INSPECTION INCLUDING (1) OPERATIONAL SAFETY VERIFICATION; (2) SURVEILLANCE TESTING; (3) MAINTENANCE; (4) PLANT STATUS; AND (5) FOLLOW UP ON IE BULLETINS. WITHIN THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED DURING PERIOD OF FEBRUARY 22-26, 1982 (82-02): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUSLY IDENTIFIED ITEMS, REQUALIFICATION TRAINING, AND FIRE PREVENTION/ PROTECTION. WITHIN THE THREE AREAS INSPECTED, TWO APPARENT VIOLATIONS WERE IDENTIFIED (VIOLATIONS - FAILURE TO CONDUCT REQUALIFICATION LECTURES AND EXAMINATION; - AND FAILURE TO FOLLOW PROCEDURES REGARDING FIRE BRIGADE TRAINING).

INSPECTION CONDUCTED DURING PERIOD OF FEBRUARY 1-28, 1982 (82-03): ROUTINE, ANNOUNCED INSPECTION INCLUDING (1) FOLLOW UP ON OPEN ITEMS; (2) OPERATIONAL SAFETY VERIFICATION; (3) SURVEILLANCE TESTING; (4) MAINTENANCE, AND (5) PLANT OPERATIONS. WITHIN THE FIVE AREAS INSPECTED, ONE VIOLATION WAS FOUND IN THE AREA OF PLANT OPERATIONS (VIOLATION - FAILURE TO PROVIDE ADEQUATE INSTRUCTIONS AND PROCEDURES).

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC 5.5.2.7.A, THE LICENSEE'S SAFETY AUDIT AND REVIEW COMMITTEE FAILED TO REVIEW SAFETY EVALUATIONS TO NUMEROUS

ENFORCEMENT SUMMARY

SIGNIFICANT PROCEDURE CHANGES MADE DURING THE PERIOD 1979-1981. CONTRARY TO CRITERION V OF APP B TO 10CFR50, THE LICENSEE FAILED TO ACCOMPLISH THE FOLLOWING ACTIVITIES IN ACCORDANCE WITH APPROVED PROCEDURES: (1) LIFTING OF LEADS NOT IN COMPLIANCE WITH STANDING ORDER 0-2, "ELECTRICAL JUMPER CONTROL" (2) SURVEILLANCE TEST PROCEDURES NOT REVIEWED BIANNUALLY AS REQUIRED BY STANDING ORDER G-26, "MAINTENANCE QC PROGRAM" (3) CQE LIST NOT MAINTAINED CURRENT, (4) COMBUSTIBLE MATERIAL STORED IN VIOLATION OF STANDING ORDER G-22, "STORAGE OF CRITICAL QUALITY ELEMENTS" (5) AUDIT FINDINGS NOT DOCUMENTED IN ACCORDANCE WITH SEC 3.6.3 OF QAP 15, "ADVERSE CONDITION REPORTING AND CORRECTION" (6) AUDITS PERFORMED BY PERSONNEL IN AREAS FOR WHICH THEY WERE RESPONSIBLE IN VIOLATION OF QAP 17, "AUDIT PLANNING, PERFORMANCE AND REPORTING" (7) QA TRAINING NOT PERFORMED AS REQUIRED IN SECT 3.1.1 OF QAP 19, "INDOCTRINATION TRAINING OF QA PERSONNEL" (8) ENGINEER TRAINING NOT PERFORMED AS REQUIRED IN SECT 17.2.4 OF QA PROGRAM (9) TEST ENGINEERS TRAINING PROGRAM NOT ESTABLISHED AS REQUIRED BY SECT 5.1.2.2.A OF TRAINING MANUAL, AND (10) DESIGN VERIFICATIONS NOT BEING PERFORMED AS REQUIRED BY GSE PROCEDURE B-11, "DESIGN VERIFICATION" (11) AUDITOR CERTIFICATION WAS NOT DONE IN ACCORDANCE WITH QAP 18, "AUDITOR TRAINING AND QUALIFICATION." CONTRARY TO TECH SPEC 5.5.2.8.D, THE LICENSEE'S SAFETY AUDIT AND REVIEW COMMITTEE FAILED TO HAVE AN AUDIT PERFORMED OF THE QA PROGRAM WITHIN THE REQUIRED TWO YR PERIOD.
(8130 4)

CONTRARY TO TECH SPEC 5.2.2.F AND 5.8, THE LICENSEE FAILED TO ASSIGN FIRE PROTECTION RESPONSIBILITIES TO THE ASST GENERAL MGR - PRODUCTION OPNS, THE DIV MGR - PRODUCTION OPNS, AND THE SECTION MGR - OPNS. CONTRARY TO CRITERION VIII OF APP B TO 10CFR50, THE LICENSEE FAILED TO IMPLEMENT MEASURES THAT ASSURE IDENTIFICATION AND CONTROL FROM WAREHOUSE ISSUANCE TO INSTALLATION. CONTRARY TO CRITERION XVIII OF APP B TO 10CFR50, THE LICENSEE FAILED TO INCLUDE THE FOLLOWING AREAS IN THE AUDIT PROGRAM: DESIGN DOCUMENT CONTROL, PLANT OPERATING INCIDENT (OI) REPORTING PROGRAM, PLANT PROCEDURES REVIEW AND APPROVAL, SECURITY PERSONNEL RECORDS AND SARC ACTIVITIES, ELECTRIC OPERATIONS, DIVISION RELAY GROUP PERFORMANCE, COMPLIANCE WITH SURVEILLANCE REQUIREMENTS AND LIMITING CONDITIONS FOR OPERATIONS IN THE TECH SPECS.
(8130 5)

CONTRARY TO TECH SPEC 5.8.1, THE LICENSEE FAILED TO PROVIDE ADEQUATE INSTRUCTIONS AND PROCEDURES IN THAT (1) TWO SEPARATE SYSTEM EVOLUTIONS (SAMPLING OF THE VOLUME CONTROL TANK GAS SPACE AND DRAINING OF THE VENT HEADER IN COMBINATION) ALLOWED RADIOACTIVE GAS TO ENTER A SYSTEM VENTED TO ATMOSPHERE, CAUSING AN UNPLANNED OFF-SITE RELEASE AND (2) RELIEF VALVE AC-341 WAS IMPROPERLY RETURNED TO SERVICE AFTER BENCH TESTING WITH THE GAG PLUG MISSING, ALLOWING RADIOACTIVE WASTE GAS TO ESCAPE FROM THE VENT HEADER IN AN UNPLANNED RELEASE TO THE AUXILIARY BUILDING.
(8203 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ROUTINE OPERATIONS.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 50-285/82-03

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-01 03L-0	01/11/82	01/19/82	TWO FIRE BARRIER PENETRATIONS WERE FOUND TO BE NON-FUNCTIONAL
82-02 03L-0	01/14/82	01/28/82	LOCKOUT RELAY FAILED TO ACTUATE ON DEMAND
82-03 03L-0	02/03/82	02/17/82	CONTAINMENT ISOLATION VALVE FAILED TO CLOSE UPON DEMAND
82-04 03L-0	02/03/82	02/05/82	STACK GAS MONITOR FAILED TO ALARM AT SETPOINT
82-05 03L-0	02/10/82	02/22/82	CONTROL ELEMENT INSERTED FULLY INTO THE CORE

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

2. Reporting Period: 03/01/82 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:

NRC RESTRIC OF 70% PEND RESOLUTION OF TEMP FLUCTUATIONS

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	24,121.0
13. Hours Reactor Critical	.0	101.9	14,680.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	9,908.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	4,933,942
18. Gross Elec Ener (MWH)	0	0	1,691,356
19. Net Elec Ener (MWH)	-2,788	-7,365	1,546,894
20. Unit Service Factor	.0	.0	41.1
21. Unit Avail Factor	.0	.0	41.1
22. Unit Cap Factor (MDC Net)	.0	.0	19.4
23. Unit Cap Factor (DER Net)	.0	.0	19.4
24. Unit Forced Outage Rate	.0	.0	34.0
25. Forced Outage Hours	.0	.0	5,110.9

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

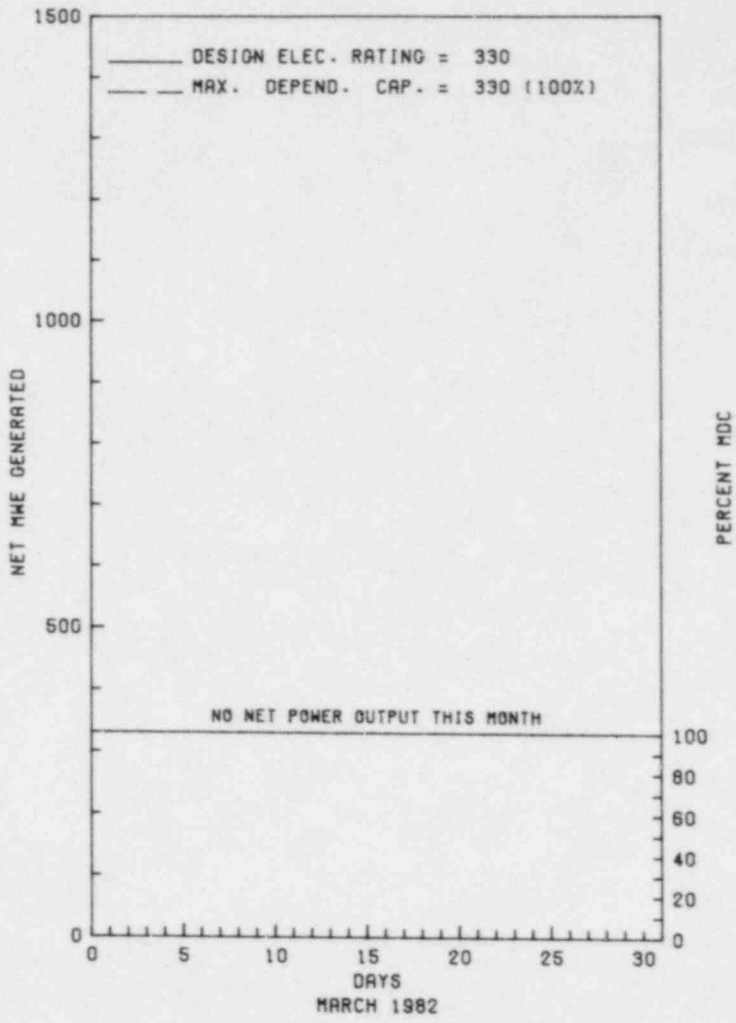
MAINTENANCE OUTATE - 4/1/82 TO 4/15/82 (360.0 HOURS)

27. If Currently Shutdown Estimated Startup Date: 04/15/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

FORT ST VRAIN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
81-026	11/09/81	S	744.0	B	4		CB	XXXXXX	LOOP-SPLIT MODIFICATION CONTINUES.

SUMMARY

FORT ST. VRAIN 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)

****
* 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.....G. KUZMYCZ
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 FEBRUARY 1-28, 1982 (82-05): ROUTINE ANNOUNCED INSPECTION OF SURVEILLANCE MAINTENANCE; INSPECTION DURING LONG-TERM SHUTDOWN; STARTUP TESTING MODIFIED SYSTEM; TRANSPORTATION ACTIVITIES; POWER LEVEL PLATEAU REVIEW; FOLLOW UP TO WRITTEN REPORTS OF NON-ROUTINE EVENTS; FOLLOW UP OF PREVIOUS INSPECTION FINDINGS; AND REVIEW OF PERIODIC AND SPECIAL REPORTS. WITHIN THE NINE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO TECH SPEC LCO 4.8.1.(C) WHICH STATES IN PART, "PLANT EQUIPMENT IN THE HELIUM PURIFICATION SYSTEM (...INCLUDING THE TITANIUM SPONGE),...SHALL BE UTILIZED TO KEEP RELEASES OF RADIOACTIVE MATERIALS TO UNRESTRICTED AREAS AS LOW AS PRACTICABLE..." THE TITANIUM SPONGE IN THE HELIUM PURIFICATION SYSTEM HAS NOT BEEN IN OPERATION SINCE APR 1980.
(8128 5)

EXEMPT INFORMATION
(8130 4)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT REMAINS SHUT DOWN FOR REMOVAL OF MOISTURE FROM THE REACTOR

LAST IE SITE INSPECTION DATE: FEBRUARY 1-28, 1982

INSPECTION REPORT NO: 50-267/82-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-05 03L-0	02/18/82	03/19/82	LOOP 2 STEAM GENERATOR PENETRATION PRESSURE SWITCH WAS FOUND ISOLATED, WHICH COULD HAVE ALLOWED PRESSURE BETWEEN THE STEAM GENERATOR PENETRATION RUPTURE DISC AND THE ASSOCIATED RELIEF VALVE TO BE IN EXCESS. LCO 4.2.7(D)
82-06 03L-0	02/18/82	03/19/82	DURING NORMAL STARTUP AND LOWER POWER OPERATIONS, THE PRIMARY COOLANT MOISTURE, MEASURED BY DEWPOINT, EXCEEDED THE LIMITS ON FOUR SEPARATE OCCASSIONS. LCO 4.2.11
82-07 01T-0	02/22/82	03/08/82	CONTROL RODS IN REGION 7-28 DID NOT AUTOMATICALLY INSERT DURING SCRAM AND WERE SUBSEQUENTLY INSERTED USING NORMAL CONTROL ROD DRIVE POWER. LCO 4.2.11

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

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	108,216.0
13. Hours Reactor Critical	.0	585.5	82,227.7
14. Rx Reserve Shtdwn Hrs	.0	.0	1,631.5
15. Hrs Generator On-Line	.0	585.5	80,413.1
16. Unit Reserve Shtdwn Hrs	.0	.0	8.5
17. Gross Therm Ener (MWH)	0	881,568	109,787,122
18. Gross Elec Ener (MWH)	0	288,921	35,723,886
19. Net Elec Ener (MWH)	0	274,975	33,853,048
20. Unit Service Factor	.0	27.1	74.3
21. Unit Avail Factor	.0	27.1	74.3
22. Unit Cap Factor (MDC Net)	.0	27.1	68.6*
23. Unit Cap Factor (DER Net)	.0	27.1	68.6*
24. Unit Forced Outage Rate	.0	35.8	8.7
25. Forced Outage Hours	.0	326.5	3,734.7

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

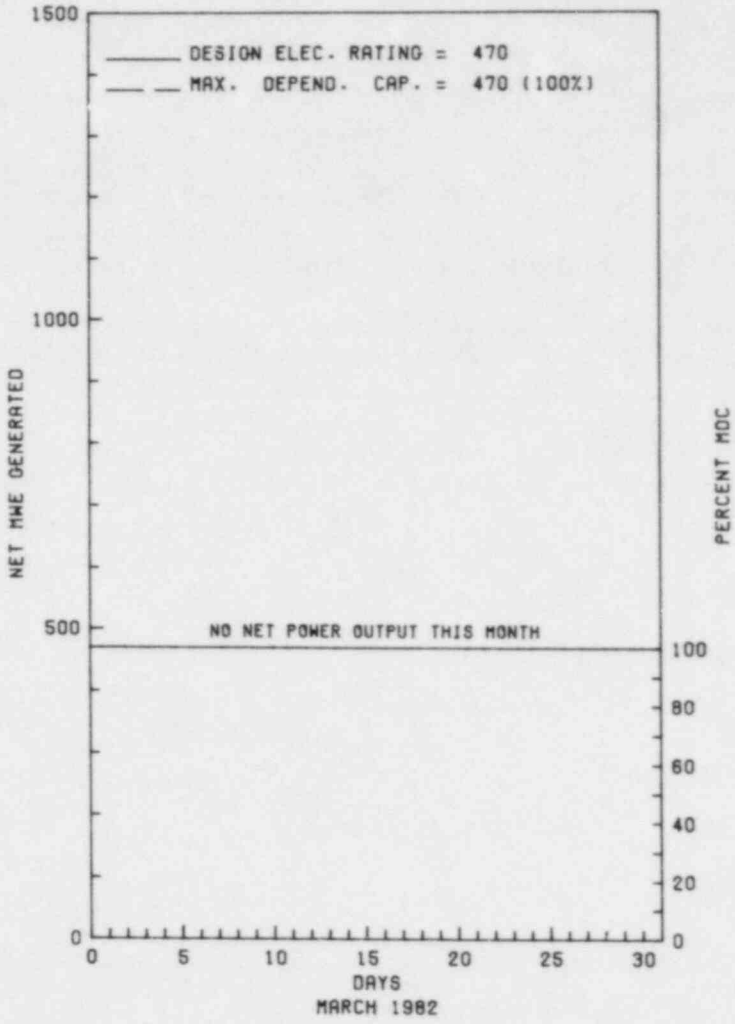
NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/82

****
* GINNA *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* GINNA *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
01	01/25/82	S	744.0	C	4	82-003			THE UNIT REMAINED SHUTDOWN FOR THE ENTIRE PERIOD FOR REPAIRS TO THE "B" STEAM GENERATOR AND NORMAL REFUELING OUTAGE ACTIVITIES.

****
* SUMMARY *
****

GINNA REMAINED SHUTDOWN IN AN ONGOING MAINTENANCE AND 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)

****
* GINNA *
****

FACILITY DATA

Report Period MAR 1982

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.....J. LYONS
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

+ 50-244/82-02 - JAN 18-20: ROUTINE UNANNOUNCED PHYSICAL SECURITY INSPECTION BY TWO REGION BASED INSPECTORS (52 HRS) INCLUDED: SECURITY ORGANIZATION (PERSONNEL); SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS (PROTECTED AREAS); PHYSICAL BARRIERS (VITAL AREAS); LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL); (PACKAGES); (VEHICLES); DETECTION AIDS (PROTECTED AREAS); (VITAL AREAS); ALARM STATIONS; AND COMMUNICATIONS. NO VIOLATIONS WERE IDENTIFIED.

+ 50-244/82-03 - JAN 1 - FEB 28: ROUTINE, ONSITE, REGULAR, BACKSHIFT AND WEEKEND INSPECTION BY THE RESIDENT INSPECTOR (306 HRS). AREAS INSPECTED INCLUDED PLANT OPERATING RECORDS; SURVEILLANCE TESTING; MAINTENANCE; LICENSEE EVENT REPORTS; PERIODIC AND SPECIAL REPORTS; RESPONSE TO THE JANUARY 25TH STEAM GENERATOR TUBE RUPTURE EVENT; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; INSERVICE PUMP TEST PROGRAM; CONTROL OF MEASURING AND TEST EQUIPMENT; AND ACCESSIBLE PORTIONS OF THE FACILITY DURING PLANT TOURS. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO PROPERLY CALIBRATE MEASURING AND TEST EQUIPMENT; FAILURE TO INCREASE THE CALIBRATION FREQUENCY FOR EQUIPMENT WHOSE INSTRUMENT HISTORY INDICATES THE NEED; FAILURE TO ESTABLISH BEARING TEMPERATURE REFERENCE VALUES AND LIMITS FOR THE PUMPS INCLUDED IN THE INSERVICE PUMP TEST PROGRAM.

ENFORCEMENT SUMMARY

10 CFR 20.201(B) REQUIRES SURVEYS AS MAY BE NECESSARY TO COMPLY WITH THE REGULATIONS IN THIS PART. A SURVEY IS DEFINED IN PARA

ENFORCEMENT SUMMARY

20.201(A) AS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT TO THE PRODUCTION, USE, RELEASE, DISPOSAL, OR PRESENCE OF RADIOACTIVE MATERIALS OR OTHER SOURCES OF RADIATION UNDER A SPECIFIC SET OF CONDITIONS. WHEN APPROPRIATE, SUCH EVALUATION IS TO INCLUDE A PHYSICAL SURVEY OF THE LOCATION OF MATERIALS AND MEASUREMENTS OF LEVELS OF RADIATION OR CONCENTRATIONS OF RADIOACTIVE MATERIAL PRESENT. ONE SUCH REGULATION PARA 20.103 REQUIRES THAT NO LICENSEE POSSESS, USE OR TRANSFER LICENSED MATERIAL IN SUCH A MANNER AS TO PERMIT ANY INDIVIDUAL IN A RESTRICTED AREA TO INHALE A QUANTITY OF RADIOACTIVE MATERIAL IN EXCESS OF THE LIMITS SPECIFIED THEREIN. CONTRARY TO THE ABOVE, ON MAY 26, 1981 NO SURVEYS OF THE AIRBORNE RADIOACTIVITY CONCENTRATIONS WERE MADE WHILE SEVERAL WORKERS PERFORMED GRINDING OF THE 'B' STEAM GENERATOR TUBE SHEET UNDER SPECIAL WORK PERMIT NO. 2181. RADIOACTIVE MATERIAL ON THE TUBE SHEET SURFACE PRODUCED DOSE RATES ESTIMATED TO BE AS HIGH AS 100 RADS/HOUR.
(8110 4)

10 CFR 20.409 REQUIRES THAT WHEN A LICENSEE REPORTS ANY EXPOSURE OF AN INDIVIDUAL TO RADIATION OR RADIOACTIVE MATERIAL TO THE COMMISSION IN ACCORDANCE WITH PARA 20.405 OR PARA 20.408, THE LICENSEE MUST ALSO NOTIFY THE INDIVIDUAL NO LATER THAN THE DATE OF TRANSMITTAL TO THE COMMISSION. THIS REPORT MUST COMPLY WITH THE PROVISIONS OF PARA 19.13(A) WHICH REQUIRES THE INCLUSION OF DATA AND RESULTS OBTAINED AND RECORDED PURSUANT TO COMMISSION REGULATIONS. CONTRARY TO THE ABOVE, ON FEBRUARY 2, 1981 THE LICENSEE TRANSMITTED REPORTS TO TWO INDIVIDUALS PURSUANT TO PARA 20.408(B) THAT DID NOT INCLUDE THEIR EXTREMITY RADIATION EXPOSURE DATA OBTAINED AND RECORDED PURSUANT TO COMMISSION REGULATIONS PARA 20.202 AND PARA 20.401.
(8110 5)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XII, AND THE GINNA STATION QUALITY ASSURANCE MANUAL, SECTION XII, AS OF JANUARY 18, 1982, THE CALIBRATION FREQUENCY FOR TWO NEUTRON SURVEY INSTRUMENTS HAD NOT BEEN REDUCED, ALTHOUGH DATA FROM THE PAST THREE ANNUAL CALIBRATIONS INDICATED THE NEED FOR SUBSTANTIAL ADJUSTMENTS PRIOR TO RETURNING THE METERS TO SERVICE. CONTRARY TO 10 CFR 50.55A(G)(4) AND THE GINNA STATION QUALITY ASSURANCE MANUAL, APPENDIX C, AS OF JANUARY 7, 1982, THE INSERVICE PUMP TEST PROGRAM DID NOT INCLUDE A REFERENCE VALUE, ALERT LIMIT, OR REQUIRED ACTION LIMIT FOR BEARING TEMPERATURES ASSOCIATED WITH ASME CLASS 2 OR 3 PUMPS LISTED IN PARAGRAPH 3.2 OF THE GINNA STATION QUALITY ASSURANCE MANUAL, APPENDIX C. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XII, THE FOLLOWING INSTANCES OF FAILURE TO PROPERLY CALIBRATE MEASURING AND TEST EQUIPMENT WERE NOTED. THE PYROMETER USED ON MARCH 2 AND 4, 1981 TO MEASURE THE BEARING TEMPERATURES ASSOCIATED WITH THE THREE SAFETY INJECTION PUMPS WAS CALIBRATED OVER THE LIMITED TEMPERATURE RANGE OF 75-120F, WHERE THE INDICATED BEARING TEMPERATURES RANGED FROM 55-157F. CALIBRATION RECORDS WERE NOT AVAILABLE FOR THE DIGITAL THERMOMETER USED ON JANUARY 18, 1982 TO MEASURE THE OUTBOARD BEARING TEMPERATURES ASSOCIATED WITH THE TWO CONTAINMENT SPRAY PUMPS.
(8203 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ REMOVAL OF DAMAGED, PREVIOUSLY PLUGGED PERIPHERAL TUBES FROM THE 'B' STEAM GENERATOR IS ONGOING.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ SHUTDOWN FOR ANNUAL REFUELING, MAINTENANCE AND MODIFICATION OUTAGE.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: 3/1 - 4/9/82 +

INSPECTION REPORT NO: 50-244/82-06 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L	01/25/82	02/24/82	PRESSURIZER PORV INOPERABLE
82-006/ 01T	02/03/82	02/17/82	INADVERTENT RCS DILUTION
82-007/ 01T	02/23/82	03/09/82	RCS COOLDOWN RATE EXCEEDED
82-008/ 01T	03/03/82	03/16/82	DELTA TEMP. LIMIT EXCEEDED ACROSS 'B' STEAM GENERATOR TUBE SHEET

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1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 03/01/82 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): 532

8. Maximum Dependable Capacity (Net MWe): 555

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

DER CHANGED FOR WINTER PERFORMANCE.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	124,896.0
13. Hours Reactor Critical	744.0	2,126.0	107,677.5
14. Rx Reserve Shtdwn Hrs	.0	.0	1,192.5
15. Hrs Generator On-Line	744.0	1,975.5	102,878.5
16. Unit Reserve Shtdwn Hrs	.0	.0	373.7
17. Gross Therm Ener (MWH)	1,327,330	3,463,480	178,112,736
18. Gross Elec Ener (MWH)	441,519	1,150,865	58,524,342
19. Net Elec Ener (MWH)	421,443	1,095,143	55,675,595
20. Unit Service Factor	100.0	91.5	82.4
21. Unit Avail Factor	100.0	91.5	82.7
22. Unit Cap Factor (MDC Net)	102.1	91.4	82.2*
23. Unit Cap Factor (DER Net)	97.3	87.1	75.9*
24. Unit Forced Outage Rate	.0	8.5	6.6
25. Forced Outage Hours	.0	184.5	780.7

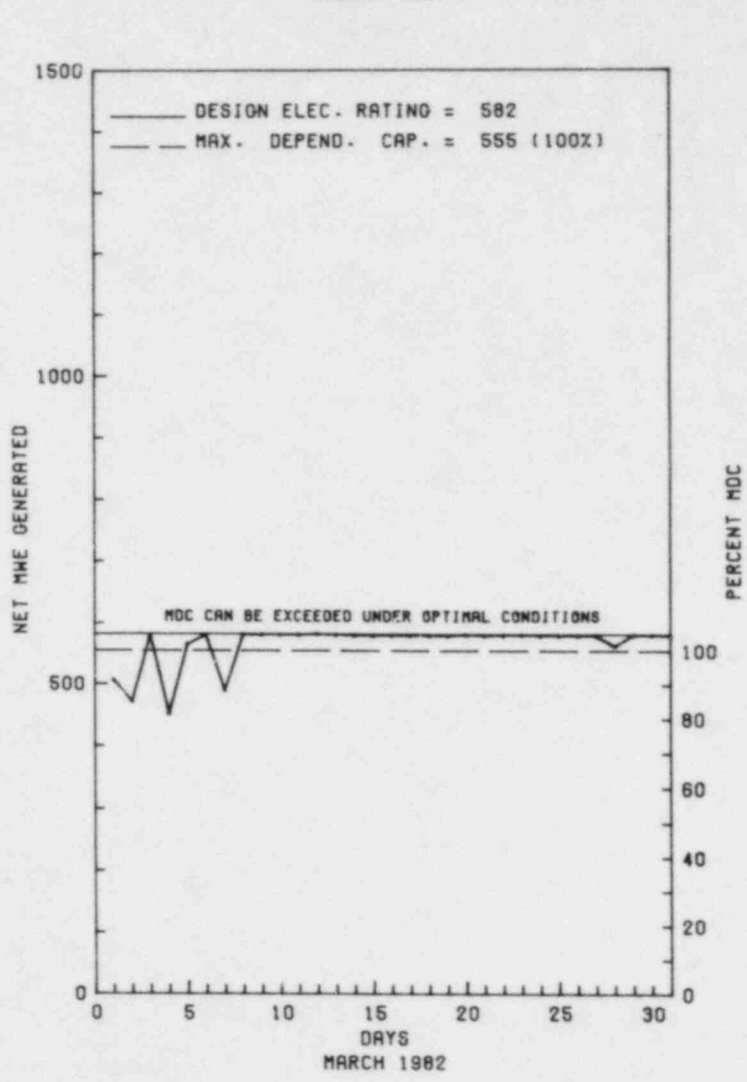
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-04	03/04/82	S	0.0	A	5		HC	HTEXCH	REDUCED POWER FOR REPAIR OF LEAKING CONDENSER TUBES.

****
* SUMMARY *
****

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

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

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. SMITH

LICENSING PROJ MANAGER.....C. TROPF
DOCKET NUMBER.....50-213

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

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119 BROAD STREET
MIDDLETOWN, CONNECTITCUT 06457

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-213/82-01 - JAN 18 - FEB 21: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTOR (79 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; LOG AND RECORD REVIEW; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; OPERATING EVENTS; LICENSEE EVENT REPORTS; REVIEW OF PERIODIC AND SPECIAL REPORTS; SURVEILLANCE AND FIRE PROTECTION. NO VIOLATIONS WERE IDENTIFIED.

+ 50-213/82-05 - FEB 8-12: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (53 HRS) OF LOCAL LEAK RATE TESTING, TRAINING AND QUALIFICATION, CONTROL ROOM ACTIVITIES, AND POST REFUELING STARTUP TESTING INCLUDING, CONTROL ROD DROPS, CONTROL ROD WORTH AND BORON WORTH, ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT, SHUTDOWN MARGIN, AND CORE OUTLET THERMOCOUPLE CALIBRATION. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO ESTABLISH, MAINTAIN AND FOLLOW A SYSTEM OF WRITTEN MATERIAL CONTROL AND ACCOUNTING PROCEDURES TO ASSURE ACCOUNTING OF ALL SPECIAL NUCLEAR MATERIAL POSSESSED.
(8115 5)

OTHER ITEMS

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

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NORMAL FULL POWER OPERATION.

LAST IE SITE INSPECTION DATE: 3/28 - 4/1/82 +

INSPECTION REPORT NO: 50-213/82-04 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-321 OPERATING STATUS
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: STEVE BETHAY (912) 367-7781 X 2386
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): 757
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	54,768.0
13. Hours Reactor Critical	744.0	1,309.9	39,701.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	1,217.5	37,051.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,705,596	2,652,839	77,430,291
18. Gross Elec Ener (MWH)	307,850	615,730	24,839,460
19. Net Elec Ener (MWH)	292,097	579,786	23,588,555
20. Unit Service Factor	100.0	56.4	67.7
21. Unit Avail Factor	100.0	56.4	67.7
22. Unit Cap Factor (MDC Net)	51.9	35.4	56.9
23. Unit Cap Factor (DER Net)	50.5	34.5	55.4
24. Unit Forced Outage Rate	.0	2.6	15.8
25. Forced Outage Hours	.0	32.1	6,746.1

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

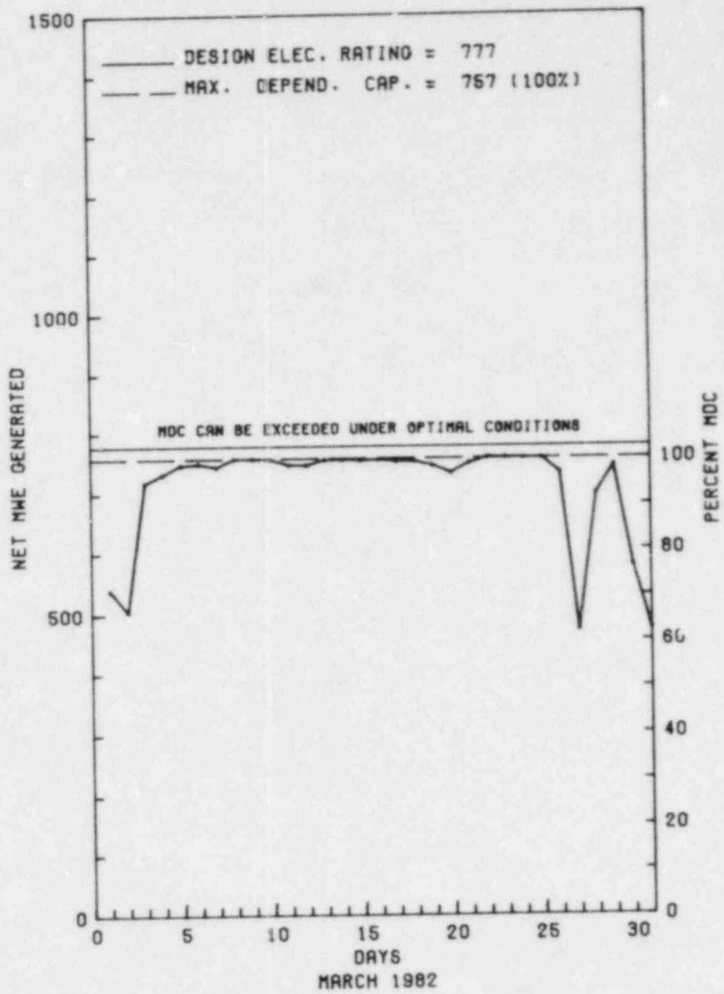
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-13	03/01/82	F	0.0	A	5		HH	HTEXCH	CONDENSER TUBE LEAK.
82-14	03/03/82	S	0.0	B	5		XX	XXXXXX	ROD PATTERN ADJUSTMENT.
82-15	03/07/82	S	0.0	B	5		HA	TURBIN	DAILY TURBINE TESTING.
82-16	03/11/82	F	0.0	A	5		WC	DEMINX	CONDENSATE DEMIN PROBLEMS.
82-17	03/19/82	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING.
82-18	03/26/82	S	0.0	B	5		XX	XXXXXX	ROD SEQUENCE EXCHANGE.
82-19	03/30/82	F	0.0	A	5		HH	HTEXCH	CONDENSER TUBE LEAK.

****
* SUMMARY *
****

HATCH 1 OPERATED ROUTINELY DURING MARCH.

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

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-321

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

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BAXLEY, GEORGIA 31513

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 8-11 (82-04): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAIN STEAM ISOLATION VALVE TESTING AND MAINTENANCE DOCUMENTATION. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 8-12 (82-05): INCLUDED SITE ORIENTATION; SECURITY ORGANIZATION-PERSONNEL; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AREA; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ASSESSMENT/SURVEILLANCE AIDS; ENTRY/EXIT CONTROL-PERSONNEL; ENTRY/EXIT CONTROL-PACKAGES; ENTRY/EXIT CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE INSPECTION INVOLVED 18 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A REGULAR SHIFT PERIOD; 3 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 15 AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: ENTRY/EXIT CONTROL-PERSONNEL - FAILURE TO PROVIDE REQUIRED SEARCHES AT PROTECTED AREA.

INSPECTION MARCH 10-12 (82-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREA OF FIRE PROTECTION. OF THE AREA INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 10-12, 1982 +

INSPECTION REPORT NO: 50-321/82-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-033/ 03L-0	12/04/81	12/29/81	P003A RECOMBINER BUILDING VENT MONITOR FOUND INOPERABLE
82-003/ 03L-0	01/05/82	01/26/82	HYDRAULIC SHOCK AND SWAY ARRESTOR INSPECTION AND FUNCTIONAL TEST NOT APPROVED WITHIN 14 DAYS
82-004/ 03L-0	02/02/82	02/16/82	HIGH REACTOR PRESSURE INSTRUMENT 1B21-N023C OUT OF CALIBRATION
82-005/ 03L-0	01/18/82	02/02/82	MAIN STEAM LINE FLOW SWITCH 1B21-N006C OUT OF CALIBRATION
82-006/ 01T-0	01/19/82	02/02/82	PINHOLE LEAK NEXT TO A WELD IN SENSING LINE FROM FLOW ELEMENT B31-N013A DISCHARGE RECIRCULATION A
82-007/ 03L-0	01/22/82	02/09/82	REACTOR WATER LEVEL SWITCH INSTRUMENT 4 FAILED TO ACTUATE
82-008/ 03L-0	02/05/82	02/25/82	DRYWELL TEMPERATURE RECORDER FOUND INOPERABLE

82-009/03L-0	02/06/82	02/25/82	TORUS WATER LEVEL INDICATOR OUT OF CALIBRATION
82-011/03L-0	02/12/82	03/04/82	REACTOR CORE ISOLATION COOLANT SYSTEM INOPERABLE
82-012/03L-0	02/11/82	03/04/82	HIGH PRESSURE COOLANT INJECTION AUXILIARY OIL PUMP FAILED TO PERFORM
82-013/03L-0	02/13/82	03/02/82	AVERAGE POWER RANGE MONITORS HAD NOT BEEN ADJUSTED
82-014/03L-0	02/13/82	03/02/82	REACTOR HIGH PRESSURE SWITCH 1B31-N018A OUT OF CALIBRATION
82-015/03L-0	02/10/82	02/25/82	PLANT SERVICE WATER PUMP 1P41-C001C TAKEN OUT OF SERVICE
82-016/03L-0	02/13/82	03/02/82	SAMPLE PUMP FOR FISSION PRODUCT MONITORS INOPERABLE
82-017/03L-0	02/18/82	03/04/82	DRYWELL HYDROGEN OXYGEN ANALYZER OUT OF CALIBRATION

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

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: STEVE BETHAY (912) 367-7781 X 2386

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	22,537.0
13. Hours Reactor Critical	.0	1,162.0	16,459.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,097.7	15,661.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	1,975,662	33,805,286
18. Gross Elec Ener (MWH)	0	638,260	11,010,770
19. Net Elec Ener (MWH)	-2,701	601,608	10,482,133
20. Unit Service Factor	.0	50.8	69.5
21. Unit Avail Factor	.0	50.8	69.5
22. Unit Cap Factor (MDC Net)	.0	36.1	60.3
23. Unit Cap Factor (DER Net)	.0	35.5	59.3
24. Unit Forced Outage Rate	.0	8.2	9.4
25. Forced Outage Hours	.0	97.9	1,627.8

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

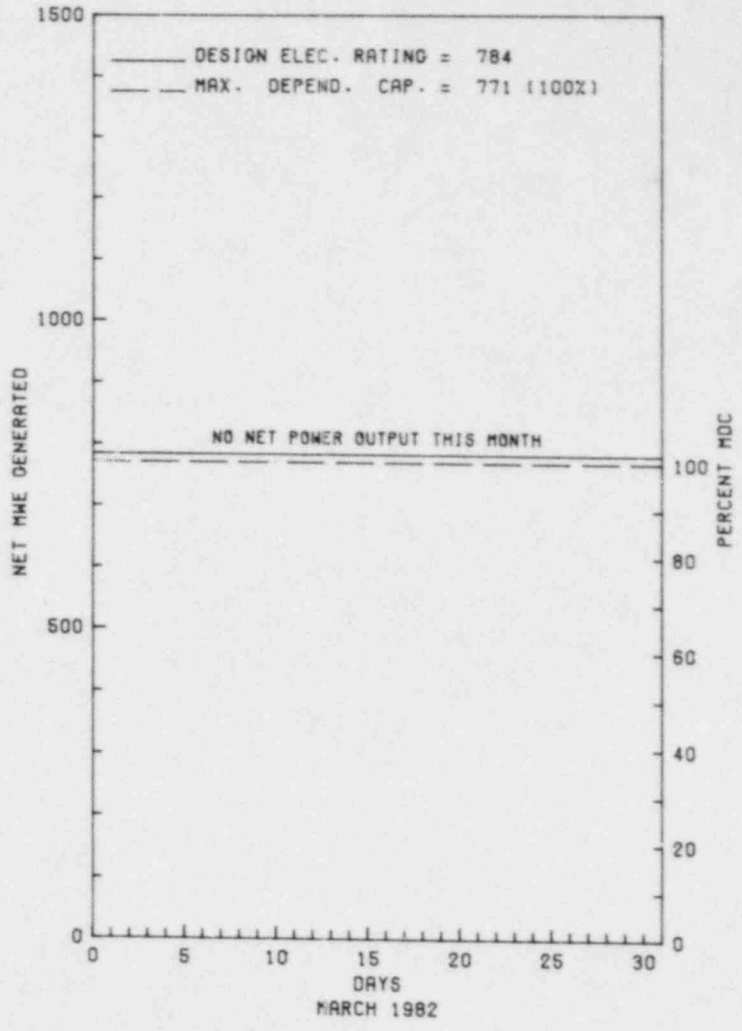
NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

HATCH 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-2	02/19/82	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

SUMMARY

HATCH 2 REMAINED SHUTDOWN IN A CONTINUING REFUEING 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 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. ROGERS

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-366

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

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PARKER STREET
BAXLEY, GEORGIA 31513

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 8-11 (82-04): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAIN STEAM ISOLATION VALVE TESTING AND MAINTENANCE DOCUMENTATION. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 8-12 (82-05): INCLUDED SITE ORIENTATION; SECURITY ORGANIZATION-PERSONNEL; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS-PROTECTED AREA; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ASSESSMENT/SURVEILLANCE AIDS; ENTRY/EXIT CONTROL-PERSONNEL; ENTRY/EXIT CONTROL-PACKAGES; ENTRY/EXIT CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; ALARM STATIONS AND COMMUNICATIONS. THE INSPECTION INVOLVED 18 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A REGULAR SHIFT PERIOD; 3 INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 19 AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: ENTRY/EXIT CONTROL-PERSONNEL - FAILURE TO PROVIDE REQUIRED SEARCHES AT PROTECTED AREA.

INSPECTION MARCH 10-12 (82-10): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREA OF FIRE PROTECTION. OF THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW FIRE PROTECTION IMPLEMENTATION PROCEDURE).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN.

LAST IE SITE INSPECTION DATE: MARCH 10-12, 1982 +

INSPECTION REPORT NO: 50-366/82-11 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-031/03L-0	12/18/81	01/07/82	REFUELING FLOOR VENT EXHAUST RADIATION MONITOR 2D11-K611C DECLARED INOPERABLE
81-104/03L-0	10/28/81	11/24/81	RIGID RESTRAINT ON HIGH PRESSURE COOLANT INJECTION PUMP DISCHARGE BROKEN
81-127/03L-0	12/16/81	01/13/82	DURING TEST DIESEL FAILED AND WAS DECLARED INOPERABLE
81-134/03L-0	12/30/81	01/19/82	WHILE PERFORMING SURVEILLANCE ON DIESEL GENERATOR DIESEL TRIP
82-004/03L-0	01/12/82	01/28/82	LOW ALARM ON CONTROL ROD DRIVE HYDRAULIC CONTROL UNIT 26-47 RECEIVED
82-005/03L-0	01/11/82	02/09/82	FAILURE TO IMPLEMENT SET POINT CHANGE FOR REACTOR CORE ISOLATION COOLING DIFFERENTIAL PRESSURE
82-006/03L-0	01/14/82	02/04/82	REACTOR PRESSURE SHUTDOWN COOLING MODE PRESSURE SWITCH 2B31-N018A OUT OF CALIBRATION

R E P O R T S F R O M L I C E N S E E - (CONTINUED)

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

82-007/03L-0	01/21/82	02/11/82	'B' DRYWELL OXYGEN CONCENTRATION INDICATOR INOPERABLE
82-008/03L-0	01/21/82	02/11/82	CONTROL ROOM CONTROL ROD SCRAM ACCUMULATORS ALARM
82-009/03L-0	01/23/82	02/16/82	NARROW RANGE TORUS LEVEL LOW ALARM OUT OF CALIBRATION
82-011/03L-0	01/25/82	02/16/82	POST ACCIDENT LEVEL RECORDED 2B21-R615 INOPERABLE
82-012/03L-0	01/26/82	02/23/82	DURING SURVEILLANCE HIGH DELTA PRESSURE SIGNAL WOULD NOT CLOSE THROTTLE VALVE ON RCIC SYSTEM
82-013/03L-0	02/14/82	03/04/82	SAMPLE PUMP FOR PRIMARY CONTAINMENT GASEOUS MONITORING SYSTEM INOPERABLE
82-014/03L-0	01/28/82	02/23/82	DRYWELL PERSONNEL AIRLOCK INNERSPACE LEAKING
82-015/03L-0	02/05/82	02/25/82	OUTBOARD MAIN STEAM ISOLATION VALVES 2B21-F028B AND D CLOSED FASTER THAN ALLOWABLE
82-016/03L-0	02/08/82	03/10/82	REACTOR CORE ISOLATION COOLING DELTA PRESSURE INSTRUMENT OUT OF CALIBRATION
82-017/03L-0	02/11/82	02/23/82	DRYWELL TEMPERATURE RECORDER 2T47-R627 INOPERABLE
82-019/03L-0	02/14/82	03/09/82	RESIDUAL HEAT REMOVAL B LOOP MINIMUM FLOW VALVE 2E11-F007B DECLARED INOPERABLE
82-020/03L-0	02/18/82	03/11/82	STANDBY LIQUID CONTROL ACCUMULATOR 2C41-A003B FOUND DEPRESSURIZED

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

2. Reporting Period: 03/01/82 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:

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	67,945.0
13. Hours Reactor Critical	744.0	2,140.2	44,461.6
14. Rx Reserve Shtdwn Hrs	.0	.0	1,527.3
15. Hrs Generator On-Line	744.0	2,128.3	43,239.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,013,835	5,743,527	112,058,102
18. Gross Elec Ener (MWH)	631,310	1,816,270	34,655,586
19. Net Elec Ener (MWH)	606,785	1,744,417	33,029,073
20. Unit Service Factor	100.0	98.5	63.6
21. Unit Avail Factor	100.0	98.5	63.6
22. Unit Cap Factor (MDC Net)	94.4	93.5	56.5*
23. Unit Cap Factor (DER Net)	93.4	92.5	55.7
24. Unit Forced Outage Rate	.0	1.5	10.0
25. Forced Outage Hours	.0	31.7	4,571.9

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

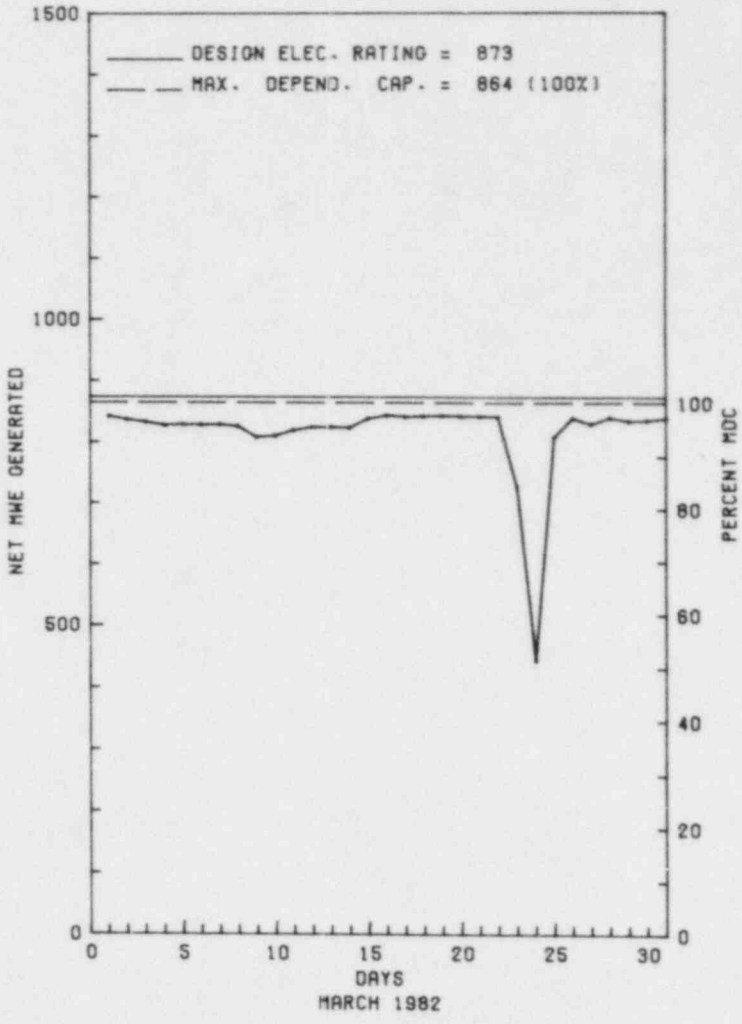
REFUELING OUTAGE, SEPTEMBER 1, 1982.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	03/24/82	S	0.0	B	5		HB	VALVEX	REDUCED LOAD FOR TURBINE STOP VALVE TEST.

SUMMARY

INDIAN POINT 2 OPERATED ROUTINELY DURING MARCH WITH 1 REDUCTION DUE TO TESTING.

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

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

FACILITY DATA

Report Period MAR 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.....T. REBELOWSKI

LICENSING PROJ MANAGER.....J. HANNON
DOCKET NUMBER.....50-247

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-247/82-03 - FEB 1-28: ROUTINE ONSITE, REGULAR AND BACKSHIFT INSPECTION BY THREE RESIDENT INSPECTORS (176 HRS) INCLUDING LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; PLANT TOURS; SURVEILLANCE OBSERVATIONS; SURVEILLANCE OF CORE POWER DISTRIBUTION LIMITS; MINOR SEISMIC DISTURBANCE; FACILITY MAINTENANCE; CONTAINMENT ISOLATION LINEUP; INDEPENDENT LIMITING CONDITIONS FOR OPERATION VERIFICATIONS; OPERABILITY OF ENGINEERED SAFEGUARD FEATURES; SAMPLING PROGRAM REVIEW; RADIOACTIVE WASTE SYSTEM CONTROLS; RADIATION PROTECTION CONTROLS; REFUELING PROGRAM; LICENSEE EVENT REPORT FOLLOWUP; ONSITE LICENSEE EVENT FOLLOWUPS; INCOMPLETE PROCEDURE REVISION; SAFETY SYSTEM CHALLENGES; AND PHYSICAL SECURITY. FIVE VIOLATIONS WERE IDENTIFIED: NON-FUNCTIONAL FIRE BARRIER; FAILURE TO MAINTAIN 47 PSIG IN PORTIONS OF THE WELD CHANNEL AND PENETRATION PRESSURIZATION SYSTEM; FAILURE OF THE BORIC ACID TRANSFER PUMPS TO MEET OPERABILITY CRITERIA; FAILURE TO COMPLY WITH PROTECTIVE CLOTHING REQUIREMENTS; FAILURE TO MEET SECURITY PLAN REQUIREMENTS.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 20.103(A)(3), THE LICENSEE, ON APRIL 29, 1981, DID NOT USE SUITABLE MEASUREMENTS OF CONCENTRATIONS OF AIRBORNE RADIOACTIVE MATERIAL WHILE WORKERS WERE PLACING RADIOACTIVE TRASH IN BOXES AT THE 95' EL AIRLOCK. CONTAMINATION LEVELS WERE UP TO 30,000 DPM/100 CM2 (BETA/GAMMA) AND THE AIR SAMPLER WAS 20-30 FEET AWAY FROM THE WORK AREA.
(8113 4)

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 20.203(B), LICENSEE FAILED TO POST AN ACCESS TO A RADIATION AREA ON APRIL 29, 1981 BETWEEN THE REFUELING WATER STORAGE TANK AND THE PRIMARY AUXILIARY BUILDING (PAB). CONTRARY TO THE REQUIREMENTS OF T.S. 6.11 WHICH REQUIRES THAT RADIATION PROTECTION PROCEDURES BE ADHERED TO, ON APRIL 29, 1981 TWO WORKERS FAILED TO CONTACT THE H.P. PRIOR TO WORKING IN AN AREA. THE WORKERS WERE REQUIRED TO MAKE THE CONTACT AS REQUIRED BY POSTED SIGNS AND HEALTH PHYSICS PROCEDURE NO. 2.1, REV. 3, SECTION 8.2.3.3. ALSO, ONE OF THE WORKERS WAS NOT WEARING A RESPIRATOR AS REQUIRED BY HIS RWP AND RADIATION PROTECTION PROCEDURE NO. 2.1, REV. 3, SECTION 8.1.4.
(8113 5)

CRITERION VI OF 10 CFR 50, APPENDIX B, DOCUMENT CONTROL STATES, "MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS...." STATION ADMINISTRATIVE ORDER (SAO) NO. 102, REVISION 6, IN PARAGRAPHS 2.5.8 AND 2.5.12, STATES IN PART, "HE SHALL ASSURE THAT PROCEDURE DISTRIBUTION LISTS ARE CURRENT AND UPDATED (OR MAKE NEW LIST(S) AND DOCUMENT SAME EACH TIME PROCEDURES ARE DISTRIBUTED. ASSURE THAT THE LATEST APPROVED REVISIONS OF PROCEDURES ARE AVAILABLE AND FOLLOWED AS REQUIRED." CONTRARY TO THE ABOVE, DURING THE INSPECTION PERIOD JANUARY 1-31, 1982, THE INSPECTOR IDENTIFIED INCORRECT REVISIONS TO CONTROLLED PROCEDURES IN THE CENTRAL CONTROL ROOM, WATCH FOREMAN'S OFFICE, NUCLEAR AND CONVENTIONAL OPERATOR'S OFFICES AND THE RADIATION WASTE SUPERVISOR'S OFFICE. THIS IS A SEVERITY LEVEL V VIOLATION, SUPPLEMENT I.
(8201 5)

A. TECH SPEC 3.13.C, PENETRATION FIRE BARRIERS, REQUIRES THAT THE PENETRATION FIRE BARRIER BETWEEN THE PRIMARY AUXILIARY BLDG AND THE ELECTRICAL TUNNEL SHALL BE FUNCTIONAL AT ALL TIMES. IF THE REQUIREMENTS OF 3.13.6 CANNOT BE SATISFIED WITHIN 1 HOUR, A CONTINUOUS FIRE WATCH SHALL BE ESTABLISHED. CONTRARY TO THE ABOVE, ON FEB 22, 1982, THE INSPECTOR OBSERVED TWO OPENINGS IN THE PENETRATION FIRE BARRIER BETWEEN THE PRIMARY AUXILIARY BLDG AND THE ELECTRICAL CABLE TUNNEL. NO FIRE WATCH WAS POSTED IN THE AREA. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I). B. TECH SPEC 3.3.D REQUIRES THAT PORTIONS OF THE 4 WELD CHANNEL AND PENETRATION PRESSURIZATION SYSTEM ZONES BE PRESSURIZED AT OR ABOVE 47 PSIG. CONTRARY TO THE ABOVE ON FEB 24, 1982, FEEDWATER PENETRATION "G" AND STEAM PENETRATION "A" PORTIONS OF THE WELD CHANNEL AND PENETRATION PRESSURIZATION SYSTEM REQUIRED TO BE PRESSURIZED, WERE FOUND ISOLATED AND DEPRESSURIZED. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I). C. HEALTH PHYSICS PROCEDURE HP 2.1, RADIATION WORK PERMIT AND RADIATION WORK AUTHORIZATION, REV 4, SEPT 2, 1981, PARA 8.2, REQUIRES THAT PROTECTIVE CLOTHING SPECIFIED ON ANY POSTED ENTRY REQUIREMENTS SIGN SHALL BE WORN. COMPLIANCE WITH ANY POSTED INSTRUCTION CONCERNING PROTECTIVE MEASURES REQUIRED FOR EACH AREA IS A CONDITION FOR WORK OR ENTRY UNDER A GENERAL ENTRY RWP. CONTRARY TO THE ABOVE, ON FEB 22, 1982, A FIRE WATCH, ASSIGNED TO THE ELECTRICAL CABLE TUNNEL, ENTERED THE AREA WITHOUT THE BENEFIT OF THE PROTECTIVE CLOTHING DESCRIBED ON THE HP SIGN POSTED AT THE ELECTRICAL CABLE TUNNEL ACCESS POINT. D. TECH SPECS, SECTION 3.2, CHEMICAL AND VOLUME CONTROL SYSTEM, REQUIRES THAT TWO BORIC ACID TRANSFER PUMPS SHALL BE OPERABLE. DURING POWER OPERATIONS, ONE BORIC ACID TRANSFER PUMP MAY BE OUT-OF-SERVICE, PROVIDED THE PUMP IS RESTORED TO OPERABLE STATUS WITHIN 48 HRS. CONTRARY TO THE ABOVE, THE LICENSEE'S TEST RESULTS OBTAINED IN ACCORDANCE WITH PROCEDURE PT-M42, REV 1, BORIC ACID PUMPS OPERATIONAL TEST AND INSPECTION, ON APRIL 17, 1981, JUNE 4, 1981, JULY 8, 1981, AND FEB 13, 1982, INDICATE THAT THE PUMPS FAILED TO MEET OPERABILITY CRITERIA SPECIFIED IN PROCEDURE PT-M42. E. FAILURE TO FOLLOW WRITTEN SECURITY PROCEDURE.
(8203 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ RERACKING OF SPENT FUEL PIT IS IN PROGRESS.

MANAGERIAL ITEMS:

OTHER ITEMS

NONE

PLANT STATUS:

100% POWER.

LAST IE SITE INSPECTION DATE: 3/1-31/82 +

INSPECTION REPORT NO: 50-247/82-04 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-003/ 03L	01/19/82	02/18/82	RADIATION MONITOR PUMP INOPERABLE
82-004/ 03L	01/25/82	02/24/82	NO. 22 CHARGING PUMP INOPERABLE
82-005/ 03L	02/06/82	03/08/82	MAIN STEAM ISOLATION VALVE MSI-22 INOPERABLE
82-006/ 03L	02/07/82	03/09/82	NI 43 PERTURBATION
82-007/ 03L	02/17/82	03/19/82	BATTERY CELL FAILURE
82-008/ 03L	02/24/82	03/26/82	ISOLATION OF WELD PENETRATION CHANNELS
82-009/ 01T	03/05/82	03/19/82	BORON INJECTION TK - LOW BLANKET PRESSURE
82-010/ 01T	03/10/82	03/24/82	REQUIREMENTS FOR SAFETY GUARD EQUIPMENT ACTIVATION
82-013/ 03L	02/21/82	03/23/82	HIGH VIBRATION NO. 23 SERVICE WATER PUMP

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1. Docket: 50-286 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: C. Connell (914) 739-8200 x242

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): 926

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	48,961.0
13. Hours Reactor Critical	578.4	1,984.6	34,090.8
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	* 577.8	1,969.4	32,913.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,440,377	5,060,030	84,087,592
18. Gross Elec Ener (MWH)	428,080	1,502,170	26,298,301
19. Net Elec Ener (MWH)	408,702	1,436,036	25,183,443
20. Unit Service Factor	77.7	91.2	67.2
21. Unit Avail Factor	77.7	91.2	67.2
22. Unit Cap Factor (MDC Net)	61.7	74.6	57.7
23. Unit Cap Factor (DER Net)	56.9	68.9	53.3
24. Unit Forced Outage Rate	3.5	2.3	14.3
25. Forced Outage Hours	21.2	45.6	5,481.3

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

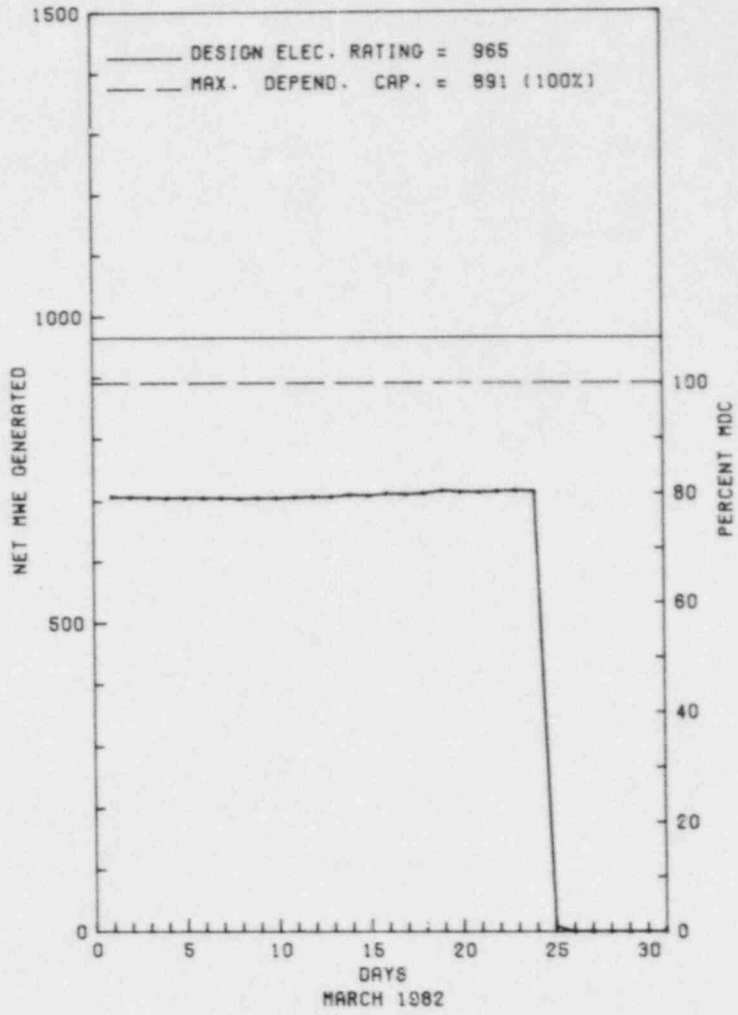
NONE

27. If Currently Shutdown Estimated Startup Date: 06/01/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

INDIAN POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	03/25/82	F	21.2	A	1	82-001	CH	HTEXCH	AT 0147 HOURS THE UNIT WAS REMOVED FROM SERVICE AND PROCEEDED TO A COLD SHUTDOWN CONDITION DUE TO A PRIMARY TO SECONDARY LEAK IN NO. 33 STEAM GENERATOR. PRIOR TO REMOVING THE UNIT FROM SERVICE A LOAD REDUCTION WAS INITIATED AT 2330 HOURS ON MARCH 24, 1982, IN PREPARATION FOR A MANUAL SHUTDOWN.
04	03/25/82	S	145.0	C	1	82-001	RC	FUELXX	AT 2300 HOURS THE UNIT COMMENCED A SCHEDULED CYCLE III-IV REFUELING OUTAGE.

SUMMARY

INDIAN POINT 3 OPERATED ROUTINELY WITH 1 OUTAGE IN MARCH UNTIL THE 25TH, WHEN THE UNIT SHUTDOWN TO REFUEL.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK

COUNTY.....WESTCHESTER

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 6, 1976

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

DATE COMMERCIAL OPERATE....AUGUST 30, 1976

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....HUDSON RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

LICENSING PROJ MANAGER.....J. THOMA
DOCKET NUMBER.....50-286

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-286/82-03 - FEB 16 - MAR 15: ROUTINE RESIDENT ONSITE REGULAR AND BACKSHIFT INSPECTIONS (87 HRS) OF PLANT OPERATIONS INCLUDING SHIFT LOGS AND RECORDS; LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT TOUR; SURVEILLANCE; MAINTENANCE; REVIEW OF MONTHLY REPORTS; AND FOLLOWUP ON IE CIRCULARS AND IE BULLETINS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO MAINTAIN CONTROLLED DOCUMENTS.

ENFORCEMENT SUMMARY

FAILURE TO PROPERLY CLOCK AND ALARM VITAL AREA PORTALS.

(8115 4)

FAILURE TO FOLLOW WRITTEN SECURITY PROCEDURES. FAILURE TO MAINTAIN RECORDS IN ACCORDANCE WITH 10 CFR 73.70. FAILURE TO REPORT A SECURITY EVENT IN ACCORDANCE WITH 10 CFR 73.71. FAILURE TO MAINTAIN REQUIRED ISOLATION ZONE. FAILURE TO PROPERLY SEARCH A VEHICLE PRIOR TO PROTECTED AREA ENTRY.
(8115 5)

10 CFR 50.59 PERMITS THE LICENSEE TO MAKE CHANGES TO THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT WITHOUT PRIOR

ENFORCEMENT SUMMARY

COMMISSION APPROVAL, PROVIDED THE LICENSEE MAINTAINS RECORDS OF THE CHANGES. THESE RECORDS SHALL INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, ON 2/9/82, CHANGES TO THE FACILITY, AS DESCRIBED IN THE SAR, WERE IDENTIFIED FOR WHICH NO WRITTEN SAFETY EVALUATION WAS PREPARED. THESE CHANGES WERE THE ADDITION OF A VALVE IN LINE WITH THE NITROGEN REGULATOR WHICH SUPPLIES THE ISOLATION VALVE SEAL WATER SYSTEM (IVSWS), A TECHNICAL SPECIFICATION REQUIRED SYSTEM. & THE ADDITION Of A 3/8 INCH LINE WHICH CONNECTS THE IVSWS TO THE MAIN NITROGEN HEADER.
(8201 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE UNIT WAS SHUT DOWN ON 3/24/82 BECAUSE OF A PRIMARY TO SECONDARY LEAK OF APPROXIMATELY 1.5 GPM IN #33 STEAM GENERATOR. THE SHUTDOWN CAME 2 DAYS AHEAD OF A SCHEDULED SHUTDOWN TO REFUEL AND AFFECT MAJOR DESIGN CHANGE WORK. ON 3/27/82, THE LICENSEE IDENTIFIED A LEAK IN THE SECONDARY SHELL OF #32 STEAM GENERATOR. THE ORIFICE IS APPROXIMATELY 3/16" IN DIAMETER, AND IS IN THE WELD BETWEEN THE UPPER SHELL AND TRANSITION PIECE. THE LICENSEE IS CURRENTLY ASSESSING THE CAUSES OF THE STEAM GENERATOR LEAKS.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE LICENSEE PLANS TO REPLACE THE CONTAINMENT FAN COOLER UNITS AND 2 OF THE LOW PRESSURE TURBINE ROTORS, ACCOMPLISH TMI MODIFICATIONS, REFUELING AND SCHEDULED MAINTENANCE AND SURVEILLANCE ITEMS. THE OUTAGE IS SCHEDULED FOR FOUR MONTHS.

MANAGERIAL ITEMS:

+ MR. ROBERT ALLEN HAS BEEN APPOINTED TRAINING SUPERINTENDENT. MR. ALLEN IS A FORMER SHIFT SUPERVISOR OF UNIT 3.

PLANT STATUS:

+ THE UNIT IS IN A COLD SHUTDOWN CONDITION, WITH THE LOOPS DRAINED TO ALLOW INSPECTION OF THE PRIMARY SIDE OF ALL STEAM GENERATORS.

LAST IE SITE INSPECTION DATE: 3/29 - 4/2/82 +

INSPECTION REPORT NO: 50-286/82-06 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-305 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): 515

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

MDC GROSS & NET CHANGED FROM 01/04/82 TEST.

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	68,305.0
13. Hours Reactor Critical	744.0	2,160.0	58,162.0
14. Rx Reserve Shtdwn Hrs	.0	.0	2,330.5
15. Hrs Generator On-Line	744.0	2,160.0	56,967.0
16. Unit Reserve Shtdwn Hrs	.0	.0	10.0
17. Gross Therm Ener (MWH)	1,224,649	3,503,308	88,310,242
18. Gross Elec Ener (MWH)	399,200	1,142,300	29,094,700
19. Net Elec Ener (MWH)	381,464	1,090,760	27,691,017
20. Unit Service Factor	100.0	100.0	83.4
21. Unit Avail Factor	100.0	100.0	83.4
22. Unit Cap Factor (MDC Net)	99.6	98.1	77.6*
23. Unit Cap Factor (DER Net)	95.8	94.4	75.8
24. Unit Forced Outage Rate	.0	.0	4.6
25. Forced Outage Hours	.0	.0	2,655.6

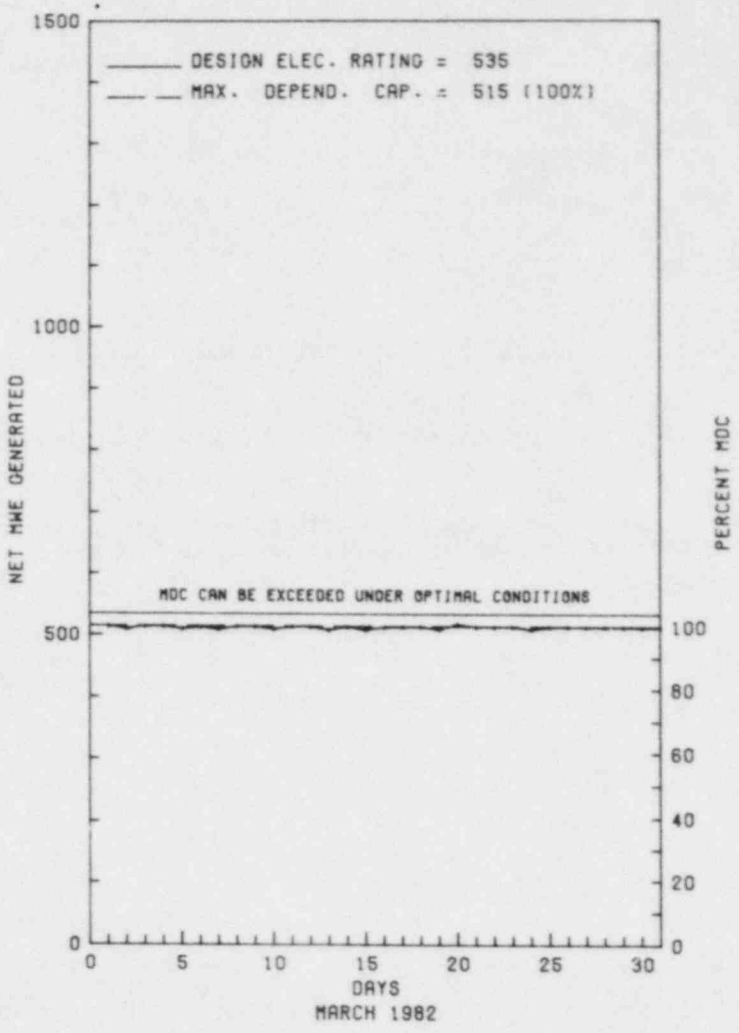
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING SHUTDOWN - APRIL 9, 1982 - 6 WKS.

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

****
* KEWAUNEE *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

KEWAUNEE

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

SUMMARY

KEWAUNEE OPERATED AT FULL POWER DURING MARCH, WITH NO OUTAGES OR REPORTABLE REDUCTIONS.

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

****
* 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.....R. LICCIARDO
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 JANUARY 1-31, (82-01): ROUTINE, RESIDENT INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, INDEPENDENT INSPECTION, HEADQUARTERS REQUESTS, RECEIPT OF NEW FUEL, AND REGIONAL REQUESTS. THE INSPECTION INVOLVED A TOTAL OF 142 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 35 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JANUARY 25-30, (82-03): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 25-28, (82-05): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS TAKEN IN RESPONSE TO HEALTH PHYSICS APPRAISAL FINDINGS, STATUS OF POST-TMI REQUIREMENTS FOR LICENSED REACTORS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED 30 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 4, (82-07): ROUTINE, UNANNOUNCED INSPECTION OF REACTOR COOLANT SYSTEM LEAKAGE DETERMINATION. THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 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:

COASTDOWN TO REFUEL AT 95 PERCENT POWER.

LAST IE SITE INSPECTION DATE: MARCH 4, 1982

INSPECTION REPORT NO: 82-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: L. S. Goodman (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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	108,819.0
13. Hours Reactor Critical	728.2	1,598.7	72,730.0
14. Rx Reserve Shtdwn Hrs	.0	.0	478.0
15. Hrs Generator On-Line	*715.8	1,508.4	67,200.9
16. Unit Reserve Shtdwn Hrs	.0	.0	79.0
17. Gross Therm Ener (MWH)	92,536	189,052	9,184,836
18. Gross Elec Ener (MWH)	26,210	52,542	2,742,400
19. Net Elec Ener (MWH)	24,516	48,601	2,536,593
20. Unit Service Factor	96.2	69.8	61.8
21. Unit Avail Factor	96.2	69.8	61.8
22. Unit Cap Factor (MDC Net)	68.6	46.9	48.6
23. Unit Cap Factor (DER Net)	65.9	45.0	46.6
24. Unit Forced Outage Rate	3.8	30.2	8.1
25. Forced Outage Hours	28.2	651.6	4,935.8

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

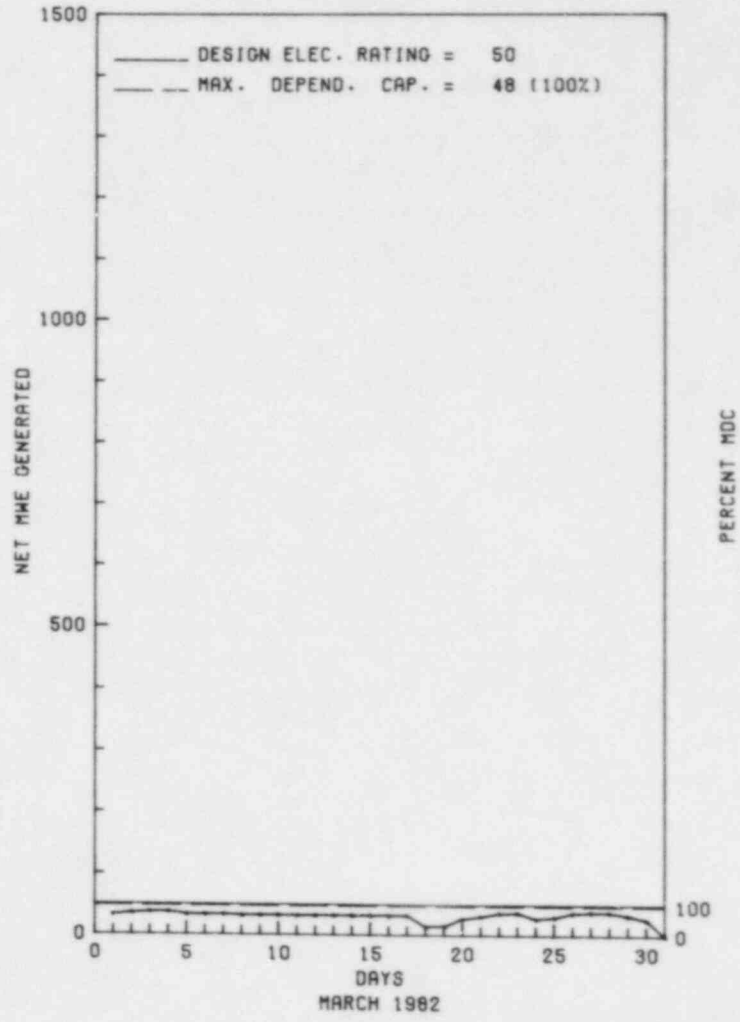
REFUELING OUTAGE APRIL 9, 1982, 7 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 04/05/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

LA CROSSE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-06	03/30/82	F	28.2	H	3		EB	TRANSF	PARTIAL SCRAM OCCURRED AS A RESULT OF ACTUATION OF DEVICE 86G1, GENERATOR TRIPPING RELAY. THIS RELAY WAS ENERGIZED BY RELAY 151 GMT1 CO-6, MAIN POWER TRANSFORMER NEUTRAL GROUND. THE MOST PROBABLE CAUSE OF RELAY 151 ACTION WAS HIGH SURFACE WINDS IN THE DAIRYLAND SYSTEM WHICH CAUSED NUMEROUS 69KV TRANSMISSION LINE BREAKER OPERATIONS. RELAYS AND TRANSFORMER WERE CHECKED.

SUMMARY

LA CROSSE OPERATED ROUTINELY UNTIL MARCH 30TH, WHEN THE UNIT ENCOUNTERED A GENERATOR TRIP AND REMAINED OFFLINE THE REST OF THE MONTH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967

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

DATE COMMERCIAL OPERATE....NOVEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER

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

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

NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS

CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY

TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....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

INSPECTION ON JANUARY 27-28 AND FEBRUARY 9, (82-01): SPECIAL, ANNOUNCED INSPECTION AND TESTING OF THE PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM. INSPECTION INVOLVED 13 INSPECTOR-HOURS ON-SITE AND IN-OFFICE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 10, (82-02): ROUTINE ANNOUNCED INSPECTION OF THE LACROSSE BOILING WATER REACTOR EMERGENCY EXERCISE INVOLVING OBSERVATION OF KEY FUNCTIONS OF THE EMERGENCY OPERATIONS FACILITY AND THE TECHNICAL SUPPORT CENTER DURING THE EXERCISE. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. ADEQUATE FUNCTIONING OF THE EMERGENCY OPERATIONS FACILITY AND THE TECHNICAL SUPPORT CENTER WAS DEMONSTRATED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT OPERATING AT 78 PERCENT POWER. EXTENDING FUEL DEPLETION.

LAST IE SITE INSPECTION DATE: FEBRUARY 10, 1982

INSPECTION REPORT NO: 82-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-02/ 03L-0	01/21/82	02/19/82	THE CONTAINMENT BLDG. FIRE DET. ZONE WAS PLACED IN BYPASS DUE TO SPURIOUS ALARMS.
82-03/ 03L-0	03/13/82	03/23/82	MANOMETER WAS READ INCORRECTLY DURING TYPE B LEAKAGE TEST ON PERSONNEL AIRLOCK.

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: ANNE DOYLE (617) 872-8100

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	82,332.6
13. Hours Reactor Critical	202.5	1,597.2	66,505.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	157.6	1,542.6	64,253.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	539,328	3,776,252	139,869,482
18. Gross Elec Ener (MWH)	108,660	1,225,150	45,894,900
19. Net Elec Ener (MWH)	102,988	1,167,062	43,610,327
20. Unit Service Factor	21.2	71.4	78.0
21. Unit Avail Factor	21.2	71.4	78.0
22. Unit Cap Factor (MDC Net)	17.1	66.7	68.0*
23. Unit Cap Factor (DER Net)	16.8	65.5	65.9*
24. Unit Forced Outage Rate	20.9	4.5	7.0
25. Forced Outage Hours	41.7	72.7	3,936.0

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

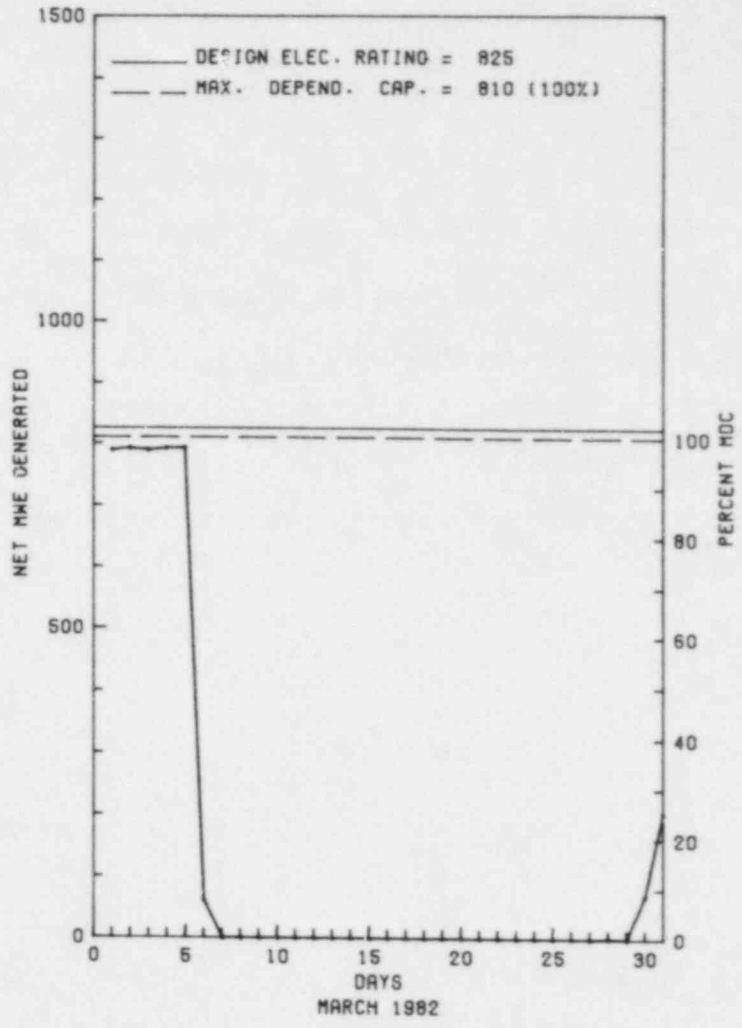
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

MAINE YANKEE

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-6	03/06/82	S	544.7	B	1				MANUAL SHUTDOWN FOR SCHEDULED MAINTENANCE.
82-6	03/28/82	F	41.7	B	1		HH	HTEXCH	MANUAL SHUTDOWN OF TURBINE DUE TO HIGH CL LEVELS IN THE CONDENSER.

SUMMARY

MAINE YANKEE 1 OPERATED WITH 2 OUTAGES ON THE 7TH AND 28TH 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)

****
* 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.....C. NELSON
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

+ 50-309/81-08 - MAR 18-19: SPECIAL, ANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (35 HRS) TO REVIEW THE CIRCUMSTANCES INVOLVING A VIOLATION OF ACCESS CONTROL PROCEDURES. ONE VIOLATION WAS IDENTIFIED: FAILURE TO COMPLY WITH ACCESS CONTROL REQUIREMENTS.

+ 50-309/82-02 - FEB 1-4: ROUTINE UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (34 HRS) OF THE PLANT'S FIRE PROTECTION/PREVENTION PROGRAM INCLUDING: IMPLEMENTATION OF ADMINISTRATIVE PROCEDURES; FIRE BRIGADE TRAINING; OBSERVATION OF IGNITION SOURCE AND COMBUSTIBLE MATERIAL CONTROL; REVIEW AND OBSERVATION OF FIRE PROTECTION SYSTEMS MODIFICATIONS; REVIEW OF SURVEILLANCE TEST RECORDS ASSOCIATED WITH FIRE PROTECTION SYSTEMS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

A SENIOR REACTOR OPERATOR WAS GRANTED ACCESS TO THE PROTECTED AREA VIA THE MAIN GATEHOUSE AND THEN ENTERED A VITAL AREA WITHOUT HIS IDENTIFICATION PICTURE BADGE AND CARD-KEY.
(8108 3)

FAILURE TO PROVIDE SECURITY PERSONNEL WITH PORTABLE COMMUNICATIONS CAPABILITIES AS REQUIRED BY SECRITY PLAN.
(8128 5)

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION II, QUALITY ASSURANCE PROGRAM, REQUIRES THAT THE QA PROGRAM BE DOCUMENTED BY WRITTEN POLICIES AND CARRIED OUT THROUGHOUT PLANT LIFE IN ACCORDANCE WITH THOSE POLICIES. A NUMBER OF SECTIONS OF THE OQAP REQUIRE THAT THE OPERATIONAL QUALITY ASSURANCE DEPARTMENT CONDUCT QA SURVEILLANCE OF THE SPECIFIED ACTIVITIES. CONTRARY TO THE ABOVE, UP TO NOVEMBER 6, 1981, THE OQAD HAD NOT ESTABLISHED OR IMPLEMENTED QA SURVEILLANCE OF THE FOLLOWING ACTIVITIES: -- CONTROLS AND ISSUANCE OF MATERIALS, PARTS AND COMPONENTS COVERED BY THE OQAD, -- CONTROL OF SPECIAL PROCESSES, AND -- HANDLING, STORAGE AND SHIPPING OF MATERIALS, PARTS AND COMPONENTS.
(8131 4)

10 CFR 50, APPENDIX B, CRITERION X, INSPECTION REQUIRES THAT AN INSPECTION PROGRAM BE ESTABLISHED AND EXECUTED BY THE ORGANIZATION PERFORMING THE ACTIVITY. THE MAINE YANKEE ATOMIC POWER COMPANY OPERATIONAL QUALITY ASSURANCE PROGRAM (OQAP) REVISION 1, SECTION II, QA PROGRAM, COMMITS TO CONFORM WITH REGULATORY GUIDE 1.28, REVISION 2, THAT ENDORSES ANSI N45.2-1977, QUALITY ASSURANCE PROGRAM REQUIREMENTS FOR NUCLEAR FACILITIES; AND REGULATORY GUIDE 1.58, REVISION 1 THAT ENDORSES ANSI N45.2.6-1978, QUALIFICATION OF INSPECTION, EXAMINATION, AND TESTING PERSONNEL. ANSI N45.2, SECTION 11, REQUIRES THAT INSPECTIONS BE PERFORMED BY PERSONS OTHER THAN THOSE WHO PERFORMED THE WORK AND THAT THESE PERSONS SHALL NOT REPORT DIRECTLY TO THE IMMEDIATE SUPERVISORS RESPONSIBLE FOR THE WORK. ANSI N45.2.6 REQUIRES THAT THE PERSON PERFORMING NDE BE APPROPRIATELY CERTIFIED. FURTHER, THE OQAP, SECTION X, REQUIRES THE OPERATIONAL QUALITY ASSURANCE DEPARTMENT (OQAD) TO REVIEW THE QUALIFICATIONS OF THE PERSON PERFORMING NDE. CONTRARY TO THE ABOVE ON JULY 19, 1981: -- THE NDE INSPECTOR WHO PERFORMED THE LIQUID PENETRANT TEST ON THE WELD ASSOCIATED WITH MAINTENANCE REQUEST 1436-81 REPORTED TO THE SAME IMMEDIATE SUPERVISOR AS THE WELDER. -- THE NDE INSPECTOR'S CERTIFICATION HAD EXPIRED IN JANUARY, 1980. -- THE NDE INSPECTOR'S QUALIFICATIONS HAD NOT BEEN REVIEWED BY THE OQAD. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I).
(8131 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ AN ENVIRONMENTALLY INDUCED INTERGRANULAR STRESS CORROSION CAUSED THE FAILURE OF 6 OF 20 STUDS ON A STEAM GENERATOR PRIMARY MANWAY. ALL THE STUDS IN THAT MANWAY WERE REPLACED. NONE OF THE OTHER STEAM GENERATOR MANWAYS WERE AFFECTED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT WAS SHUTDOWN 3/5/82 FOR ROUTINE MAINTENANCE AND MODIFICATIONS. POWER OPERATION RESUMED ON 3/30/82.

LAST IE SITE INSPECTION DATE: 3/9-12/82 +

INSPECTION REPORT NO: 50-309/82-04 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-004/ 03L	02/08/82	02/23/82	CHANNEL "B" LOW FLOW BISTABLE FAILED TO TRIP DUE TO A FAILURE IN THE 15 VOLT POWER SUPPLY
82-005/ 01T	03/10/82	03/24/82	SIX PRIMARY MANWAY STUDS BROKEN WHILE REMOVING THE MANWAY
82-006/ 03L	02/17/82	03/11/82	TWO 5/8 INCH STUDS BROKEN IN THE DISASSEMBLY PROCESS OF A SFP COOLING PUMP DISCHARGE VALVE
82-007/ 03L	03/03/82	03/17/82	"A" TRAIN DIESEL GENERATOR AIR MOTOR DRIVE PINIONS FAILED TO DISENGAGE THE FLYWHEEL RING GEAR
82-008/ 03L	03/05/82	03/18/82	AUXILIARY FEEDWATER FLOW INDICATION FAILED
82-009/ 03L	03/08/82	03/19/82	CONTROL ROOM VENTILATION MOV FAILED TO CLOSE
82-010/ 03L	03/09/82	03/23/82	PRIMARY VENT STACK SAMPLE FILTERS TAGGED OUT

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1. Docket: 50-369 OPERATING STATUS
2. Reporting Period: 03/01/82 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): 1220
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 HAVEN'T BEEN PERMANENTLY ESTABLISH
10. Power Level To Which Restricted, If Any (Net MWe): NONE
11. Reasons for Restrictions, If Any:
NONE

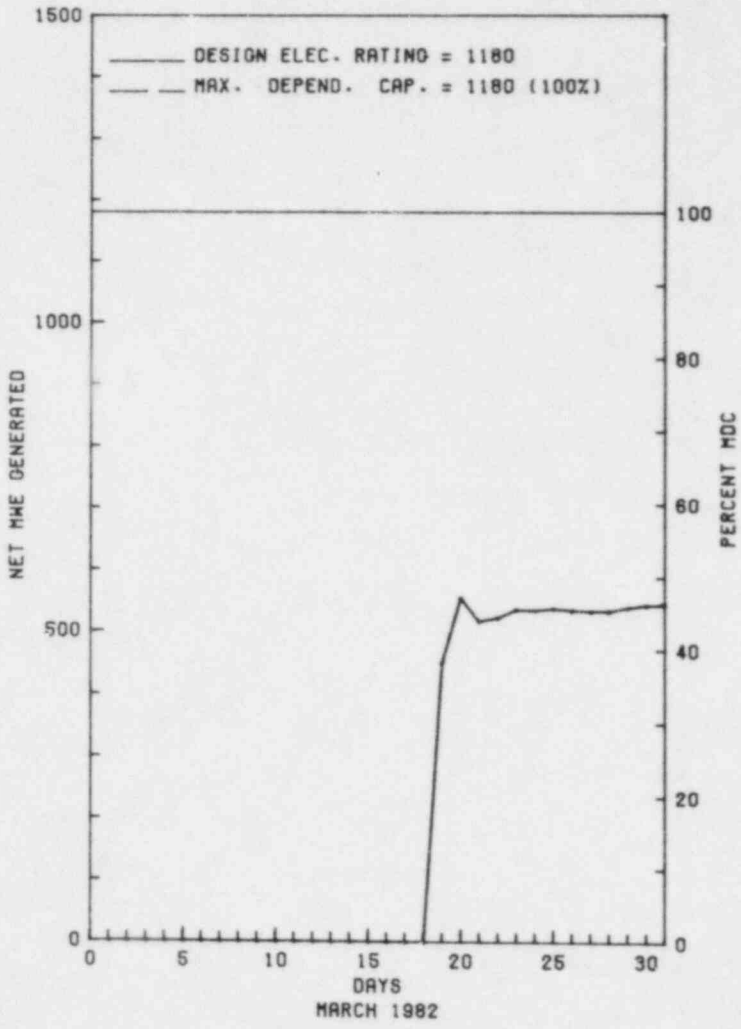
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	2,904.0
13. Hours Reactor Critical	315.9	1,583.0	1,628.7
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	312.8	1,567.6	1,613.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	530,357	2,858,574	2,943,529
18. Gross Elec Ener (MWH)	176,700	959,591	988,027
19. Net Elec Ener (MWH)	160,576	893,029	912,085
20. Unit Service Factor	42.0	72.6	55.6
21. Unit Avail Factor	42.0	72.6	55.6
22. Unit Cap Factor (MDC Net)	18.3	35.0	26.6
23. Unit Cap Factor (DER Net)	18.3	35.0	26.6
24. Unit Forced Outage Rate	58.0	27.4	44.4
25. Forced Outage Hours	431.2	592.4	1,290.7

26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
EDDY DURRENT TESTING - JUNE 18 - 3 WEEKS.
27. If Currently Shutdown Estimated Startup Date: N/A

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



Report Period MAR 1982 **UNIT SHUTDOWNS / REDUCTIONS** MCGUIRE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9A	02/26/82	F	431.2	B	4		CB	HTEXCH	EDDY CURRENT INSPECTION OF STEAM GENERATOR TUBES IN PROGRESS.
5-P	03/20/82	F	0.0	B	5		ZZ	ZZZZZZ	HOLDING AT 75% POWER TO COMPLETE STEAM GENERATOR FLOW TEST READINGS.
6-P	03/20/82	F	0.0	H	5		CB	HTEXCH	REDUCED TO 50% POWER AWAITING FURTHER ANALYSIS OF STEAM GENERATOR CONDITION.

SUMMARY MCGUIRE 1 RETURNED ONLINE MARCH 19TH FROM A CONTINUING MAINTENANCE OUTAGE AND OPERATED WITH 2 REDUCTIONS DURING THE REMAINDER OF MARCH.

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

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

FACILITY DATA

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.....P. BEMIS

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

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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 16-19 (82-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREA OF RADIOLOGICAL ENVIRONMENTAL MONITORING INCLUDING MANAGEMENT CONTROLS; IMPLEMENTATION OF THE ENVIRONMENTAL MONITORING PROGRAM; REVIEW OF LICENSEE INTERLABORATORY COMPARISON PROGRAM; ASSESSMENT OF LICENSEE'S RESPONSE TO NRC BULLETIN 81-03; REVIEW OF LICENSEE'S PROGRAM FOR QUALITY CONTROL OF ANALYTICAL MEASUREMENTS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 16 (82-05): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 23 - FEBRUARY 23 (82-07): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 160 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY, SAFETY SYSTEM CHALLENGES, MAINTENANCE SURVEILLANCE, PROCEDURES, AND INDEPENDENT INSPECTION. OF THE SIX AREAS INSPECTED, 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:

NONE.

LAST IE SITE INSPECTION DATE: FEBRUARY 24 - MARCH 8, 1982 +

INSPECTION REPORT NO: 50-369/82-08 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-091/03L-0	12/15/81	01/18/82	EIGHT SUCCESSFUL ATTEMPTS TO COMPLETE 24 HOUR RUN ON DIESEL GENERATOR
81-092/03L-0	12/22/81	01/21/82	WELDS MAY NOT MEET FLUSH REQUIREMENTS OF ASME
81-194/03L-0	12/30/81	01/29/82	FIRE PUMP C INOPERABLE
82-001/01T-0	01/06/82	01/20/82	NON-SEISMIC PIPING LOCATED ABOVE NUCLEAR SAFETY RELATED EQUIPMENT IN DIESEL GENERATOR ROOM 1A
82-002/03L-0	01/01/82	02/01/82	UNEXPLAINED SAFETY RELIEF VALVE AND POWER OPERATED RELIEF VALVE HIGH DISCHARGE TEMPERATURE
82-003/03L-0	01/02/82	02/01/82	AVERAGE AIR TEMPERATURE IN UPPER CONTAINMENT DECREASED BELOW MINIMUM REQUIREMENTS
82-004/03L-0	01/03/82	02/02/82	POWER OPERATED RELIEF VALVE NC-32 LEAKING

REPORTS FROM LICENSEE - (CONTINUED)

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

82-006/ 03L-0	01/06/82	02/05/82	AUXILIARY FEEDWATER FLOW GAUGE ON REMOTE SHUTDOWN CONTROL PANEL INOPERABLE
82-007/ 03L-0	02/16/82	02/16/82	ENGINEERING SAFETY FEATURES ACTUATION AND REACTOR TRIP FROM COLD WEATHER
82-008/ 03L-0	01/15/82	02/12/82	FAILURE TO TAKE REQUIRED SAMPLES FROM FUEL POOL VENTILATION SYSTEM CHARCOAL ABSORBER
82-009/ 03L-0	01/16/82	02/19/82	TESTING OF DIESEL GENERATOR BATTERY NOT PERFORMED
82-010/ 03L-0	01/20/82	02/19/82	CONTINUING FAILURE OF DIGITAL ROD POSITION INDICATION
82-011/ 03L-0	01/20/82	02/19/82	SNUBBER REMOVED FROM SPENT FUEL POOL COOLING LINE
82-012/ 03L-0	01/19/82	02/19/82	FIRE SUPPRESSION WATER SYSTEM INOPERABLE
82-013/ 03L-0	01/26/82	02/25/82	A PREVENTATIVE MAINTENANCE DOCUMENTATION ERROR LED TO PERFORMANCE OF MAINTENANCE DURING OPERATION
82-016/ 03L-0	02/11/82	03/12/82	PIVOT PIN MISSING FROM CONTRIFUGAL CHARGING PUMP 1B HANGER

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

2. Reporting Period: 03/01/82 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): 595

11. Reasons for Restrictions, If Any:

MAIN TURBINE COMPLETE 14TH STAGE REMOVAL.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	99,384.0
13. Hours Reactor Critical	744.0	2,135.0	73,389.4
14. Rx Reserve Shtdwn Hrs	.0	.0	2,775.8
15. Hrs Generator On-Line	744.0	2,130.0	70,773.7
16. Unit Reserve Shtdwn Hrs	.0	.0	26.5
17. Gross Therm Ener (MWH)	1,488,415	4,216,931	127,252,015
18. Gross Elec Ener (MWH)	466,000	1,322,000	42,783,996
19. Net Elec Ener (MWH)	443,775	1,258,057	40,806,880
20. Unit Service Factor	100.0	98.6	71.2
21. Unit Avail Factor	100.0	98.6	71.2
22. Unit Cap Factor (MDC Net)	91.2	89.1	62.8
23. Unit Cap Factor (DER Net)	90.4	88.2	62.2
24. Unit Forced Outage Rate	.0	1.4	15.8
25. Forced Outage Hours	.0	30.0	5,'19.6

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

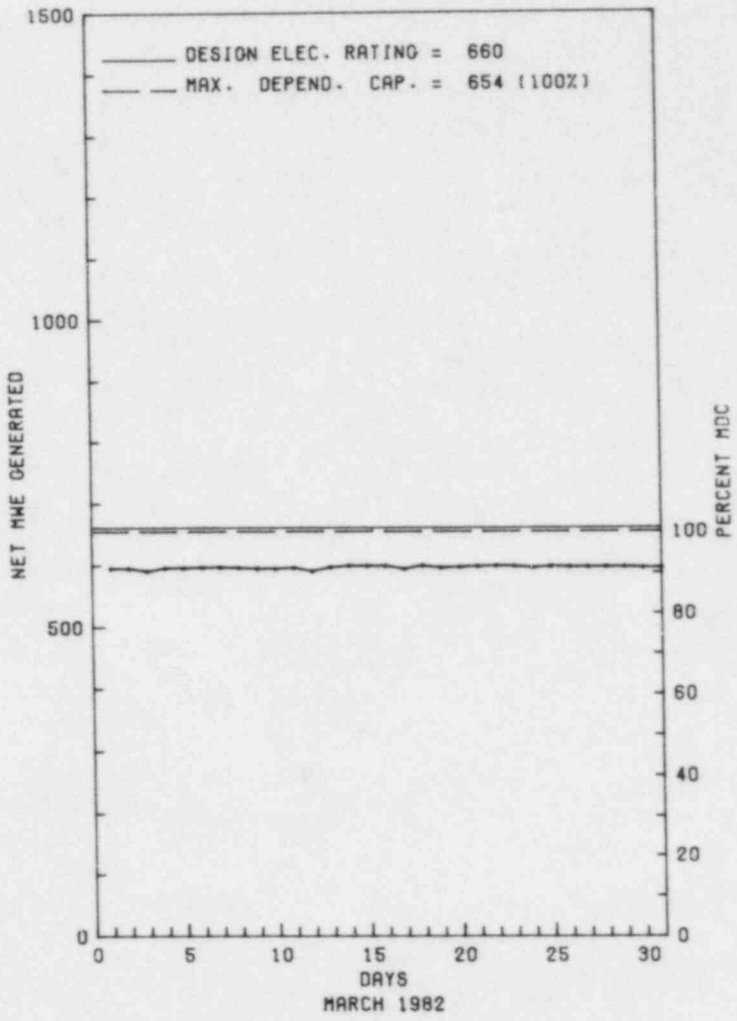
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



Report Period MAR 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 ROUTINELY DURING MARCH.

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

PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-245/81-10 - JUN 1-4: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (12 HRS) OF TRANSPORTATION ACTIVITIES INCLUDING: MANAGEMENT CONTROLS; SELECTION OF PACKAGES; PREPARATION OF PACKAGES FOR SHIPMENT; DELIVERY OF COMPLETED PACKAGES TO CARRIER; RECEIPT OF PACKAGES; INCIDENT REPORTING; INDOCTRINATION AND TRAINING PROGRAM; AUDIT PROGRAM; AND RECORDKEEPING. NO VIOLATIONS WERE IDENTIFIED.

+ 50-245/82-06 - MAR 1-4: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (14 HRS) OF THE QUALITY ASSURANCE PROGRAM (ANNUAL REVIEW) AND THE QA/QC ADMINISTRATION PROGRAM. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 30.41 PROHIBITS TRANSFER OF BYPRODUCT MATERIAL UNLESS IT IS IN A FORM AUTHORIZED BY THE RECIPIENT'S NRC OR AGREEMENT STATE LICENSE. SOUTH CAROLINA LICENSE NO. 097, AN AGREEMENT STATE LICENSE ISSUED TO CHEM-NUCLEAR SYSTEMS, INC., PROHIBITS THE RECEIPT OF SOLIDIFIED WASTE WITH "DETECTABLE FREE STANDING LIQUID" WHICH IS DEFINED IN THE LICENSE AS LIQUID IN EXCESS OF 0.5 PERCENT OF WASTE VOLUME FOR DRUMS, WHICH CORRESPONDS TO 0.275 GALLONS PER 55-GALLON DRUM. CONTRARY TO THE ABOVE, ON SEPTEMBER 29, 1981, A WASTE SHIPMENT OF BYPRODUCT MATERIAL CONTAINING 12.08 CURIES OF SOLIDIFIED EVAPORATOR BOTTOMS WAS TRANSFERRED TO CHEM-NUCLEAR SYSTEMS, INC. AT BARNWELL, SOUTH CAROLINA WITH DETECTABLE FREE STANDING LIQUID (FROM 0.5 TO 3.5 GALLONS) IN EACH OF THREE 55

ENFORCEMENT SUMMARY

GALLON DRUMS IN THE SHIPMENT.
(8115 4)

TECHNICAL SPECIFICATION 3.1 REQUIRES A MINIMUM NUMBER OF TWO OPERABLE MAIN TURBINE FAST CLOSURE SENSING CHANNELS IN EACH OF TWO TRIP SYSTEMS. IN THE ABSENCE OF THE REQUIRED NUMBER OF OPERABLE INSTRUMENT CHANNELS IN A SINGLE TRIP SYSTEM, THAT TRIP SYSTEM IS TO BE TRIPPED. CONTRARY TO THE ABOVE, THE REACTOR WAS OPERATED AT FULL POWER IN THE "RUN" MODE WITH ONE OF TWO MAIN TURBINE FAST CLOSURE SENSING PRESSURE SWITCHES IN A TRIP SYSTEM VALVED OUT AND THAT TRIP SYSTEM UNTRIPPED FROM 0850 TO 1850 ON NOVEMBER 17, 1981. AT THAT TIME, THE AFFECTED TRIP SYSTEM AUTOMATICALLY TRIPPED.
(8116 4)

TECHNICAL SPECIFICATION 6.81 AND REGULATORY GUIDE 1.33 DATED NOVEMBER 3, 1972, REQUIRE WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED FOR SURVEILLANCE TESTING REACTOR PROTECTIVE SYSTEMS FOR BOILING WATER REACTORS. STATION PROCEDURE SP408G "TURBINE CONTROL VALVE FAST CLOSURE FUNCTIONAL TEST/CALIBRATION REVISION 2 REQUIRES THAT THE ISOLATION VALVE TO PRESSURE SWITCH PS-39 BE OPENED AFTER TESTING AND SUBSEQUENTLY TO BE CHECKED OPEN. CONTRARY TO THE ABOVE, AT 0850 ON NOVEMBER 19, 1981, WHILE CONDUCTING SURVEILLANCE ON THE MAIN TURBINE CONTROL VALVE FAST CLOSURE RPS TRIP, PRESSURE SWITCH PS-39 WAS ISOLATED AND REMAINED ISOLATED UNTIL 2020 ON NOVEMBER 17, 1981.
(8116 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ EMERGENCY PLANNING DRILL WAS CONDUCTED MARCH 19; OFFSITE AGENCIES PARTICIPATED.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ FULL POWER OPERATION THROUGH THE MONTH. REPRESENTATIVE OFFGAS AND STACK RELEASE RATES ARE 60,000 MICROCURIES PER SECOND AND 240 MICROCURIES PER SECOND, RESPECTIVELY.

LAST IE SITE INSPECTION DATE: 3/18-20/82 +

INSPECTION REPORT NO: 50-245/82-07 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-004/ 03L	02/12/82	03/12/82	ISOLATION CONDENSER CONDENSATE RETURN VALVE INOPERABLE
82-005/ 01T	02/24/82	03/10/82	GENERAL ELECTRIC HFA RELAY FAILED
82-006/ 03L	02/12/82	03/12/82	CLOSURE TIME FOR 4 OF 8 MAIN STEAM ISOLATION VALVES FOUND TO BE OUTSIDE TECHICAL SPECIFICATION LIMITS

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1. Docket: 50-336 OPERATING STATUS

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: G. H. HOWLETT (203) 447-1791 X4417

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1011 X 0.9 = 910

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	54,912.0
13. Hours Reactor Critical	484.0	484.0	39,070.9
14. Rx Reserve Shtdwn Hrs	.0	.0	2,076.9
15. Hrs Generator On-Line	373.0	373.0	37,374.5
16. Unit Reserve Shtdwn Hrs	.0	.0	468.2
17. Gross Therm Ener (MWH)	808,939	808,939	93,224,886
18. Gross Elec Ener (MWH)	265,650	265,650	30,267,147
19. Net Elec Ener (MWH)	248,388	241,859	28,995,536
20. Unit Service Factor	50.1	17.3	68.1
21. Unit Avail Factor	50.1	17.3	68.9
22. Unit Cap Factor (MDC Net)	38.6	13.0	63.5*
23. Unit Cap Factor (DER Net)	38.4	12.9	62.5*
24. Unit Forced Outage Rate	6.0	6.0	20.5
25. Forced Outage Hours	24.0	24.0	8,378.0

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

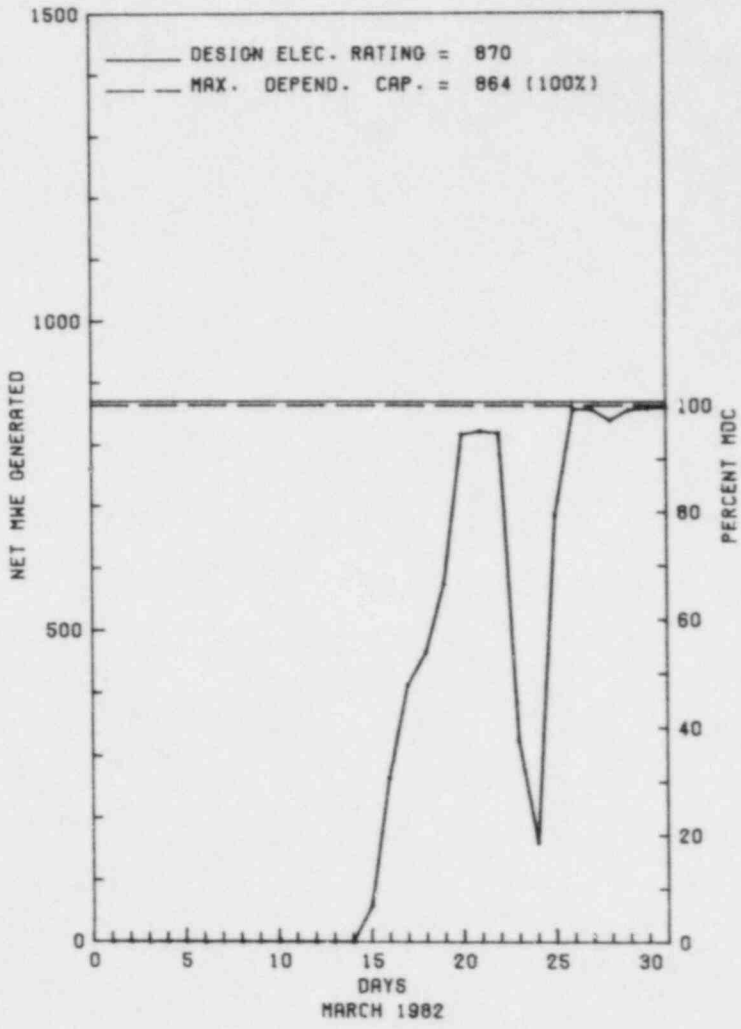
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	12/05/81	S	347.0	C	1				COMPLETION OF REFUEL AND MAINTENANCE OUTAGE.
1	03/23/82	F	24.0	H	3		IA	INSTRU	REACTOR PROTECTION SYSTEM TRIP (TM/LP) FROM NOISE INDUCED SIGNALS. NOISE PROBLEM WAS CORRECTED AND POWER OPERATION RESUMED VIA NORMAL OPERATING PROCEDURES.
2	03/28/82	S	0.0	B	5		IA	INSTRU	REDUCED POWER TO 95% TO CLEAN CONDENSER WATER BOXES.

****
* SUMMARY *
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MILLSTONE 2 RETURNED ONLINE MARCH 15TH FROM A CONTINUING REFUELING AND MAINTENANCE OUTAGE AND OPERATED ROUTINELY FOR THE REMAINDER OF MARCH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT

COUNTY.....NEW LONDON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 17, 1975

DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1975

DATE COMMERCIAL OPERATE....DECEMBER 26, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LONG ISLAND SOUND

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....J. SHEDLOSKY

LICENSING PROJ MANAGER.....E. CONNER
DOCKET NUMBER.....50-336

LICENSE & DATE ISSUANCE....DPR-65, SEPTEMBER 30, 1975

PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-336/81-09 - JUN 1-4: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (12 HRS) OF TRANSPORTATION ACTIVITIES INCLUDING: MANAGEMENT CONTROLS; SELECTION OF PACKAGES; PREPARATION OF PACKAGES FOR SHIPMENT; DELIVERY OF COMPLETED PACKAGES TO CARRIER; RECEIPT OF PACKAGES; INCIDENT REPORTING; INDOCTRINATION AND TRAINING PROGRAM; AUDIT PROGRAM; AND RECORDKEEPING. NO VIOLATIONS WERE IDENTIFIED.

+ 50-336/82-03 - JAN 11-15: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (31 HRS) OF REFUELING OPERATIONS, OUTAGE-RELATED MAINTENANCE AND BACKSHIFT OPERATIONS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW A WRITTEN INSTRUCTION.

+ 50-336/82-08 - MAR 1-4: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (14 HRS) OF THE QUALITY ASSURANCE PROGRAM (ANNUAL REVIEW) AND THE QA/QC ADMINISTRATION PROGRAM. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 30.41 PROHIBITS TRANSFER OF BYPRODUCT MATERIAL UNLESS IT IS IN A FORM AUTHORIZED BY THE RECIPIENT'S NRC OR AGREEMENT STATE LICENSE. SOUTH CAROLINA LICENSE NO. 097, AN AGREEMENT STATE LICENSE ISSUED TO CHEM-NUCLEAR SYSTEMS, INC., PROHIBITS THE RECEIPT OF SOLIDIFIED WASTE WITH "DETECTABLE FREE STANDING LIQUID" WHICH IS DEFINED IN THE LICENSE AS LIQUID IN EXCESS OF 0.5 PERCENT BY

ENFORCEMENT SUMMARY

WASTE VOLUME FOR DRUMS, WHICH CORRESPONDS TO 0.275 GALLONS PER 55 GALLON DRUM. CONTRARY TO THE ABOVE, ON SEPTEMBER 29, 1981, A WASTE SHIPMENT OF BYPRODUCT MATERIAL CONTAINING 12.08 CURIES OF SOLIDIFIED EVAPORATOR BOTTOMS WAS TRANSFERRED TO CHEM-NUCLEAR SYSTEMS, INC. AT BARNWELL, SOUTH CAROLINA WITH DETECTABLE FREE STANDING LIQUID (FROM 0.5 TO 3.5 GALLONS) IN EACH OF THREE 55 GALLON DRUMS IN THE SHIPMENT.
(8113 3)

CONTRARY TO MILLSTONE INSTRUCTION MP-2-4987; DATED DECEMBER 4, 1981: - HOUSEKEEPING IN THE REFUELING AREA OF THE CONTAINMENT AND THE SPENT FUEL POOL WAS INADEQUATE IN THAT: THE WHITE PAPER USED TO COVER THE WALKWAYS ON THE REFUELING MACHINE WAS WORN THROUGH, TORN AND SHREDDED. NUMEROUS PIECES OF DISCARDED YELLOW TAPE WERE STUCK TO THE WALLS, FLOOR, AND RAILINGS ADJACENT TO THE REACTOR POOL. THE HERCULITE USED TO COVER THE HANDRAILS AND WALKWAYS WAS TORN. TRASH (INCLUDING A COTTEN GLOVE AND NUMEROUS PIECES OF PAPER) WERE FLOATING IN THE SPENT FUEL POOL. - PERSONNEL DISASSEMBLING STAGING ADJACENT TO, AND ABOVE THE REACTOR POOL; AND PERSONNEL PERFORMING WORK (ON THE UPPER GUIDE STRUCTURE) OVER THE REACTOR POOL, WERE NOT USING LANYARDS ON THEIR TOOLS. - PERSONNEL WORKING ON THE REFUELING MACHINE (OVER THE REACTOR POOL) FAILED TO MAINTAIN A STRICT INVENTORY OF TOOLS. THE TOOL CONTROL INVENTORY LIST, WHICH HAD NOT BEEN UPDATED IN TWO DAYS, INDICATED SOME TOOLS WERE PRESENT WHICH HAD ALREADY BEEN REMOVED FROM THE AREA, AND FAILED TO LIST SOME TOOLS THAT WERE PRESENT ON THE REFUELING MACHINE. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR-65.

(8203 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ ELECTRO-MAGNETIC INTERFERENCE PULSE GENERATED BY A D.C. SOLENOID CAUSED A NOISE SPIKE IN RPS CORE PROTECTION CALCULATORS RESULTING IN A TRIP FROM 100% POWER ON MARCH 23.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ EMERGENCY PLANNING DRILL WAS CONDUCTED MARCH 19; OFFSITE AGENCIES PARTICIPATED.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ A 14 WEEK MAINTENANCE AND REFUELING OUTAGE WAS COMPLETED ON MARCH 11; UNIT AT FULL POWER FROM MARCH 20, EXCEPT FOR A TRIP ON MARCH 23.

LAST IE SITE INSPECTION DATE: 3/18-20/82 +

INSPECTION REPORT NO: 50-336/82-09 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-263 OPERATING STATUS
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	94,249.0
13. Hours Reactor Critical	744.0	1,810.3	76,745.9
14. Rx Reserve Shtdwn Hrs	.0	.0	940.7
15. Hrs Generator On-Line	744.0	1,759.7	74,969.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,223,023	2,840,388	122,522,730
18. Gross Elec Ener (MWH)	412,646	956,665	38,962,042
19. Net Elec Ener (MWH)	397,574	919,267	37,263,028
20. Unit Service Factor	100.0	81.5	79.5
21. Unit Avail Factor	100.0	81.5	79.5
22. Unit Cap Factor (MDC Net)	101.8	81.1	75.3
23. Unit Cap Factor (DER Net)	98.1	78.1	72.5
24. Unit Forced Outage Rate	.0	1.0	6.0
25. Forced Outage Hours	.0	17.4	1,190.9

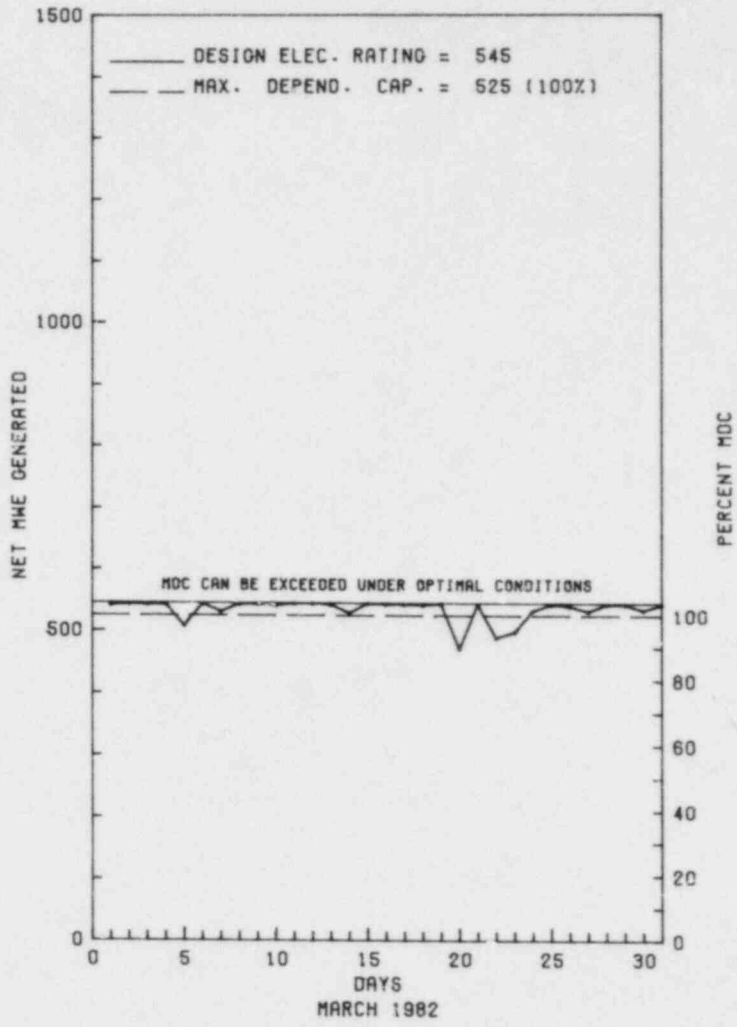
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

SEPTEMBER 4, 1982 - REFUELING OUTAGE - 42 DAYS

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

****
* MONTICELLO *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

MONTICELLO

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

NONE

SUMMARY

MONTICELLO OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....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

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

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 18 THROUGH 29, (82-02): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/ WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR AND AN IN-OFFICE REVIEW 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: JANUARY 18-29, 1982

INSPECTION REPORT NO: 82-02

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-03/ 03L-0	02/12/82	03/12/82	REACTOR WATER CLEANUP INBOARD CONTAINMENT ISOLATION VALVE FAILURE DUE TO ELECTRICAL SHORT.

1. Docket: 50-220 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasors for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	108,816.0
13. Hours Reactor Critical	458.0	1,874.0	81,309.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,204.2
15. Hrs Generator On-Line	456.5	1,872.5	78,562.3
16. Unit Reserve Shtdwn Hrs	.0	.0	20.2
17. Gross Therm Ener (MWH)	834,569	3,421,093	129,374,307
18. Gross Elec Ener (MWH)	285,376	1,169,791	42,743,091
19. Net Elec Ener (MWH)	276,855	1,134,758	41,392,651
20. Unit Service Factor	61.4	86.7	72.2
21. Unit Avail Factor	61.4	86.7	72.2
22. Unit Cap Factor (MDC Net)	61.0	86.1	62.4
23. Unit Cap Factor (DER Net)	60.0	84.7	61.4
24. Unit Forced Outage Rate	25.2	7.6	8.3
25. Forced Outage Hours	154.0	154.0	2,506.7

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

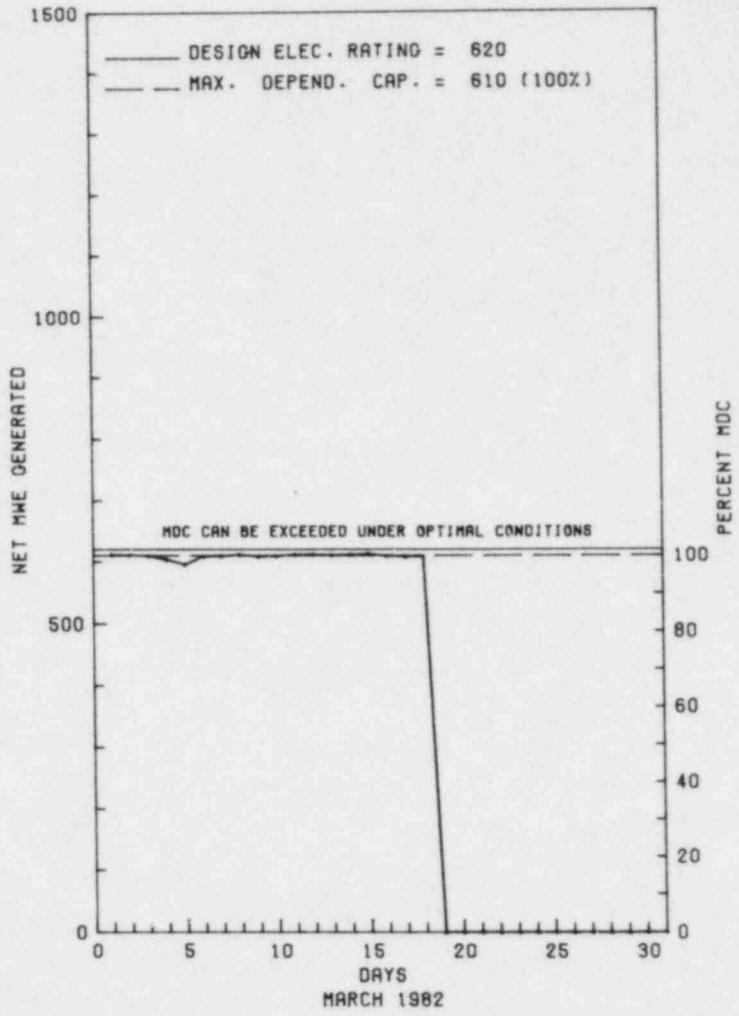
NONE

27. If Currently Shutdown Estimated Startup Date: 03/01/83

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

NINE MILE POINT 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8204	03/04/82	S	0.0	H	5				LOAD REDUCTION TO 94% POWER TO INSERT FLUX SHAPING CONTROL RODS.
8205	03/19/82	S	133.5	B	1				SCHEDULED MAINTENANCE OUTAGE TO REPLACE RECIRC PUMP SEALS.
8206	03/23/82	F	154.0	A	9	82-009			CRACK FOUND IN RECIRC PIPING DURING VESSEL HYDRO PRIOR TO START UP.

SUMMARY

NINE MILE POINT 1 OPERATED ROUTINELY DURING MARCH UNTIL THE 19TH WHEN THE UNIT SHUTDOWN FOR MAINTENANCE AND 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)

****
* 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

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

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-220/82-02 - FEB 8-28: ROUTINE, ONSITE REGULAR AND BACKSHIFT INSPECTIONS BY THE RESIDENT INSPECTORS (91 HRS). AREAS INSPECTED INCLUDED: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, PHYSICAL SECURITY, PLANT TOURS, SURVEILLANCE TESTS, SAFETY SYSTEM VERIFICATION, LICENSEE EVENT REPORTS, LICENSEE ACTION ON BULLETINS AND CIRCULARS, AND PERIODIC REPORTS. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ DURING A REACTOR VESSEL HYDRO ON MARCH 23, 1982, THRU WALL LEAKAGE WAS DETECTED ON 2 RECIRC PUMP NOZZLE SAFE-ENDS. SUBSEQUENT

OTHER ITEMS

UT EXAMINATION DETECTED REPORTABLE INDICATIONS ON A THIRD SAFE-END.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT OPERATED AT FULL POWER UNTIL MARCH 19 WHEN A SCHEDULED MAINTENANCE OUTAGE BEGAN. THE PLANT WILL REMAIN SHUTDOWN UNTIL THE AFFECTED SAFE-ENDS ARE REPAIRED. LICENSEE ESTIMATES A ONE YEAR OUTAGE IF ALL 10 RECIRCULATION SYSTEM SAFE-ENDS ARE REPLACED. IN ADDITION TO SAFE-END REPLACEMENT, LICENSEE IS CONSIDERING THE COMPLETE REPLACEMENT OF ALL RECIRCULATION SYSTEM PIPING. WORKER RADIATION DOSES OF 5000 PERSON-REM ARE ESTIMATED FOR THE SAFE-END WORK.

LAST IE SITE INSPECTION DATE: 3/1 - 4/3/82 +

INSPECTION REPORT NO: 50-220/82-04 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-007/ 04L	02/22/82	03/12/82	LOWER LIMIT OF DETECTION SENSITIVITY (L.L.D.) WAS NOT MET FOR SEVERAL RADIONUCLIDES DURING ANALYSIS OF 11/81 FISH SAMPLES
82-009/ 01P	03/23/82	03/23/82	DURING VESSEL HYDROSTATIC TESTING, WATER WAS OBSERVED FROM THE INSULATION ON #11 RECIRC PIPING DISCHARGE TO RX. VESSEL AND #15 RECIRC PIPING SUCTION FROM RX. VESSEL

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	33,481.0
13. Hours Reactor Critical	744.0	2,138.5	25,966.8
14. Rx Reserve Shtdwn Hrs	.0	21.5	248.4
15. Hrs Generator On-Line	744.0	2,126.2	25,479.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,062,037	5,756,249	66,070,501
18. Gross Elec Ener (MWH)	661,525	1,845,185	21,090,707
19. Net Elec Ener (MWH)	626,064	1,746,367	19,869,283
20. Unit Service Factor	100.0	98.4	76.1
21. Unit Avail Factor	100.0	98.4	76.1
22. Unit Cap Factor (MDC Net)	97.3	93.5	68.6
23. Unit Cap Factor (DER Net)	92.8	89.1	65.4
24. Unit Forced Outage Rate	.0	1.6	6.8
25. Forced Outage Hours	.0	33.8	1,759.2

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

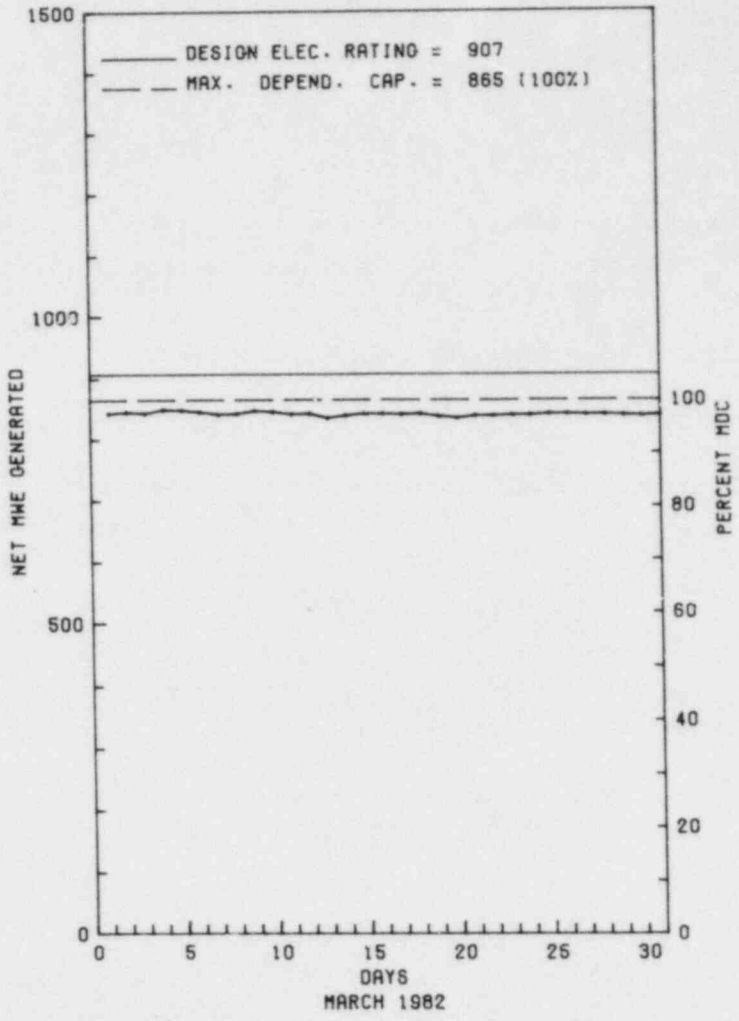
REFUELING OUTAGE: 05-21-82 THRU 07-02-82

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

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

NONE

****
* SUMMARY *
****

NORTH ANNA 1 OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

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

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 FEBRUARY 8-12 (82-02): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS; VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. EIGHT INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 19 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION JANUARY 6 - FEBRUARY 5 (82-04): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS, PREVIOUSLY IDENTIFIED ITEMS, POST IMPLEMENTATION REVIEW OF NUREG-0737 ITEMS, SURVEILLANCE AND MAINTENANCE ACTIVITIES, AND PLANT OPERATIONS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 10-12 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETIN 80-11, UNIT 1 AND 2 SERVICE WATER PUMP HOUSE SETTLEMENT AND LICENSEE IDENTIFIED ITEMS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: APRIL 5-9, 1982 +

INSPECTION REPORT NO: 50-338/82-09 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-023/ 03X-0	04/11/81	01/26/82	ROD POSITION INDICATOR DEVIATED FROM GROUP DEMAND POSITION BY GREATER THAN 12 STEPS
81-033/ 03X-1	05/04/81	01/26/82	ROD POSITION INDICATOR SHOWED ROD WAS GREATER THAN 12 STEPS FROM GROUP DEMAND
81-050/ 03X-1	06/15/81	02/03/82	ROD POSITION INDICATOR DEVIATED FROM GROUP DEMAND POSITION BY GREATER THAN 12 STEPS
81-083/ 03L-0	12/02/81	12/22/81	'B' SERVICE WATER HEADER TO UNIT 1 AND 2 CHARGING PUMPS ISOLATED TO REPAIR PINHOLE LEAK IN PIPE
82-001/ 03L-0	01/07/82	02/02/82	POWER RANGE DETECTOR N-44 DRIFTED LOW AND WAS DECLARED INOPERABLE
82-002/ 03L-0	01/11/82	02/09/82	CONTAINMENT PARTICULATE ACTIVITY DETECTOR RM-159 FAILED LOW
82-004/ 03L-0	01/16/82	02/09/82	1J EMERGENCY DIESEL GENERATOR DOOR WOULD NOT LATCH
82-005/ 03L-0	02/11/82	03/01/82	REACTOR COOLANT LEAKAGE GREATER THAN ONE GALLON PER MINUTE

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1. Docket: 50-339 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	11,352.0
13. Hours Reactor Critical	144.9	1,481.7	8,896.5
14. Rx Reserve Shtdwn Hrs	.0	46.4	1,679.6
15. Hrs Generator On-Line	144.7	1,437.1	8,667.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	391,608	3,727,404	22,519,037
18. Gross Elec Ener (MWH)	132,083	1,233,691	7,570,923
19. Net Elec Ener (MWH)	125,711	1,171,660	7,174,076
20. Unit Service Factor	19.4	66.5	76.3
21. Unit Avail Factor	19.4	66.5	76.3
22. Unit Cap Factor (MDC Net)	19.0	60.9	71.0
23. Unit Cap Factor (DER Net)	18.6	59.8	69.7
24. Unit Forced Outage Rate	.0	7.1	17.1
25. Forced Outage Hours	.0	109.9	1,785.0

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

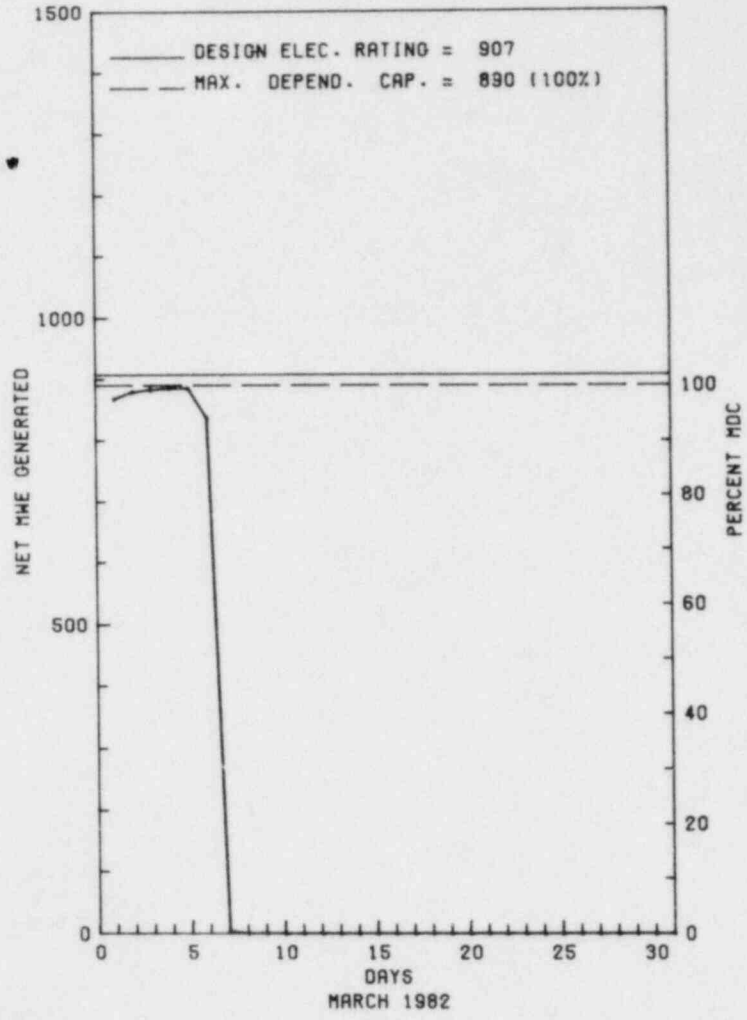
NONE

27. If Currently Shutdown Estimated Startup Date: 05/16/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



Raport Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

NORTH ANNA 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-09	03/07/82	S	599.3	C	1		RC	FUELXX	COMMENCED SCHEDULED REFUELING OUTAGE.

SUMMARY

NORTH ANNA 2 ENTERED A REFUELING OUTAGE ON MARCH 7TH AND REMAINED OFFLINE THE REMAINDER OF MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

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

FACILITY DATA

Report Period MAR 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...JUNE 12, 1980

DATE ELEC ENER 1ST GENER...AUGUST 25, 1980

DATE COMMERCIAL OPERATE....DECEMBER 14, 1980

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE ANNA

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. JOHNSON

LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339

LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 8-12 (82-02): INCLUDED REVIEW OF SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION - MANAGEMENT; SECURITY ORGANIZATION - PERSONNEL; SECURITY ORGANIZATION - RESPONSE; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS - PROTECTED AREAS; PHYSICAL BARRIERS - VITAL AREAS; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREAS; DETECTION AIDS; VITAL AREAS; ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. EIGHT INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 19 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION JANUARY 6 - FEBRUARY 5 (82-04): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 100 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS, PREVIOUSLY IDENTIFIED ITEMS, POST IMPLEMENTATION REVIEW OF NUREG-0737 ITEMS, SURVEILLANCE AND MAINTENANCE ACTIVITIES, AND PLANT OPERATIONS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 10-12 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETIN 80-11, UNIT 1 AND 2 SERVICE WATER PUMP HOUSE SETTLEMENT AND LICENSEE IDENTIFIED ITEMS.

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

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REFUELING ON MARCH 6.

LAST IE SITE INSPECTION DATE: APRIL 5-9, 1982 +

INSPECTION REPORT NO: 50-339/82-09 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
80-037/ 03X-1	08/07/80	01/26/82	SAMPLE ANALYSIS INDICATED A HIGH BORON CONCENTRATION IN BOTH A AND C SAFETY INJECTION ACCUMULATORS
81-037/ 03X-1	05/02/81	01/26/82	ROD POSITION INDICATOR FOR D6 GREATER THAN 12 STEPS FROM GROUP DEMAND POSITION
81-046/ 03X-1	06/07/81	02/03/82	ROD POSITION DEVIATED FROM GROUP DEMAND POSITION BY GREATER THAN 12 STEPS
82-002/ 03L-0	01/10/82	02/02/82	LOSS OF POWER TO C REACTOR COOLANT PUMP
82-003/ 03L-0	01/10/82	01/27/82	ROD POSITION GROUP DEMAND POSITION DIFFERED BY GREATER THAN 12 STEPS
82-004/ 03L-0	01/10/82	02/02/82	CONTAINMENT ISOLATION STEAM GENERATOR BLOWDOWN VALVE WOULD NOT REMAIN CLOSED FROM CONTROL ROOM
82-006/ 03L-0	02/16/82	03/01/82	B QUENCH SPRAY SUBSYSTEM REMOVED FROM SERVICE

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1. Docket: 50-269 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	76,345.0
13. Hours Reactor Critical	381.1	830.8	51,886.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	308.6	644.1	48,887.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	734,229	1,363,480	114,821,252
18. Gross Elec Ener (MWH)	264,800	469,620	39,945,970
19. Net Elec Ener (MWH)	246,692	417,925	37,762,101
20. Unit Service Factor	41.5	29.8	64.0
21. Unit Avail Factor	41.5	29.8	64.0
22. Unit Cap Factor (MDC Net)	38.6	22.5	57.3*
23. Unit Cap Factor (DER Net)	37.4	21.8	55.8*
24. Unit Forced Outage Rate	58.5	70.2	20.0
25. Forced Outage Hours	435.4	1,515.9	11,281.8

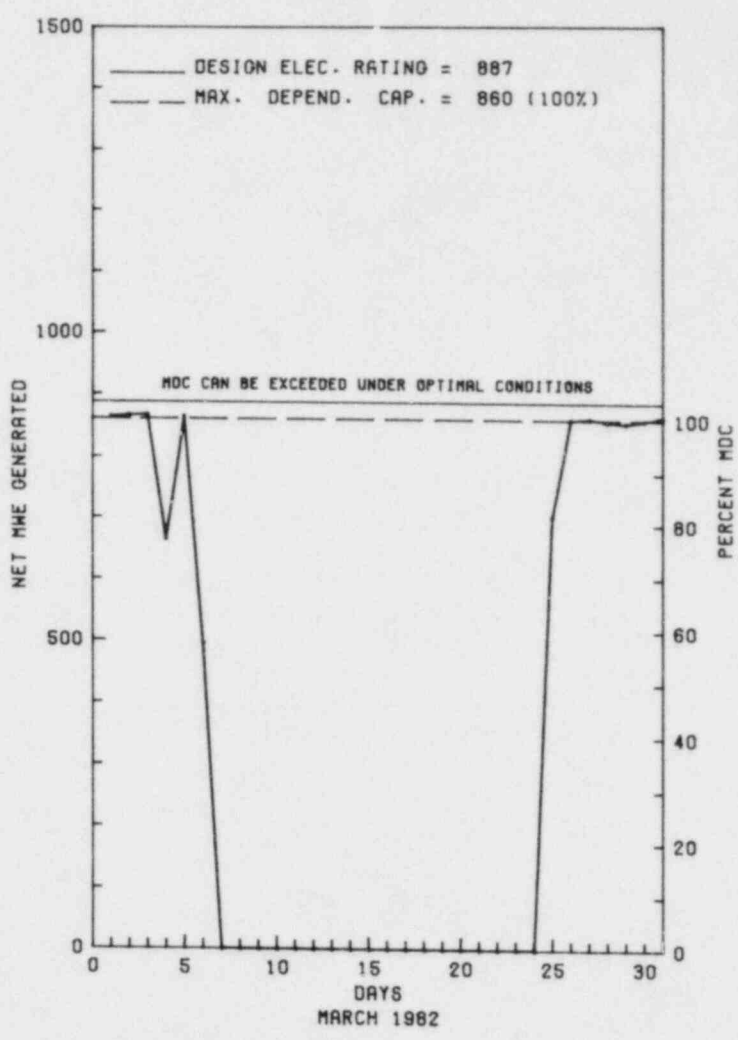
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

OCONEE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3-P	03/04/82	F	0.0	A	5		HA	TURBIN	POWER WAS REDUCED PER TECH. SPEC. DUE TO A TURBINE CONTROL (EHC) OIL LEAK. THE LEAK WAS REPAIRED AND THE UNIT RETURNED TO NEAR RATED POWER.
10	03/06/82	F	432.2	A	1		CB	H1EXCH	1B STEAM GENERATOR TUBE LEAK REPAIR.
11	03/24/82	F	3.2	A	3		CB	INSTRU	REACTOR TRIPPED ON HIGH REACTOR COOLANT SYSTEM PRESSURE DUE TO A FEEDWATER CONTROL PROBLEM CAUSING A SWING IN FLOW.

SUMMARY

OCONEE 1 OPERATED WITH 2 OUTAGES AND 1 REDUCTION IN MARCH DUE TO EQUIPMENT FAILURE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....OCONEE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...APRIL 19, 1973

DATE ELEC ENER 1ST GENER...MAY 6, 1973

DATE COMMERCIAL OPERATE....JULY 15, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE KEOWEE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL

NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX

CONSTRUCTOR.....DUKE POWER

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....W. ORDERS

LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-269

LICENSE & DATE ISSUANCE....DPR-38, FEBRUARY 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 19-22 (82-03): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION PROCEDURE REVIEW, PROGRAM REVIEW, RECORD REVIEW, WORK OBSERVATION, SEAL REPLACEMENT 2A1RC PUMP, REACTOR VESSEL INTERNALS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 10 - FEBRUARY 10 (82-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, REFUELING OPERATIONS, AND TMI ACTION ITEM VERIFICATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO SECURE EQUIPMENT HATCH DURING FUEL HANDLING).

INSPECTION FEBRUARY 10-12 (82-05): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION OF HIGH PRESSURE INJECTION PIPING; AND RECOVERY OF INSPECTION TOOL FROM UNIT 2 VESSEL. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 17-18 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 9-12 (82-08): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 76 INSPECTOR-HOURS ON SITE IN THE AREA OF A FULL SCALE EMERGENCY EXERCISE. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

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

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

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: FEBRUARY 10 - MARCH 10, 1982 +

INSPECTION REPORT NO: 50-269/82-09 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-025/ 03L-0	12/29/81	01/28/82	REACTOR BUILDING COOLING UNIT C DECLARED INOPERABLE
82-001/ 03L-0	02/03/82	03/05/82	1B MOTOR DRIVEN EMERGENCY FEEDWATER PUMP INOPERABLE
82-003/ 03L-0	02/09/82	02/23/82	1A STEAM GENERATOR TUBE LEAK
82-004/ 01T-0	02/17/82	03/03/82	REACTOR COOLANT SYSTEM NORMAL MAKEUP LINE WELD RADIOGRAPHY TEST INDICATED A VOID

1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	66,265.0
13. Hours Reactor Critical	.0	.0	46,208.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	45,228.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	106,034,811
18. Gross Elec Ener (MWH)	0	0	36,076,786
19. Net Elec Ener (MWH)	-1,470	-5,609	34,227,239
20. Unit Service Factor	.0	.0	68.3
21. Unit Avail Factor	.0	.0	68.3
22. Unit Cap Factor (MDC Net)	.0	.0	69.8*
23. Unit Cap Factor (DER Net)	.0	.0	58.3*
24. Unit Forced Outage Rate	.0	.0	17.6
25. Forced Outage Hours	.0	.0	8,841.0

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

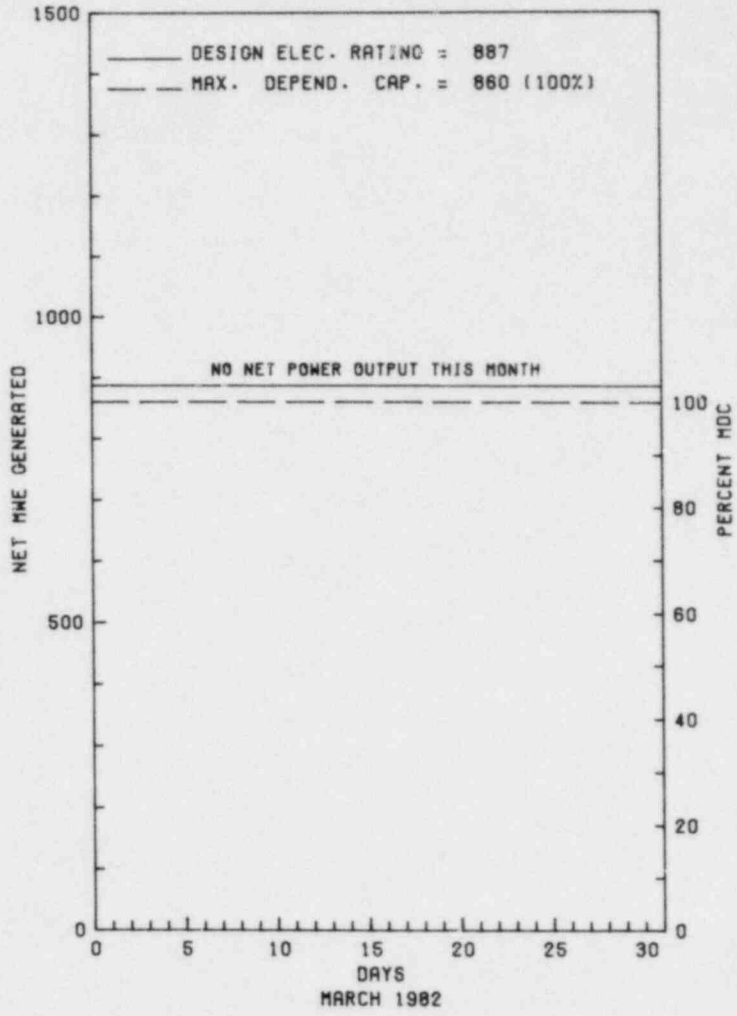
NONE

27. If Currently Shutdown Estimated Startup Date: 04/24/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1A	12/28/81	S	336.0	B	4		CA	VESSEL	CORE SUPPORT ASSEMBLY BOLT REPLACEMENT/10 YR. ISI/NRC NSM'S IN PROGRESS.
1B	12/28/81	S	408.0	C	4		RC	FUELXX	SCHEDULED REFUELING/10 YR. ISI/NRC NSM'S IN PROGRESS. OTHER MAINTENANCE CONTINUES.

****
* SUMMARY *
****

OCONEE 2 REMAINED SHUTDOWN IN A CONTINUING MAINTENANCE/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)

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

FACILITY DATA

Report Period MAR 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.....W. ORDERS

LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-270

LICENSE & DATE ISSUANCE....DPR-47, OCTOBER 6, 1973

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 19-22 (82-03): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION PROCEDURE REVIEW, PROGRAM REVIEW, RECORD REVIEW, WORK OBSERVATION, SEAL REPLACEMENT 2A1RC PUMP, REACTOR VESSEL INTERNALS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 10 - FEBRUARY 10 (82-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 61 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, REFUELING OPERATIONS, AND TMI ACTION ITEM VERIFICATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO SECURE EQUIPMENT HATCH DURING FUEL HANDLING).

INSPECTION FEBRUARY 10-12 (82-05): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION OF HIGH PRESSURE INJECTION PIPING; AND RECOVERY OF INSPECTION TOOL FROM UNIT 2 VESSEL. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 17-18 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 9-12 (82-08): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 76 INSPECTOR-HOURS ON SITE IN THE AREA OF A FULL SCALE EMERGENCY EXERCISE. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATIONS.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - MARCH 10, 1982 +

INSPECTION REPORT NO: 50-270/82-09 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 01T-0	01/17/82	01/29/82	REACTOR BUILDING EQUIPMENT HATCH NOT PROPERLY SEATED
82-003/ 01T-0	02/02/82	02/16/82	FUEL ASSEMBLY BROKEN HOLDDOWN SPRING

1. Docket: 50-287 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	63,912.0
13. Hours Reactor Critical	45.1	1,153.4	46,467.4
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	39.1	1,147.1	45,463.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	74,750	2,439,972	110,428,710
18. Gross Elec Ener (MWH)	2,780	1,004,560	38,151,374
19. Net Elec Ener (MWH)	15,478	955,750	36,307,226
20. Unit Service Factor	5.3	53.1	71.1
21. Unit Avail Factor	5.3	53.1	71.1
22. Unit Cap Factor (MDC Net)	2.4	51.5	65.8*
23. Unit Cap Factor (DER Net)	2.3	49.9	64.1*
24. Unit Forced Outage Rate	94.7	46.9	16.3
25. Forced Outage Hours	704.9	1,012.9	8,997.2

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

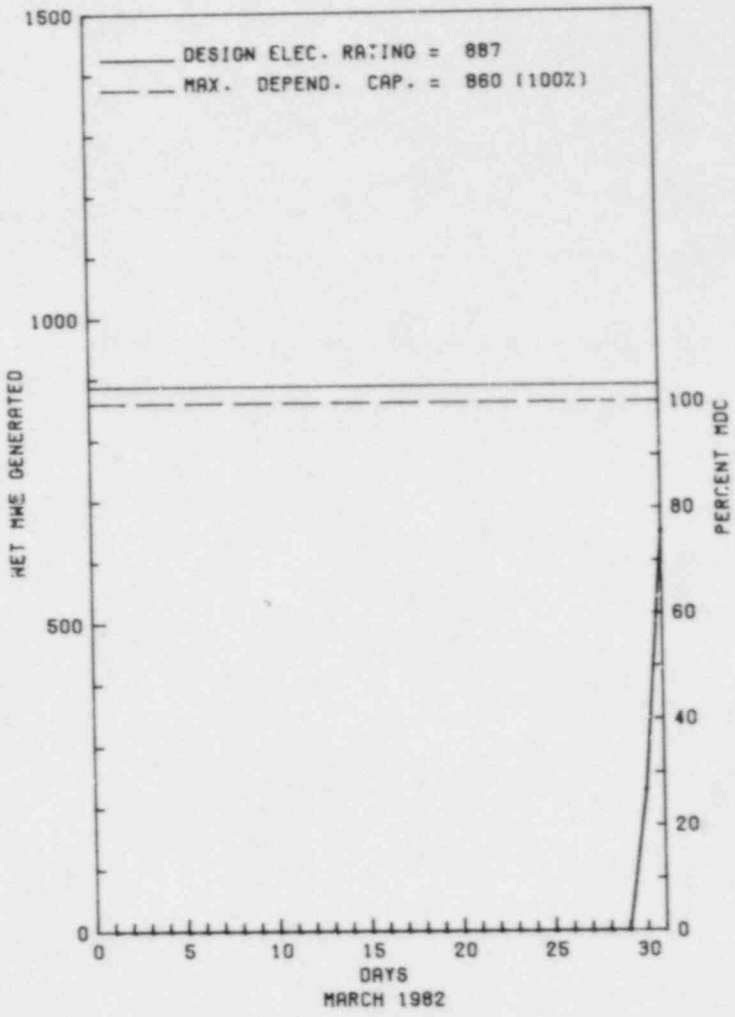
REFUELING/10 YR. INSPECTION-JUNE 6, 14 WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



* Item calculated with a Weighted Average

Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

OCONEE 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/16/82	F	704.9	A	4		SF	PIPEXX	3A STEAM GENERATOR TUBE LEAK OUTAGE EXTENDED FOR MAINTENANCE TO THE HIGH PRESSURE INJECTION (HPI) NOZZLES.

SUMMARY

OCONEE 3 RETURNED ONLINE MARCH 30TH FROM A 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)

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

FACILITY DATA

Report Period MAR 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.....W. ORDERS

LICENSING PROJ MANAGER.....P. WAGNER
DOCKET NUMBER.....50-287

LICENSE & DATE ISSUANCE....DPR-55, JULY 19, 1974

PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
201 S. SPRING STREET
WALHALLA, SOUTH CAROLINA 29691

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 19-22 (82-03): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION PROCEDURE REVIEW, PROGRAM REVIEW, RECORD REVIEW, WORK OBSERVATION, SEAL REPLACEMENT 2A1RC PUMP, REACTOR VESSEL INTERNALS INSPECTION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 10 - FEBRUARY 10 (82-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 61 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, MAINTENANCE ACTIVITIES, REFUELING OPERATIONS, AND TMI ACTION ITEM VERIFICATION. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (VIOLATION - FAILURE TO SECURE EQUIPMENT HATCH DURING FUEL HANDLING).

INSPECTION FEBRUARY 10-12 (82-05): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION OF HIGH PRESSURE INJECTION PIPING; AND RECOVERY OF INSPECTION TOOL FROM UNIT 2 VESSEL. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 17-18 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 4 INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 9-12 (82-08): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 76 INSPECTOR-HOURS ON SITE IN THE AREA OF A FULL SCALE EMERGENCY EXERCISE. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: FEBRUARY 10 - MARCH 10, 1982 +

INSPECTION REPORT NO: 50-287/82-09 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L-0	01/28/82	02/26/82	BORATED WATER STORAGE TANK CHANNEL 'B' LEVEL INDICATOR INOPERABLE
82-002/ 03L-0	02/10/82	03/12/82	REACTOR PROTECTION SYSTEM CHANNEL B HOT LEC TEMPERATURE INSTRUMENT INOPERABLE
82-003/ 03L-0	02/11/82	02/25/82	3A STEAM GENERATOR TUBE LEAK

1. Docket: 50-219 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): 687.5 X 0.9 = 550
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	107,568.0
13. Hours Reactor Critical	.0	.0	77,976.4
14. Rx Reserve Shtdwn Hrs	.0	.0	468.2
15. Hrs Generator On-Line	.0	.0	76,210.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	128,591,029
18. Gross Elec Ener (MWH)	0	0	43,685,975
19. Net Elec Ener (MWH)	0	0	42,067,438
20. Unit Service Factor	.0	.0	70.8
21. Unit Avail Factor	.0	.0	70.8
22. Unit Cap Factor (MDC Net)	.0	.0	64.4*
23. Unit Cap Factor (DER Net)	.0	.0	60.2
24. Unit Forced Outage Rate	100.0	100.0	11.3
25. Forced Outage Hours	744.0	2,160.0	7,792.6

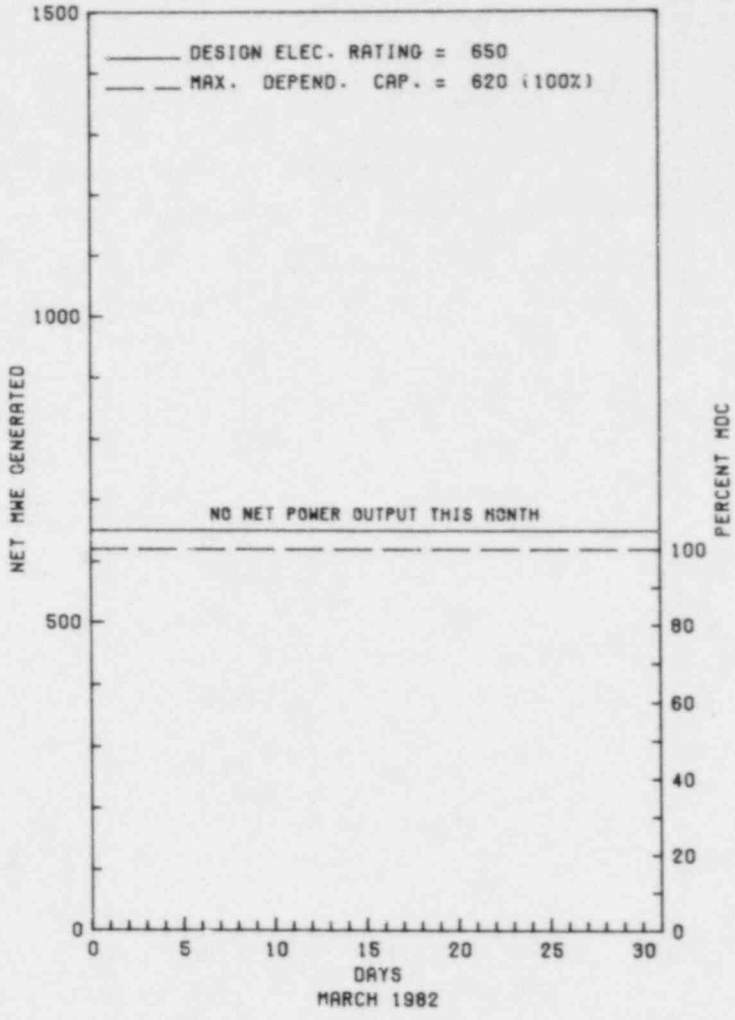
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

OYSTER CREEK 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
22	12/09/81	F	744.0	B	4		ZZ	ZZZZZZ	COMPLETE MAINTENANCE AND TESTING REQUIRED FOR UNIT STARTUP.

SUMMARY

OYSTER CREEK 1 REMAINED SHUTDOWN IN AN ONGOING MAINTENANCE OUTAGE.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....OCEAN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MAY 3, 1969

DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969

DATE COMMERCIAL OPERATE....DECEMBER 1, 1969

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....BARNEGAT BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION

CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BURNS & ROE

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....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
15 HOOPER AVENUE
TOMS RIVER, NEW JERSEY 08753

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-219/81-09 - APR 27-30: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (28 HRS) OF RADIATION PROTECTION DURING REFUELING, INCLUDING PROCEDURES, TRAINING, EXPOSURE CONTROL, RESPIRATORY PROTECTION, POSTING AND CONTROL OF RADIATION AREAS AND HIGH RADIATION AREAS, LABELING AND CONTROL OF RADIOACTIVE MATERIALS, SURVEY INSTRUMENTATION, AND SITE SOIL SAMPLING. AREAS WHERE WORK WAS BEING CONDUCTED WERE EXAMINED TO REVIEW RADIATION SAFETY CONTROL PROCEDURES AND PRACTICES. NO VIOLATIONS WERE IDENTIFIED.

+ 50-219/81-15 - APR 30 - MAY 1: ROUTINE, UNANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (10 HRS) OF LICENSEE ACTIONS ON NRC:IE BULLETIN NO. 80-10, "CONTAMINATION OF NONRADIOACTIVE SYSTEMS AND RESULTING POTENTIAL FOR UNMONITORED, UNCONTROLLED RELEASE TO ENVIRONMENT," INCLUDING: THE IDENTIFICATION OF INTERFACES BETWEEN NONRADIOACTIVE AND RADIOACTIVE SYSTEMS; THE SAMPLING PROGRAM TO IDENTIFY ANY OCCURRNCE OF AN UNMONITORED RELEASE PATH; ANY INTERIM MEASUREMENTS OR SAFETY EVALUATIONS NECESSARY TO USE NONRADIOACTIVE SYSTEMS THAT HAVE BECOME RADIOACTIVE; AND ANY SCHEDULED CORRECTIVE ACTIONS. NO VIOLATIONS WERE IDENTIFIED.

+ 50-219/81-22 - DEC 7-11: ROUTINE, UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY ONE REGION BASED INSPECTOR (36 HRS) INCLUDED: PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; SITE ORIENTATION; SECURITY ORGANIZATION - (MANAGEMENT), (PERSONNEL), AND (RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; PHYSICAL BARRIERS - (PROTECTED AREAS) AND (VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL - (PERSONNEL), (PACKAGES) AND (VEHICLES); DETECTION AIDS - (PROTECTED AREA) AND (VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS 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 REMAINS IN COLD SHUTDOWN SINCE DECEMBER 9, 1981 TO REPAIR DAMAGED LIMITORQUE VALVE OPERATORS. VALVE REPAIRS HAVE BEEN COMPLETED. REFUELING SURVEILLANCES INCLUDING PRIMARY CONTAINMENT LEAK RATE TESTING ARE IN PROGRESS. PLANT RESTART IS SCHEDULED FOR LATE APRIL 1982.

LAST IE SITE INSPECTION DATE: 3/2-17/82 +

INSPECTION REPORT NO: 50-219/82-08 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L	01/02/82	02/01/82	CONTAINMENT SPRAY HIGH DRYWELL PRESSURE INDICATING SWITCHES IP-15A, 15B, 15C, TRIPPED AT VALUES GREATER THAN SPECIFIED
82-002/ 03L	02/18/82	02/19/82	INSTALLATION OF A PLANT MODIFICATION COULD HAVE DEFEATED TRIP SYSTEM AUTOMATIC CONTAINMENT ISOLATION FUNCTION
82-003/ 03L	01/22/82	02/19/82	CONTAINMENT SPRAY HIGH DRYWELL PRESSURE INDICATING SWITCH IP-15B TRIPPED AT VALUE GREATER THAN SPECIFIED
82-004/ 03L	01/21/82	02/22/82	DURING SURVEILLANCE TESTING, RBCCWD ISO VALVE V-5-167 FAILED TO CLOSE
82-005/ 03L	01/25/82	02/25/82	DURING SURVEILLANCE TESTING, DIESEL GENERATOR 21 TRIPPED ON LOW COOLING WATER PRESSURE DUE TO LEAKS IN COOLING SYSTEM RADIATOR
82-006/ 01T	12/03/81	02/26/82	'A' EMRV AND 1 ADS TRIP SYSTEM WERE RENDERED INOPERABLE WHEN D.C. CONTROL PWR FUSES WERE REMOVED TO REPLACE FAILED EMRV PRESSURE SWITCH
82-007/ 03L	01/26/82	02/25/82	MAIN STEAM LINE HIGH FLOW SENSOR RE-224 TRIPPED AT VALUES GREATER THAN GIVEN IN TECH SPEC
82-010/ 01T	02/18/82	03/04/82	DEFICIENCY EXISTED IN INSTALLATION AND SAFETY EVALUATION OF THE FIRE PROTECTION SYSTEM MODIFICATION
82-012/ 01T	02/26/82	03/15/82	REACTOR BLDG TO SUPPRESSION CHAMBER VACUUM BREAKER VALVE V-26-18 FOUND TO BE INSTALLED IMPROPERLY CAUSING VALVE TO BE OUT OF POSITION.

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1. Docket: 50-255 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	90,135.0
13. Hours Reactor Critical	499.7	1,223.8	49,947.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	323.3	891.6	47,096.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	682,224	1,798,560	93,205,824
18. Gross Elec Ener (MWH)	216,080	558,890	28,786,840
19. Net Elec Ener (MWH)	201,843	522,105	27,035,038
20. Unit Service Factor	43.5	41.3	52.3
21. Unit Avail Factor	43.5	41.3	52.3
22. Unit Cap Factor (MDC Net)	42.7	38.1	47.2
23. Unit Cap Factor (DER Net)	33.7	30.0	37.3
24. Unit Forced Outage Rate	56.5	58.7	33.6
25. Forced Outage Hours	420.7	1,268.4	9,734.7

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

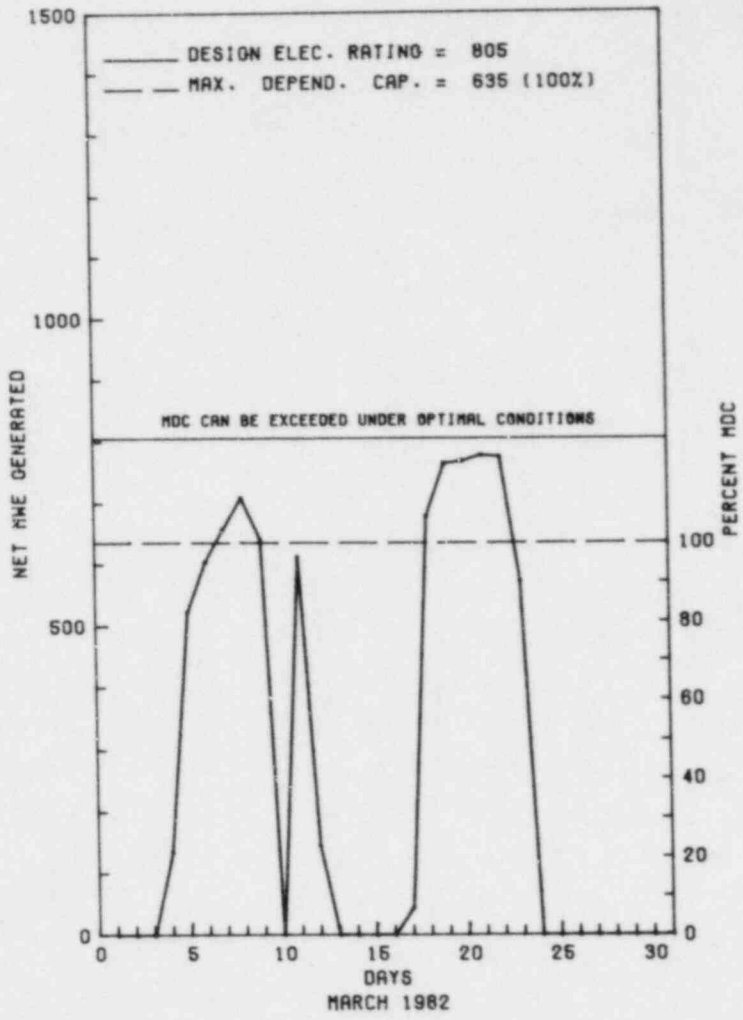
NONE

27. If Currently Shutdown Estimated Startup Date: 04/24/82

****
* PALISADES *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* PALISADES *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	02/04/82	F	81.4	A	4				COOLING TOWER PUMP TRIP.
6	03/09/82	F	19.5	A	2				EH TURBINE GENERATOR CONTROL.
7	03/12/82	F	129.7	A	2				ISO-PHASE BUS FIRE.
8	03/23/82	F	190.1	A	1				STEAM GENERATOR TUBE LEAKAGE.

****
* SUMMARY *
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PALISADES OPERATED WITH 4 OUTAGES AND NO REDUCTIONS DURING MARCH.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-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)

****
* PALISADES *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....VANBUREN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 24, 1971

DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971

DATE COMMERCIAL OPERATE....DECEMBER 31, 1971

CONDENSER COOLING METHOD...COOLING TOWERS

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....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 49006

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION DURING JANUARY (82-01): ROUTINE RESIDENT INSPECTION PROGRAM ACTIVITIES INCLUDING: VERIFICATION OF OPERATIONAL SAFETY; SURVEILLANCE; MAINTENANCE; REPORTABLE EVENTS; PLANT TRIPS; TMI ACTION ITEMS; AND IE BULLETIN REVIEW. THE INSPECTION INVOLVED A TOTAL OF 162 INSPECTOR HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 28 INSPECTOR HOURS ONSITE DURING OFFSHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS. ONE ITEM OF NONCOMPLIANCE (FAILURE TO ESTABLISH FIREWATCH FOR AN OPEN FIRE DOOR) WAS IDENTIFIED IN THE REMAINING AREA.

INSPECTION ON JANUARY 21, 27 AND 30, (82-02): SPECIAL ANNOUNCED INSPECTION OF THE PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS AND AN IN OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 23-24, (82-04): ROUTINE, ANNOUNCED INSPECTION OF CYCLE 5 CONTROL ROD DROP TIME TESTS; CONTROL ROD DRIVE AND POSITION INDICATION CHECKS; CONTROL ROD WORTH MEASUREMENTS; REACTOR SHUTDOWN MARGIN DETERMINATION; ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT; CORE THERMAL POWER EVALUATION; CORE POWER DISTRIBUTION LIMITS; DETERMINATION OF REACTIVITY ANOMALIES; LICENSEE EVENT REPORT. THE INSPECTION INVOLVED A TOTAL OF 16 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 1-5, 8-12 AND 16-26, (82-05): ROUTINE RESIDENT INSPECTION PROGRAM ACTIVITIES INCLUDING: PLANT TRIP REVIEW; ACTIVITIES DURING LONG-TERM SHUTDOWN; MAINTENANCE; SURVEILLANCE; REPORTABLE EVENTS; AND MISCELLANEOUS INDEPENDENT

****
* PALISADES *
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INSPECTION SUMMARY

INSPECTIONS. THE INSPECTION INVOLVED A TOTAL OF 200 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 40 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS. ONE ITEM OF NONCOMPLIANCE (EXPOSURE REPORTING UNDER 10 CFR 20.408 AND 19.13) WAS IDENTIFIED IN THE REMAINING AREA.

MANAGEMENT MEETING ON FEBRUARY 17, (82-06): A SPECIAL MEETING, REQUESTED BY THE LICENSEE, WAS HELD TO INFORM THE NUCLEAR REGULATORY COMMISSION OF THE CURRENT STATUS OF CONSUMERS POWER COMPANY'S PROGRAM AND PLANS FOR MEETING THE REQUIREMENTS OF THE CONFIRMATORY ORDER OF MARCH 9, 1981.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

THE PLANT WAS REMOVED FROM SERVICE FOR ABOUT A WEEK AT THE END OF JANUARY, 1982 FOR CLEANUP OF SODIUM CONTAMINATION IN THE STEAM GENERATORS. THE SODIUM HAD ENTERED THE CONDENSATE SYSTEM AS CAUSTIC NAOH FROM A BLOWDOWN DEMINERALIZER BACKFLUSHING OPERATION WHEN TWO BONNETLESS CONTROL VALVES LEAKED AND A MALFUNCTIONING CONDUCTIVITY CELL FAILED ITS ISOLATION FUNCTION. AN ESTIMATED 5.5 POUNDS OF SODIUM WERE REMOVED FROM THE SYSTEM PRIOR TO RETURNING THE PLANT TO SERVICE.

A REACTOR TRIP ON PRIMARY SYSTEM OVERTEMPERATURE (THERMAL MARGIN/LOW PRESSURE) WAS FOLLOWED BY SIS ON 2/04/82 WHEN POST-TRIP COOLDOWN TO SLIGHTLY BELOW HOT SHUTDOWN CONDITIONS RESULTED IN DE-PRESSURIZATION TO THE SIS SETPOINT. SUBSEQUENT INVESTIGATION INDICATED SLUGGISH OPERATION OF THE CONTROL-GRADE ATMOSPHERIC DUMP AND FEEDWATER RAMP FEATURES MAY HAVE CONTRIBUTED TO SOME OVERSHOOT ON COOLDOWN WHICH PERMITTED THE DEPRESSURIZATION TO PROCEED JUST TO THE SIS SETPOINT. BOTH SYSTEMS WERE TESTED AND ADJUSTED DURING THE SUBSEQUENT PLANT OUTAGE.

AN APPARENT HYDROGEN EXPLOSION ON 2/04/82 (WITH THE PLANT IN HOT SHUTDOWN) DAMAGED THE GENERATOR EXITER HOUSING AND COOLING SYSTEM. THE LICENSEE SUBSEQUENTLY IDENTIFIED AND REPAIRED A LEAKING SHAFT RADIAL SEAL WHICH IS SUSPECTED OF BEING THE SOURCE OF THE POSTULATED HYDROGEN LEAK INTO THE EXITER HOUSING. GENERATOR AND EXCITER COMPONENTS WERE EXTENSIVELY INSPECTED/TESTED AND IDENTIFIED DAMAGE REPAIRED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT WAS SHUT DOWN ON 3/23/82 DUE TO A TUBE LEAK IN THE 'A' STEAM GENERATOR. THE INSPECTION AND REPAIR EFFORT IS EXPECTED TO TAKE THREE WEEKS.

LAST IE SITE INSPECTION DATE: FEBRUARY 17, 1982

INSPECTION REPORT NO: 82-06

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-06/ 03L-0	01/26/82	02/25/82	CONDENSATE INVENTORY FELL TO BELOW T.S. LIMIT.
82-07/ 03L-0	01/29/82	02/25/82	A BLOWN FUSE RESULTED IN A FALSE LOW LEVEL INDICATION.
82-08/ 03L-0	02/05/82	03/01/82	THE THERMAL MARGIN/LOW PRESSURE TRIP SETPOINT FOR 1 RPS CHANNEL WAS BELOW T.S.
82-09/ 03L-0	02/02/82	03/01/82	DURING ROUTINE SURVEILLANCE OF 1-1 D/G LOAD SWINGS OF 650 KW WERE OBSERVED.
82-10/ 03L-0	02/02/82	03/01/82	DURING SURVEILLANCE OF SNUBBERS, NO. 37 SNUBBER CONTAINED INSUFFICIENT OIL.

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

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	67,848.0
13. Hours Reactor Critical	.0	1,182.0	50,925.6
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	1,167.1	49,623.6
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	3,143,292	144,366,608
18. Gross Elec Ener (MWH)	0	1,009,650	47,513,420
19. Net Elec Ener (MWH)	-4,651	965,417	45,556,152
20. Unit Service Factor	.0	54.0	73.1
21. Unit Avail Factor	.0	54.0	73.1
22. Unit Cap Factor (MDC Net)	.0	42.5	63.9
23. Unit Cap Factor (DER Net)	.0	42.0	63.0
24. Unit Forced Outage Rate	.0	2.7	8.0
25. Forced Outage Hours	.0	32.8	4,299.3

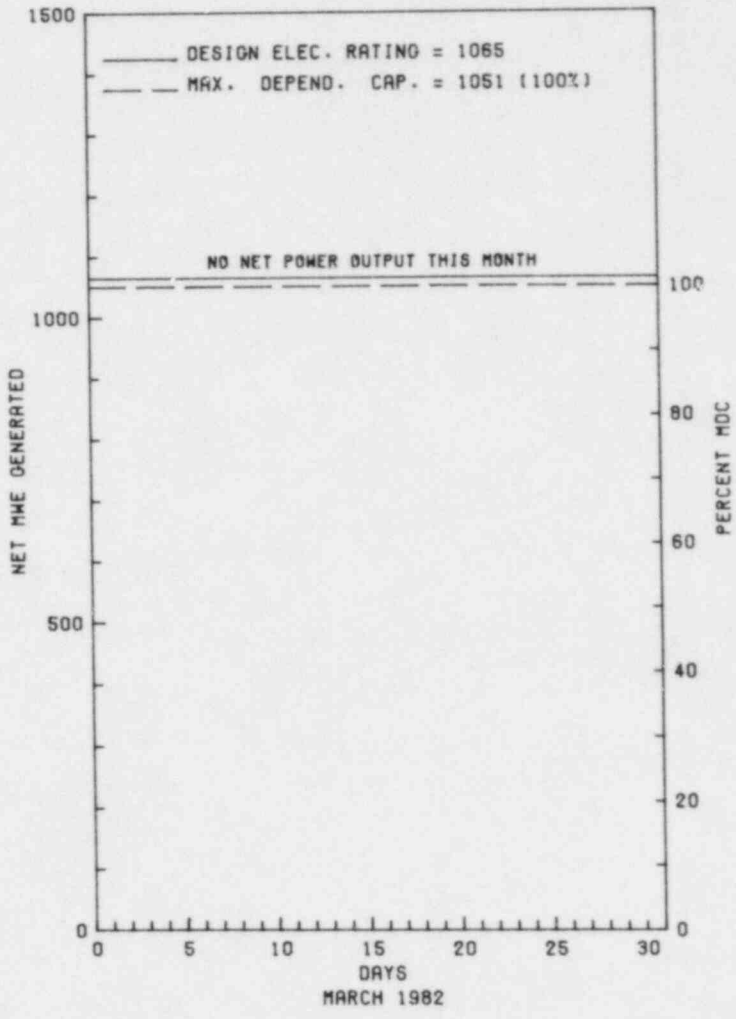
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 05/30/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	02/19/82	S	744.0	C	4		RC	FUELXX	CONTINUING REFUELING OUTAGE.

****
* SUMMARY *
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PEACH BOTTOM 2 REMAINED OFFLINE DURING MARCH 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)

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973

DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974

DATE COMMERCIAL OPERATE....JULY 5, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. COWGILL

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-277

LICENSE & DATE ISSUANCE....DPR-44, DECEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
EDUCATION BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17126

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-277/82-03 - FEB 3 - MAR 9: ROUTINE, REGULAR AND BACKSHIFT RESIDENT INSPECTION (87 HRS) OF ACCESSIBLE PORTIONS OF THE FACILITY, OPERATIONAL SAFETY, EVENT FOLLOWUP, RADIATION PROTECTION, PHYSICAL SECURITY, CONTROL ROOM OBSERVATIONS, LER REVIEW, MAINTENANCE, FIRE PROTECTION/HOUSEKEEPING, CHEMISTRY, EMERGENCY PLANNING, OUTSTANDING ITEMS, AND PERIODIC REPORTS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW FIRE WATCH PROCEDURES.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 3.5.A, FROM ABOUT 8:00 P.M. TO 8:20 P.M., 12/5/81, MAIN STEAM LINE LEAK DETECTION HIGH TEMPERATURE TRIP SETPOINTS WERE RAISED TO 250 DEGREES FAHRENHEIT ON BOTH CHANNELS IN BOTH TRIP SYSTEMS.
(8127 3)

10CFR71.5 PROHIBITS THE DELIVERY OF LICENSED MATERIAL TO A CARRIER FOR TRANSPORT UNLESS THE LICENSEE COMPLIES WITH THE REGULATIONS IN 49 CFR PARTS 170-189. 49 CFR 173.24(A) REQUIRES THAT EACH PACKAGE USED IN SUCH TRANSFER HAVE ITS CONTENTS SO LIMITED THAT UNDER CONDITIONS NORMALLY INCIDENT TO TRANSPORTATION, THE EFFECTIVENESS OF THE PACKAGING WILL NOT BE SUBSTANTIALLY REDUCED. CONTRARY TO THE ABOVE, ON JANUARY 5, 1982, A PACKAGE CONTAINING 0.44 MILLICURIES OF LICENSED RADIOACTIVE MATERIAL WAS DELIVERED TO

ENFORCEMENT SUMMARY

A CARRIER FOR TRANSPORT AND ITS CONTENTS WERE NOT SO LIMITED. ITS EFFECTIVENESS WAS SUBSTANTIALLY REDUCED UNDER NORMAL TRANSPORT CONDITIONS, IN THAT A PUNCTURE OF ABOUT 2-INCH DIAMETER WAS PRODUCED IN THE CONTAINER'S SIDE BY MATERIAL WITHIN IT. (8201 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ UNDERWATER TV EXAMINATION SHOWED A CIRCUMFERENTIAL CRACK ON THE LOWER CORE SPRAY SPARGER RING IN THE HEAT AFFECTED CORE OF A RING-TO-JUNCTION HOT WELD. LICENSEE EVALUATION AND NRC:NRR APPROVAL IS REQUIRED PRIOR TO STARTUP. THE LICENSEE IS CONSIDERING USE OF A REINFORCING CLAMP.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT REMAINED SHUTDOWN FOR REFUELING AND TORUS MODIFICATIONS.

LAST IE SITE INSPECTION DATE: 3/10 - 4/13/82 +

INSPECTION REPORT NO: 50-277/82-06 +

REPORTS FROM LICENSEE

PEACH BOTTOM 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L	01/23/82	02/23/82	DURING STARTUP, A LOCAL LEAK RATE TEST OF THE DRYWELL AIRLOCK REVEALED EXCESS LEAKAGE
82-002/ 03L	02/04/82	03/02/82	FAILURE OF A SOLENOID ISOLATION VALVE TO SEAT PROPERLY DURING A LOCAL LEAK RATE TEST
82-003/ 03L	01/29/82	02/26/82	DIESEL GENERATOR CARDOX TANK LEVEL DROPPED BELOW LIMIT IN TECH SPEC
82-004/ 03L	02/06/82	03/06/82	DURING ST OF THE PRIMARY CONTAINMENT ISOLATION SYSTEM, THE 'A' SBGT FILTER INLET DAMPER FAILED TO AUTOMATICALLY OPEN
82-005/ 03L	02/15/82	03/15/82	FAILURE OF CONTROL ROOM EMERGENCY VENTILATION TO MEET REQUIREMENTS OF TECH SPEC

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1. Docket: 50-278 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	63,744.0
13. Hours Reactor Critical	715.8	2,071.3	47,559.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	708.5	2,049.6	46,276.4
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,298,307	6,589,651	133,281,173
18. Gross Elec Ener (MWH)	775,730	2,222,560	43,611,480
19. Net Elec Ener (MWH)	752,321	2,155,418	41,865,891
20. Unit Service Factor	95.2	94.9	72.6
21. Unit Avail Factor	95.2	94.9	72.6
22. Unit Cap Factor (MDC Net)	97.7	96.4	63.5
23. Unit Cap Factor (DER Net)	94.9	93.7	61.7
24. Unit Forced Outage Rate	4.8	5.1	7.8
25. Forced Outage Hours	35.5	110.4	3,914.2

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

NONE

27. If Currently Shutdown Estimated Startup Date: 04/09/82

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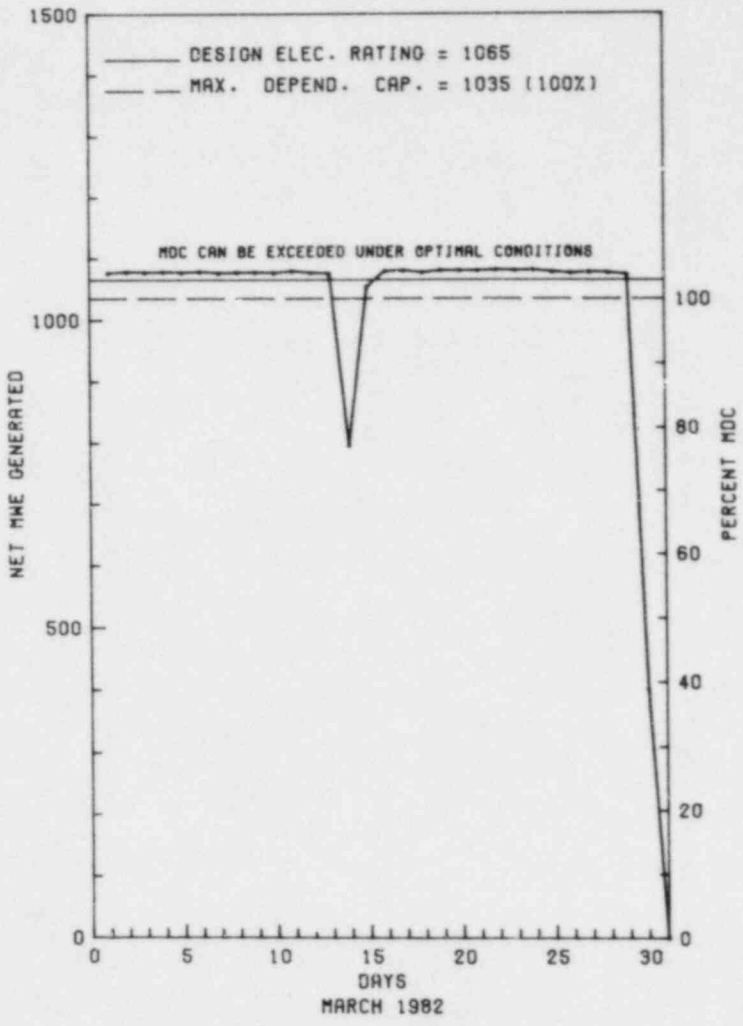
* PEACH BOTTOM 3 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

PEACH BOTTOM 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	03/14/82	S	0.0	B	5		HF	HTEXCH	LOAD REDUCED TO REPAIR 'A1' CONDENSER WATER BOX TUBE LEAKS.
7	03/30/82	F	35.5	A	1		HA	GENERA	SHUTDOWN PROMPTED BY INCREASING VIBRATION ON THE MAIN GENERATOR EXCITER HOUSING.

SUMMARY

PEACH BOTTOM 3 OPERATED WITH 1 REDUCTION AND 1 OUTAGE DURING MARCH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA

COUNTY.....YORK

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...AUGUST 7, 1974

DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974

DATE COMMERCIAL OPERATE....DECEMBER 23, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....SUSQUEHANNA RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC

CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....C. COWGILL

LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-278

LICENSE & DATE ISSUANCE....DPR-56, JULY 2, 1974

PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
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COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17126

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-278/82-03 - FEB 3 - MAR 9: ROUTINE, REGULAR AND BACKSHIFT RESIDENT INSPECTION OF ACCESSIBLE PORTIONS OF THE FACILITY, OPERATIONAL SAFETY, EVENT FOLLOWUP, RADIATION PROTECTION, PHYSICAL SECURITY, CONTROL ROOM OBSERVATIONS, LER REVIEW, MAINTENANCE, FIRE PROTECTION/HOUSEKEEPING, CHEMISTRY, EMERGENCY PLANNING, OUTSTANDING ITEMS, AND PERIODIC REPORTS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW FIRE WATCH PROCEDURES; FAILURE OF ONE INDIVIDUAL TO WEAR REQUIRED DOSIMETRY.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 3.2.D, DURING REACTOR POWER OPERATIONS FROM ABOUT 11:00 A.M. ON 10/4/81, TO ABOUT 11:00 P.M. ON 10/5/81, & FROM ABOUT 11:00 P.M. ON 10/23/81, TO ABOUT 4:30 P.M. ON 10/23/81, BOTH OFF-GAS SYSTEM RADIATION MONITORS WERE INOPERABLE & REQUIRED ACTION WAS NOT TAKEN, IN THAT TEMPORARY MONITORS WERE NOT USED & AN ORDERLY SHUTDOWN WAS NOT INITIATED. (8126 3)

CONTRARY TO 10 CFR 50.72 & PROCEDURE A-31, THE LICENSEE DID NOT NOTIFY THE NRC OPERATIONS CENTER FOLLOWING AN UNPLANNED RELEASE THAT OCCURRED FROM ABOUT 7:50 P.M. TO ABOUT 10:30 P.M. ON 11/4/81. THE FIRST NOTIFICATION OF THE NRC REGARDING THIS EVENT OCCURRED ABOUT 10:30 A.M. 11/5/81.

ENFORCEMENT SUMMARY

(8126 5)

10 CFR 71.5 PROHIBITS THE DELIVERY OF LICENSING MATERIAL TO A CARRIER FOR TRANSPORT UNLESS THE LICENSEE COMPLIES WITH THE REGULATIONS IN 49 CFR PARTS 170-189. 49 CFR 173.24(A) REQUIRES THAT EACH PACKAGE USED IN SUCH TRANSFER HAVE ITS CONTENTS SO LIMITED THAT UNDER CONDITIONS NORMALLY INCIDENT TO TRANSPORTAT.ON, THE EFFECTIVENESS OF THE PACKAGING WILL NOT BE SUBSTANTIALLY REDUCED. CONTRARY TO THE ABOVE, ON JANUARY 5, 1982, A PACKAGE CONTAINING 0.44 MILLICURIES OF LICENSED RADIOACTIVE MATERIAL WAS DELIVERED TO A CARRIER FOR TRANSPORT AND ITS CONTENTS WERE NOT SO LIMITED. ITS EFFECTIVENESS WAS SUBSTANTIALLY REDUCED UNDER NORMAL TRANSPORT CONDITIONS, IN THAT A PUNCTURE OF ABOUT 2- INCH DIAMETER WAS PRODUCED IN THE CONTAINER'S SIDE BY MATERIAL WITHIN IT.
(8201 3)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT OPERATED NEAR FULL POWER UNTIL A MARCH 30 SHUTDOWN FOR REPLACEMENT OF A RECIRCULATION PUMP SHAFT SEAL AND INVESTIGATION OF A NOISE IN THE MAIN GENERATOR. REPRESENTATIVE OFFGAS RATE WAS 1493 MICROCURIES PER SECOND; STACK GAS RELEASE RATE WAS 90 MICROCURIES PER SECOND.

LAST IE SITE INSPECTION DATE: 3/10 - 4/13/82 +

INSPECTION REPORT NO: 50-278/82-06 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-293 OPERATING STATUS
2. Reporting Period: 03/01/82 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): 693
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	81,600.0
13. Hours Reactor Critical	74.2	74.2	56,107.5
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	.0	.0	54,277.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	0	92,817,888
18. Gross Elec Ener (MWH)	0	0	30,911,234
19. Net Elec Ener (MWH)	0	0	29,694,484
20. Unit Service Factor	.0	.0	66.5
21. Unit Avail Factor	.0	.0	66.5
22. Unit Cap Factor (MDC Net)	.0	.0	54.3
23. Unit Cap Factor (DER Net)	.0	.0	55.6
24. Unit Forced Outage Rate	.0	.0	10.0
25. Forced Outage Hours	.0	.0	6,014.5

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

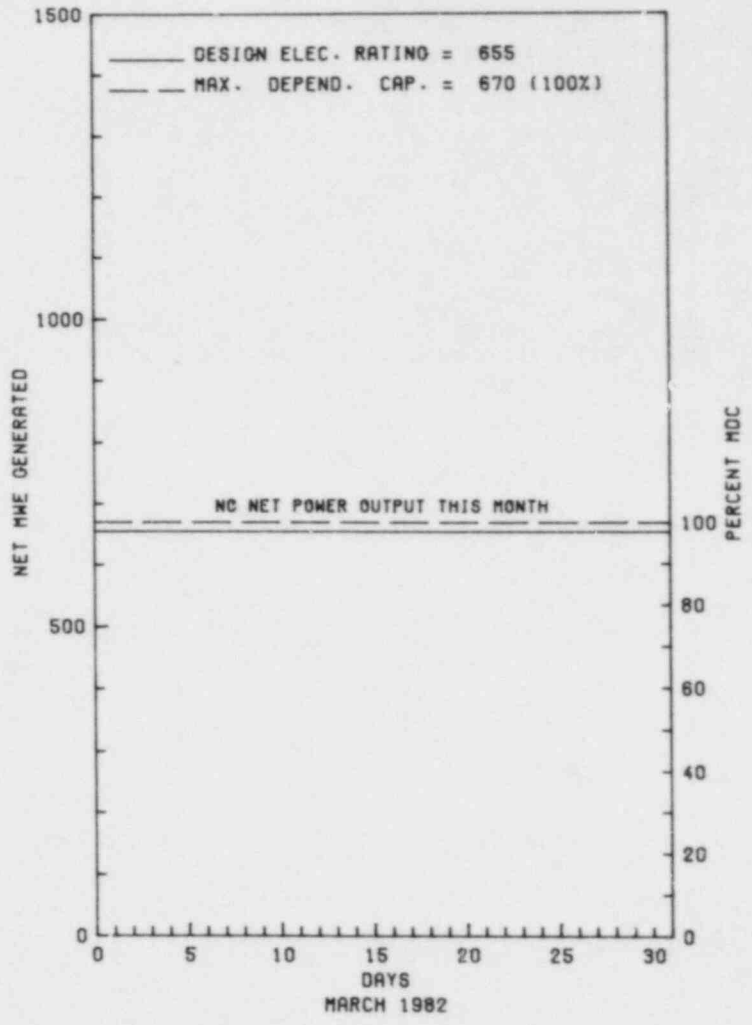
NONE

27. If Currently Shutdown Estimated Startup Date: 04/15/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

PILGRIM 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	09/26/81	S	744.0	C	4		RC	FUELXX	REFUEL/MODIFICATION OUTAGE CONTINUES.

SUMMARY

PILGRIM 1 REMAINED SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equipment 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		

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

FACILITY DATA

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
NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-293/81-21 - AUG 31 - SEP 4: ROUTINE, UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (60 HRS) OF THE RADIATION PROTECTION PROGRAM DURING REFUELING INCLUDING: LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, CONFIRMATION LETTER FOLLOWUP, TRAINING AND RETRAINING, ALARA PROGRAM, HEALTH PHYSICS APPRAISAL FOLLOWUP, RADIOACTIVE AND CONTAMINATED MATERIAL CONTROL, HIGH RADIATION AREA POSTING AND CONTROL, REVIEW OF HIGH TLD BADGE READING, AND PROCEDURES. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO POST NOTICES TO WORKERS; FAILURE TO ADHERE TO RADIATION PROTECTION PROCEDURES; FAILURE TO POST A HIGH RADIATION AREA.

+ 50-293/81-37 - NOV 24 - JAN 7: INVESTIGATION CONDUCTED TO DETERMINE THE CIRCUMSTANCES SURROUNDING THE LICENSEE'S SUBMITTAL OF A LETTER TO THE NRC DATED OCTOBER 19, 1979 WHICH CONTAINED AN APPARENT MATERIAL FALSE STATEMENT REGARDING THE STATUS OF THE STATION'S COMPLIANCE WITH THE REQUIREMENTS OF 10 CFR 50.44, AND TO FURTHER DETERMINE IF THE LICENSEE INTENTIONALLY WITHHELD FROM THE NRC INFORMATION DEVELOPED SUBSEQUENT TO ITS OCTOBER 19, 1979 SUBMITTAL INDICATING THE STATION WAS IN NONCOMPLIANCE WITH THE REQUIREMENTS OF 10 CFR 50.44. NO VIOLATIONS WERE IDENTIFIED.

+ 50-293/82-01 - JAN 18 - FEB 28: ROUTINE UNANNOUNCED SAFETY INSPECTION BY THREE RESIDENT INSPECTORS AND ONE REGION BASED INSPECTOR (358 HRS) OF PLANT OPERATIONS, INCLUDING FOLLOWUP ON PREVIOUS INSPECTION FINDINGS, AN OPERATIONAL SAFETY VERIFICATION DURING LONG TERM SHUTDOWN, FOLLOWUP OF EVENTS OCCURRING DURING THE INSPECTION AND LER'S, SURVEILLANCE, MAINTENANCE, AND TESTING ACTIVITIES, I.E. BULLETIN FOLLOWUP, FIRE PROTECTION PROGRAM FOLLOWUP, STARTUP TESTING FOR MODIFIED SYSTEMS, PREPARATIONS FOR PLANT RESTART, AND A REVIEW OF THE TMI TAP. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO PROPERLY INSTRUCT WORKERS OF THE STORAGE AND TRANSFER OF RADIOACTIVE RESINS; FAILURE TO ESTABLISH AND IMPLEMENT STATION PROCEDURES TO MEET REQUIREMENTS OF THE FIRE PROTECTION PLAN.

INSPECTION SUMMARY

+ 50-293/82-04 - JAN 25-29: ROUTINE, UNANNOUNCED INSPECTION BY THREE REGION BASED INSPECTORS (78 HRS) OF CONTAINMENT LEAKAGE RATE TESTING; TESTING OF NEW AND MODIFIED SYSTEMS; AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO PROPERLY IMPLEMENT APPROVED PROCEDURES; FAILURE OF DRAWINGS AND PROCEDURES TO IDENTIFY EXISTING VALVES.

+ 50-293/82-05 - FEB 1-5: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (72 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; FACILITY MODIFICATIONS, QA, INSPECTION/SURVEILLANCE, AUDITS AND AUDIT IMPLEMENTATION. ONE VIOLATION WAS IDENTIFIED: FAILURE TO TAKE CORRECTIVE ACTION ON AUDIT DEFICIENCY REPORTS IN THE SPECIFIED TIME PERIOD.

+ 50-293/82-07 - FEB 9-12: A SPECIAL ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR (30 HRS) OF THE LICENSEE ACTIVITIES IN RESPONSE TO IE BULLETIN NO. 80-11, MASONRY WALL DESIGN AND OBSERVATION/REVIEW OF MODIFICATIONS TO MASONRY WALLS. NO VIOLATIONS WERE IDENTIFIED.

+ 50-293/82-08 - FEB 16-18: UNANNOUNCED INSPECTION BY ONE REGION BASED INSPECTOR (28 HRS) OF THE PLANT FIRE PROTECTION/PREVENTION PROGRAM INCLUDING: IMPLEMENTATION OF ADMINISTRATIVE CONTROLS; FIRE BRIGADE TRAINING; OBSERVATION OF IGNITION SOURCE AND COMBUSTIBLE MATERIAL CONTROL; AND OBSERVATION OF CRITICAL PLANT AREAS. NO VIOLATIONS WERE IDENTIFIED.

+ 50-293/82-09 - MAR 2-4: SPECIAL, ANNOUNCED EMERGENCY PREPAREDNESS INSPECTION AND OBSERVATION OF THE LICENSEE'S ANNUAL EMERGENCY EXERCISE. THE INSPECTION INVOLVED 207 INSPECTION HOURS BY A TEAM OF ELEVEN NRC REGION I AND NRC CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO T.S. 6.9.B.1(I), ON 3/28/80, THE LICENSEE DETERMINED THAT LOCAL OPERATOR ACTION TO MEET 10 CFR 50.44 COULD NOT BE ASSURED, THAT REMEDIAL ACTION WAS REQUIRED, & DID NOT REPORT THIS TO THE NRC UNTIL 6/81. THE LICENSEE FAILED TO CONDUCT AN ADEQUATE SAFETY ANALYSIS AS REQUIRED BY 10 CFR 50.59. RESULTED IN A PROCEDURE REVISION WHICH REQUIRED 2 MANUAL NITROGEN SUPPLY VALVES, INSIDE THE REACTOR BUILDING, TO BE CLOSED. POST LOCA COMBUSTIBLE GAS CONTROL COULD NOT BE ASSURED DUE TO ACCESS CONSIDERATIONS.

LICENSEE LETTER OF 10/19/79 CONTAINED A MATERIAL FALSE STATEMENT. CONTRARY TO 10 CFR 50, APP B, CRIT V, THE LICENSEE FAILED TO PROVIDE ADEQUATE PROCEDURE CHANGES TO ENSURE SYSTEM OPERABILITY FOLLOWING IMPLEMENT ATION OF PDCR'S 80-03 & 80-21 & PRIOR TO PLANT OPERATION ON 5/19/80. THE LICENSEE FAILED TO PROVIDE A COMBUSTIBLE GAS CONTROL SYSTEM WHICH MET THE REQUIREMENTS OF 10 CFR 50.44 FROM 11/27/78 TO 6/5/81.
(8118 3)

TECHNICAL SPECIFICATION 6.13 REQUIRES THAT EACH AREA IN WHICH THE INTENSITY OF RADIATION IS GREATER THAN 100 MREM/HR BE CONSPICUOUSLY POSTED AS A HIGH RADIATION AREA. CONTRARY TO THE ABOVE, ON SEPTEMBER 28, 1982, THE REACTOR DRYWELL EXHIBITED GENERAL AREA RADIATION INTENSITIES RANGING FROM 100-300 MREM/HR AND NEITHER THE AREA NOR THE MAIN ACCESS POINT TO THE AREA WERE POSTED AS A HIGH RADIATION AREA. TECHNICAL SPECIFICATION 6.11 REQUIRES THAT PROCEDURES FOR RADIATION PROTECTION BE ADHERED TO FOR ALL OPERATIONS INVOLVING RADIATION EXPOSURE. PROCEDURE NO. 6.1-022, RADIATION WORK PERMIT (RWP), REVISION 7, SECTION V.A., REQUIRES THAT INDIVIDUALS WORKING UNDER THE CONTROL OF AN RWP FOLLOW ALL INSTRUCTIONS ON THE RWP. RWP NO. 81-963, OVERHAUL TOOLS FOR OUTAGE, DATED JULY 17, 1981, REQUIRES CLOTH HOODS TO BE WORN WHILE WORKING. SECTION G OF THIS SAME PROCEDURE REQUIRES THAT ALL PERSONNEL ENTERING OR LEAVING A WORK AREA UNDER THE CONTROL OF AN RWP SIGN IN ON THE ACCESS CONTROL SHEET INDICATING NAME, TIME IN AND OUT, AND POCKET DOSIMETER READING IN AND OUT. CONTRARY TO THE ABOVE: 1. ON SEPTEMBER 2, 1981, THREE OUT OF FOUR INDIVIDUALS WORKING ON THE REFUELING FLOOR UNDER RWP NO. 81-963 WITH MATERIAL CONTAMINATED TO 10,000 DPM/100 CM2 (BETA/GAMMA) DID NOT WEAR CLOTH HOODS. 2. ON JUNE 1 AND 2, 1981, AN INDIVIDUAL ENTERED THE ACCESS TO THE DRYWELL PERSONNEL AIRLOCK, AN AREA CONTROLLED BY TWP NO. 81E-1, AND DID NOT SIGN IN OR OUT ON THE ACCESS CONTROL SHEET.
(8121 4)

ENFORCEMENT SUMMARY

10 CFR 19.11 REQUIRES THE POSTING OF COPIES OF ANY NOTICE OF VIOLATION INVOLVING RADIOLOGICAL WORKING CONDITIONS AND ANY RESPONSE FROM THE LICENSEE WITHIN TWO WORKING DAYS OF RECEIPT OF THE NOTICE AND WITHIN TWO WORKING DAYS OF DISPATCH OF THE RESPONSE. CONTRARY TO THE ABOVE, A NOTICE OF VIOLATION DATED JUNE 8, 1981 INVOLVING RADIOLOGICAL WORKING CONDITIONS, AND THE RESPONSE FROM THE LICENSEE DATED JULY 29, 1981, HAD NOT BEEN POSTED AS OF AUGUST 31, 1981.
(8121 5)

CONTRARY TO T.S. 3.2.B & T.S. 3.7.D, THE REACTOR WAS OPERATED AT POWER IN THE RUN MODE WITH 2 RCIC CONTAINMENT ISOLATION VALVES (MOV 1301-16 & 1301-17) INOPERABLE & IN THE OPEN POSITION BETWEEEN 9/12-[illegible]/81.
(8122 3)

AMENDMENT NO. 37 TO FACILITY OPERATING LICENSE NO. DPR-35 INCORPORATES THE PILGRIM NUCLEAR POWER STATION PHYSICAL SECURITY PLAN DATED JANUARY 8, 1979. THE PLAN, WHICH WAS EFFECTIVE ON FEBRUARY 23, 1979, AS SUPPLEMENTED BY REVISION 7, DATED AUGUST 1, 1981, REQUIRES THE FOLLOWING: CHAPTER 1.6, "ACCESS AUTHORIZATION," SECTION 1.6.1, "GENERAL," STATES THAT PERSONNEL GRANTED UNESCORTED ACCESS TO VITAL AREAS WILL BE ISSUED A NUMBERED PHOTO IDENTIFICATION BADGE AND CARD KEY AND THAT THESE BADGES AND KEYS WILL BE CONTROLLED BY STATION SECURITY PROCEDURE. STATION SECURITY PROCEDURE NO. 2.05, "PROTECTED VITAL AREA SECURITY LOCKS, KEYS (METAL), CARD KEYS AND SECURITY RELATED EQUIPMENT KEYS (METAL)," REVISION 8, SECTION II.A, REQUIRES THAT ALL CARD KEYS BE CONTROLLED TO REDUCE THE PROBABILITY OF COMPROMISE. CONTRARY TO THE ABOVE, ON DECEMBER 3, 1981, VITAL AREA ACCESS CARD KEYS WERE NOT CONTROLLED IN THAT THREE VITAL AREA ACCESS CARD KEYS WERE LEFT UNATTENDED IN THE PROTECTED AREA (TURBINE BUILDING 23' AND 51' ELEVATIONS-NON VITAL AREAS).
(8124 3)

CONTRARY TO 50.59, CHANGES WERE MADE TO THE FACILITY AS DESCRIBED IN THE FSAR (RELATING TO DRYWELL COOLING) WITHOUT THE PERFORMANCE OF A SAFETY EVALUATION.

(8124 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XVI, AND TS 6.5.A.6.F AND TS 6.5.B.7.F, MEASURES WERE INEFFECTIVE TO ASSURE THAT INADEQUACIES IN PRIMARY CONTAINMENT COOLING CAPABILITY WERE PROPERLY REVIEWED BY THE ORC AND USNRC, AND PROMPTLY CORRECTED.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, AND TS 6.8.A, STATION PROCEDURE NO. 2.4.44 WAS NOT APPROPRIATED, ESTABLISHED AND IMPLEMENTED FOR THE CONTROL OF DRYWELL TEMPERATURES AND COOLING EQUIPMENT.

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XIV, MEASURES WERE NOT ESTABLISHED TO INDICATE THE CORRECT OPERATING STATUS OF THE REACTOR WATER CLEANUP SYSTEM IN THAT THE BREAKER FOR VALVE 1201-85 WAS INDICATED AS OPEN AND CLOSED AT THE SAME TIME ON TWO DIFFERENT MAINTENANCE REQUESTS. CONTRARY TO PROCEDURE NO. 1.5.5, ALL COMBUSTIBLES WERE NOT REMOVED FROM WITHIN 35 FEET OF HOT WORK (CUSHING/WELDING).
(8124 5)

10 CFR 30.41 PROHIBITS TRANSFER OF BYPRODUCT MATERIAL UNLESS IT IS IN A FORM AUTHORIZED BY THE RECIPIENT'S NRC OR AGREEMENT STATE LICENSE. SOUTH CAROLINA LICENSE #097, AN AGREEMENT STATE LICENSE ISSUED TO CHEM-NUCLEAR SYSTEMS, INC., PROHIBITS THE RECEIPT OF SOLIDIFIED WASTE WITH "DETECTABLE FREE STANDING LIQUID" WHICH IS DEFINED IN THE LICENSE AS LIQUID IN EXCESS OF 0.5 PERCENT BY WASTE VOLUME FOR DRUMS. CONTRARY TO THE ABOVE, ON 7/20/81, A WASTE SHIPMENT OF BYPRODUCT MATERIAL, CONTAINING 0.134 CURIES OF SOLID METALLIC OXIDES ON GRAVEL & TRASH, WAS TRANSFERRED TO CHEM-NUCLEAR SYSTEMS, INC. AT BARNWELL, SC, WITH DETECTABLE FREE STANDING LIQUID (FROM 0.8 TO 1.34 PERCENT LIQUID BY WASTE VOLUME) IN EACH OF 4 DRUMS IN THE SHIPMENT.

(8126 4)

CONTRARY TO FIRE PROTECTION PLAN AND STATION PROCEDURE, SCRAP AREAS, WASTE AND DEBRIS WAS AT UNACCEPTABLE LEVELS AND WAS NOT CLEANED UP FOLLOWING MAINTENANCE.

ENFORCEMENT SUMMARY

CONTRARY TO STATION PROCEDURE, HIGH PRESSURE GAS CYLINDERS INSIDE THE REACTOR BUILDING WERE NOT PROPERLY STORED. FAILURE TO FOLLOW REQUIREMENTS OF STATION PROCEDURE FOR OVERHAUL OF MAIN STEAM ISOLATION VALVES - CONTROL OF FOREIGN MATERIAL. (COVERS OVER PIPING OPENINGS AND NO TOOL CONTROL LOG). CONTRARY TO FIRE PROTECTION PLAN AND STATION PROCEDURE, UNACCEPTABLE AMOUNTS OF COMBUSTIBLE OIL IN UNAPPROVED CONTAINERS WERE LOCATED IN THE REACTOR BUILDING.
(8135 5)

CONTRARY TO 10 CFR 50 APP B, CRIT II; BEQAM PARAGRAPHS 2.2.2.11 AND 12, REG GUIDE 1.33; R.G. 1.39; ANSI N187-1976; ANSI N[illegible].23-1973; AND ANSI N45.21-1973 PROCEDURE ESTABLISHED FOR PLANT HOUSEKEEPING DID NOT CONFORM TO ABOVE STANDARDS AND NO PROGRAM OR PROCEDURES WERE ESTABLISHED FOR CLEARING OF FLUID SYSTEMS OR COMPONENTS.
(8136 5)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, TS 6.8.A INCORPORATING ANSI N18.7, AND GENERAL PLANT OPERATING PROCEDURE 2.11, THE FOLLOWING ARE EXAMPLES OF DRAWINGS AND PROCEDURES NOT BEING APPROPRIATE TO THE CIRCUMSTANCES AND NOT MEETING THE REQUIREMENT TO CONFIRM THAT VALVES ARE PROPERLY ALIGNED. 1. THREE P&ID'S DID NOT IDENTIFY THIRTEEN TEST, VENT AND DRAIN (TV&D) CONNECTIONS EXISTING IN SAFETY RELATED PIPING SYSTEMS AND THE INSTRUMENT AIR SYSTEMS DRAWING M-220 IDENTIFIED ONLY ONE HEADER ISOLATION VALVE INSIDE THE DRYWELL WHEN TWO EXIST. THREE OF THESE T.V & D CONNECTIONS ARE PRIMARY CONTAINMENT BOUNDARIES. 2. THE VALVE LINEUP CHECK LISTS OF THE FOUR APPLICABLE SYSTEM OPERATING PROCEDURES DO NOT IDENTIFY 22 VALVES ASSOCIATED WITH THE T, V & D CONNECTIONS NOTED ABOVE; THEREFORE THEIR POSITIONS ARE NOT CONFIRMED AS REQUIRED.

(8204 4)

CONTRARY TO TS 6.8.A, THE FOLLOWING ARE EXAMPLES WHERE STATION PROCEDURES WEREN'T PROPERLY IMPLEMENTED. 1)ON 4 OCCASIONS, OCTOBER 20, 1981, AND E CEMBER 2, 3, 4, 1981 THE LICENSEE CONDUCTED LOCAL LEAK RATE TESTS ON FEEDWATER CONTAINMENT ISOLATION VALVES 58A AND B WITH AIR. THIS METHOD DID NOT CONFORM TO THE WATER SEAL METHOD PRESCRIBED IN THE INSTRUCTION AND VALVE LINEUP OF PROCEDURE 8.7.1.8, REVISION 6, LOCAL LEAK RATE TEST OF FEEDWATER CHECK VALVES. 2) PROCEDURE 1.3.8, REVISION 25, DOCUMENT CONTROL SECTION 4.C REQUIRES THAT NOTIFICATION BE GIVEN TO THE MANAGEMENT SERVICES GROUP WHEN IT IS OBSERVED THAT P&ID SHOULD BE REVISED. AS OF JANUARY 29, 1982, THIS NOTIFICATION REQUIREMENT HAD NOT BEEN INITIATED BY SEVERAL LICENSEE PERSONNEL WHO WERE AWARE OF CERTAIN DRAWING ERRORS SINCE OCTOBER 1981. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I).
(8204 5)

10CFR50, APPENDIX B, CRITERION II, REQUIRES THAT A QUALITY ASSURANCE PROGRAM BE ESTABLISHED AND THAT THE PROGRAM POLICIES AND PROCEDURES BE CARRIED OUT DURING OPERATION. THE FOREWORD TO THE BOSTON EDISON QUALITY ASSURANCE MANUAL, VOLUME II, STATES THAT THE QUALITY ASSURANCE PROGRAM IS DEFINED WITHIN AND THE MANUAL IS THE GOVERNING DOCUMENT. SECTION 18, PARAGRAPH 18.5.1 OF THE MANUAL STATES, "APPROPRIATE ACTION TO RESOLVE DEFICIENCIES IDENTIFIED DURING INTERNAL AUDITS CONDUCTED BY BECO QA IS TAKEN BY THE COGNIZANT BECO MANAGER BEFORE THE SCHEDULED RESOLUTION DATE." CONTRARY TO THE ABOVE APPROXIMATELY 31 OF 65 RESPONSES TO DEFICIENCY REPORTS (DR'S) WHOSE SCHEDULED (DUE) RESOLUTION DATES WERE BETWEEN OCTOBER 15, 1981, AND JANUARY 30, 1982, HAD EITHER NOT BEEN RESPONDED TO OR HAD SURPASSED THEIR DUE DATES. THE DR IS THE CORRECTIVE ACTION SYSTEM FOR DEFICIENCIES IDENTIFIED DURING AUDITS. EXAMPLES ARE DR'S 671, 778, 795, 800 AND 801.
(8205 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE LICENSEE HAS IDENTIFIED MISSING JUMPERS AROUND SAFEGUARDS VALVE OPENING TORQUE SWITCHES. THESE HAVE BEEN CORRECTED AND AN INSPECTION OF ALL SIMILAR VALVES HAS BEEN INITIATED.

+ DIVERGING REACTOR VESSEL LEVEL INSTRUMENTS HAVE BEEN OBSERVED DURING STARTUP TESTING. BACKFILLING THE REFERENCE LEGS HAS

OTHER ITEMS

CORRECTED THE PROBLEMS. THE LICENSEE IS CONTINUING TO EVALUATE THE CAUSE OF THE 'A' SIDE GEMAC AND YARWAY REFERENCE LEG WATER LOSS.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

+ BOSTON EDISON CO. RESPONDED TO THE ORDER FOR MODIFICATION OF LICENSE (DTD 1/18/82) ON 3/18/82 WITH A PERFORMANCE IMPROVEMENT PROGRAM. THIS PROGRAM INCLUDES A REORGANIZATION AND EVALUATION OF MANAGEMENT CONTROLS BY INDEPENDENT GROUPS (MAC AND A PEER GROUP).

PLANT STATUS:

+ THE PLANT IS PRESENTLY IN STARTUP TESTING FOLLOWING A SIX MONTH OUTAGE. INITIAL CRITICALITY WAS ACHIEVED (ON CYCLE III) ON MARCH 26, 1982.

LAST IE SITE INSPECTION DATE: 3/1 - 4/4/82 +

INSPECTION REPORT NO: 50-293/82-10 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-003/ 99L	02/01/82	03/02/82	ORGANIZATION CHANGE
82-006/ 01T	03/09/82	03/19/82	HPCI STOP VALVE MAIN DISC FLANGE BROKEN CAP SCREWS
82-007/ 01X	03/24/82	03/25/82	HIGH FLOW ISOLATION SETPOINTS HPCI/RCIC/CWCU CALCULATED LESS THAN REQUIRED BY T.S.
82-008/ 01X	03/31/82	04/01/82	HPCI INJECTION VALVE INOPERABLE

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1. Docket: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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:

SELF-IMPOSED H.L. TEMP. LIMIT-S/G TUBE CORROSION

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	99,936.0
13. Hours Reactor Critical	607.7	2,009.0	82,362.2
14. Rx Reserve Shtdwn Hrs	.0	10.5	617.8
15. Hrs Generator On-Line	602.6	1,986.1	79,958.3
16. Unit Reserve Shtdwn Hrs	.0	21.6	785.9
17. Gross Therm Ener (MWH)	792,690	2,592,703	109,945,543
18. Gross Elec Ener (MWH)	265,900	869,310	36,890,590
19. Net Elec Ener (MWH)	252,939	827,870	35,109,078
20. Unit Service Factor	81.0	91.9	80.0
21. Unit Avail Factor	81.0	92.9	80.8
22. Unit Cap Factor (MDC Net)	68.7	77.4	72.0*
23. Unit Cap Factor (DER Net)	68.4	77.1	70.7
24. Unit Forced Outage Rate	.0	.6	3.1
25. Forced Outage Hours	.0	12.8	2,399.3

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

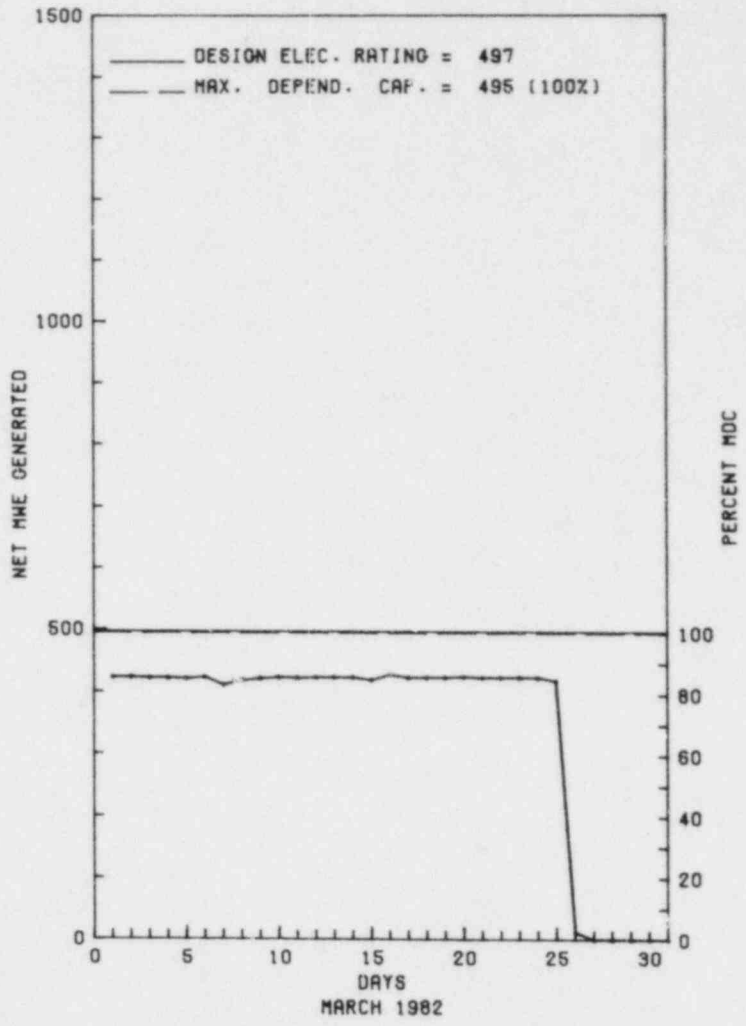
NONE

27. If Currently Shutdown Estimated Startup Date: 04/10/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

POINT BEACH 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	03/26/82	S	141.4	B	1	82-007/01T-0	CB		THE UNIT WAS TAKEN OFF LINE ON 03/26/82 FOR A SCHEDULED STEAM GENERATOR TUBE INSPECTION. A HYDROSTATIC TEST OF BOTH STEAM GENERATORS ON 03/29/82 REVEALED THREE LEAKING PLUGS IN THE "B" STEAM GENERATOR AND ONE LEAKING PLUG IN THE "A" STEAM GENERATOR. EDDY CURRENT EXAMINATION IS IN PROGRESS.

SUMMARY

THE UNIT OPERATED NORMALLY DURING MARCH UNTIL THE 26TH, WHEN THE UNIT WAS TAKEN OFFLINE 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...NOVEMBER 2, 1970

DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970

DATE COMMERCIAL OPERATE....DECEMBER 21, 1970

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. GULDEMOND

LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266

LICENSE & DATE ISSUANCE....DPR-24, OCTOBER 5, 1970

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POOL CAPACITY INCREASE
AMENDMENT ONLY)

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 30, (82-04): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE BY THREE INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 22-26, (82-06): 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 PROGRAM. THE INSPECTOR ALSO REVIEWED THE LICENSEE'S ACTIONS TAKEN IN RESPONSE TO PREVIOUS INSPECTION FINDINGS AND IE CIRCULARS; THE POST-ACCIDENT SAMPLING SYSTEM; AND LEAKAGE OF TRITIUM INTO THE SUBSOIL DRAINAGE SYSTEM. THE INSPECTION INVOLVED 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 2-3, (82-07): ROUTINE, ANNOUNCED INSPECTION OF UNIT 1 CYCLE 10 CONTROL ROD DROP TIME TESTS; CONTROL ROD DRIVE AND POSITION INDICATION CHECKS; REACTOR THERMOCOUPLE/RTD CROSS CALIBRATION; INCORE/EXCORE CALIBRATIONS; TARGET AXIAL FLUX DIFFERENCE CALCULATION; CONTROL ROD WORTH MEASUREMENTS; REACTOR SHUTDOWN MARGIN DETERMINATION; ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT; POWER COEFFICIENT OF REACTIVITY MEASUREMENT; CORE THERMAL POWER EVALUATION; CORE POWER DISTRIBUTION LIMITS; DETERMINATION OF REACTIVITY ANOMALIES; PREVIOUSLY IDENTIFIED INSPECTION ITEMS. THE INSPECTION INVOLVED A TOTAL OF 12

INSPECTION SUMMARY

INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS ONSITE DURING 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:

S/G TUBE INSPECTION. RESTART DATE 4/07/82.

LAST IE SITE INSPECTION DATE: MARCH 2 AND 3, 1982

INSPECTION REPORT NO: 82-07

REPORTS FROM LICENSEE

POINT BEACH 1

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-03/ 01T-0	02/17/82	03/02/82	EDG 3D FAILED TO START WHEN ATTEMPTING TO PERFORM SUR. TESTING AS REQUIRED BY T.S. 15.4.6.A.1.
82-04/ 03L-0	02/06/82	03/04/82	DURING PERFORMANCE OF INSERVICE TEST IT-140, DIFFERENTIAL PRESSURE INSTRUMENT 4007 WAS FOUND ISOLATED.
82-05/ 01T-0	02/22/82	03/08/82	2 FUEL ASSEMBLIES, WITH LESS THAN 1 YR. COOLING PERIOD, WERE MISPLACED. IT WAS BROUGHT TO THE ATTENTION OF THE SUPT. EQ&R.
82-06/ 01T-0	03/11/82	03/25/82	TYPE 'B' AND 'C' LEAKAGE TESTS IND. THAT 1 VALVE HAD LEAKAGE IN EXCESS OF THE T.S. LIMITS.

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1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	84,721.0
13. Hours Reactor Critical	744.0	2,160.0	76,550.4
14. Rx Reserve Shtdwn Hrs	.0	.0	193.0
15. Hrs Generator On-Line	744.0	2,160.0	75,218.6
16. Unit Reserve Shtdwn Hrs	.0	.0	178.0
17. Gross Therm Ener (MWH)	1,091,347	3,203,566	103,460,410
18. Gross Elec Ener (MWH)	372,780	1,085,270	35,108,280
19. Net Elec Ener (MWH)	356,315	1,038,993	33,422,459
20. Unit Service Factor	100.0	100.0	88.8
21. Unit Avail Factor	100.0	100.0	89.0
22. Unit Cap Factor (MDC Net)	96.9	97.2	80.3*
23. Unit Cap Factor (DER Net)	96.5	96.8	79.4
24. Unit Forced Outage Rate	.0	.0	1.6
25. Forced Outage Hours	.0	.0	652.5

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

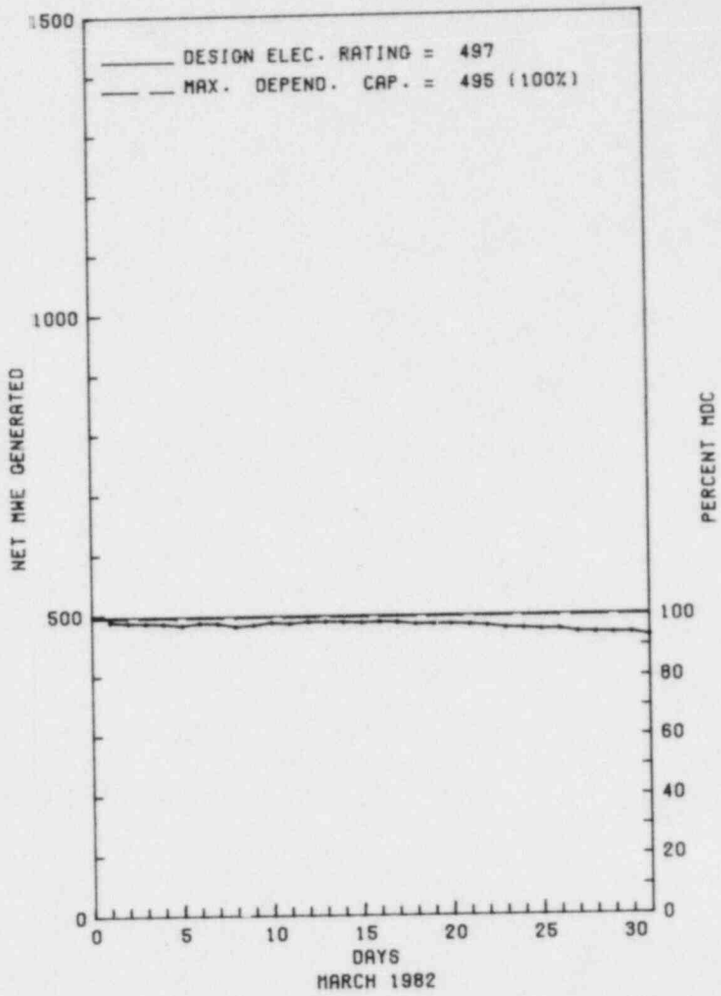
REFUELING AND BACKFITTING - 04/16/83 - 6 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 2



* Item calculated with a Weighted Average

Report Period MAR 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 FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

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

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....MANITOWOC

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...MAY 30, 1972

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

DATE COMMERCIAL OPERATE....OCTOBER 1, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....W. GULDEMOND

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 JANUARY 30, (82-04): SPECIAL ANNOUNCED INSPECTION OF PROMPT PUBLIC NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 12 INSPECTOR-HOURS ONSITE BY THREE INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON FEBRUARY 22-26, (82-06): ROUTINE, UNANNOUNCED INSPECTION OF OPERATIONAL RADIATION PROTECTION ACTIVITIES INCLUDING: EFFLUENT CONTPOL 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 PROGRAM. THE INSPECTOR ALSO REVIEWED THE LICENSEE'S ACTIONS TAKEN IN RESPONSE TO PREVIOUS INSPECTION FINDINGS AND IE CIRCULARS; THE POST-ACCIDENT SAMPLING SYSTEM; AND LEAKAGE OF TRITIUM INTO THE SUBSOIL DRAINAGE SYSTEM. THE INSPECTION INVOLVED 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON MARCH 2-3, (82-07): ROUTINE, ANNOUNCED INSPECTION OF UNIT 1 CYCLE 10 CONTROL ROD DROP TIME TESTS; CONTROL ROD DRIVE AND POSITION INDICATION CHECKS; REACTOR THERMOCOUPLE/RTD CROSS CALIBRATION; INCORE/EXCORE CALIBRATIONS; TARGET AXIAL FLUX DIFFERENCE CALCULATION; CONTROL ROD WORTH MEASUREMENTS; REACTOR SHUTDOWN MARGIN DETERMINATION; ISOTHERMAL TEMPERATURE COEFFICIENT MEASUREMENT; POWER COEFFICIENT OF REACTIVITY MEASUREMENT; CORE THERMAL POWER EVALUATION; CORE POWER DISTRIBUTION LIMITS; DETERMINATION OF REACTIVITY ANOMALIES; PREVIOUSLY IDENTIFIED INSPECTION ITEMS. THE INSPECTION INVOLVED A TOTAL OF 12

INSPECTION SUMMARY

INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS ONSITE DURING 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:

ROUTINE PLANT OPERATION AT 94 PERCENT POWER.

LAST IE SITE INSPECTION DATE: MARCH 2 & 3, 1982

INSPECTION REPORT NO: 82-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-282 OPERATING STATUS
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	72,672.0
13. Hours Reactor Critical	744.0	2,160.0	58,181.1
14. Rx Reserve Shtdwn Hrs	.0	.0	5,556.9
15. Hrs Generator On-Line	*744.0	2,160.0	56,954.9
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,221,195	3,517,868	88,735,891
18. Gross Elec Ener (MWH)	403,580	1,161,240	28,741,340
19. Net Elec Ener (MWH)	380,055	1,093,223	26,877,622
20. Unit Service Factor	100.0	100.0	78.4
21. Unit Avail Factor	100.0	100.0	78.4
22. Unit Cap Factor (MDC Net)	101.6	100.6	73.5
23. Unit Cap Factor (DER Net)	96.4	95.5	69.8
24. Unit Forced Outage Rate	.0	.0	10.3
25. Forced Outage Hours	.0	.0	2,864.6

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

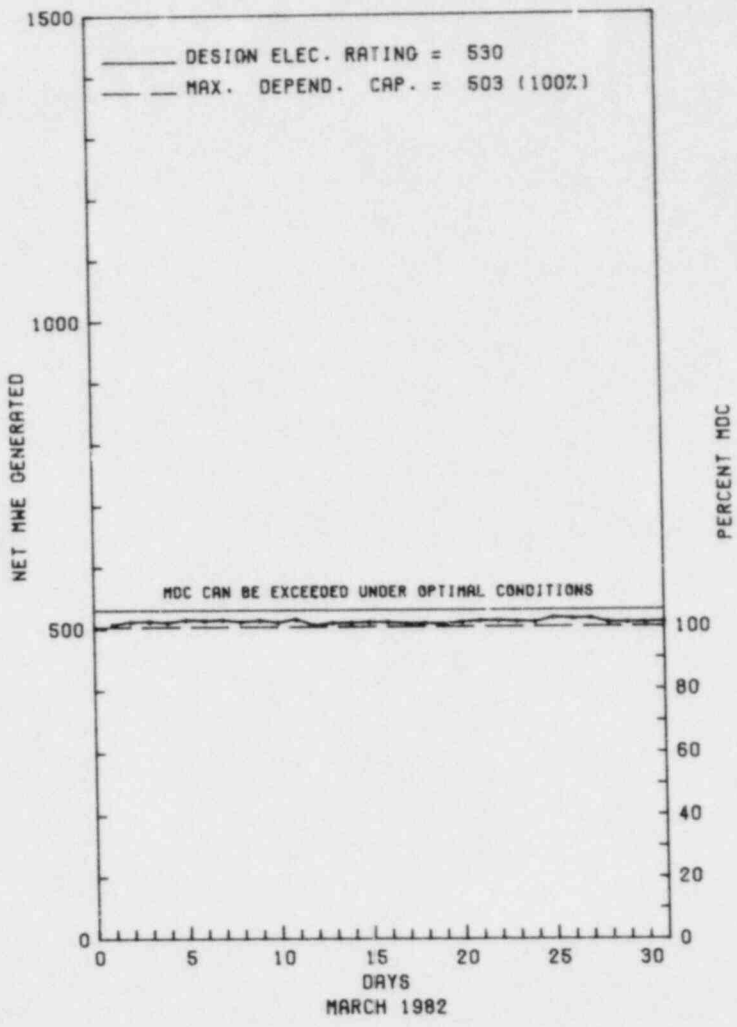
REFUELING - FALL 1982, 6 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

PRAIRIE ISLAND 1 OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

Type	Reason		Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-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 MAR 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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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 1-31, (82-01): ROUTINE RESIDENT INSPECTION OF PLANT OPERATION, MAINTENANCE, SURVEILLANCE, SECURITY, TRAINING, RADIATION PROTECTION, FOLLOWUP ON IE BULLETINS, FOLLOWUP ON IE CIRCULARS, FOLLOWUP OF LICENSEE EVENT REPORTS, FOLLOWUP ON PLANT TRIPS, AND FOLLOWUP OF REGIONAL REQUESTS. THE INSPECTION INVOLVED 147 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 36 INSPECTOR HOURS ONSITE DURING OFFSHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF EVENT REPORT REVIEW (FAILURE TO FOLLOW PROCEDURE).

INSPECTION ON JANUARY 19-29, (82-02): SPECIAL ANNOUNCED INSPECTION OF PROMPT NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 42 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 19-22, (82-03): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS TAKEN IN RESPONSE TO POST-TMI REQUIREMENTS, TWO PREVIOUS ITEMS OF NONCOMPLIANCE, A PREVIOUS UNRESOLVED ITEM, AND OTHER OPEN INSPECTION ITEMS. 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:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 19-22, 1982

INSPECTION REPORT NO: 82-03

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-01/ 03L-0	01/25/82	02/24/82	DURING SUR. TEST ONE OVERPOWER DELTA T SUMMING UNIT WAS FOUND OUT OF SPEC.
82-03/ 03L-0	02/09/82	03/12/82	INOPERABILITY OF ONE STEAM EXCLUSION DAMPER.

1. Docket: 50-306 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	63,790.0
13. Hours Reactor Critical	736.6	2,147.7	54,882.6
14. Rx Reserve Shtdwn Hrs	.0	.0	1,516.1
15. Hrs Generator On-Line	734.9	2,141.4	54,007.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,181,938	3,447,226	84,694,411
18. Gross Elec Ener (MWH)	386,340	1,128,430	27,189,840
19. Net Elec Ener (MWH)	363,107	1,060,955	25,461,669
20. Unit Service Factor	98.8	99.1	84.7
21. Unit Avail Factor	98.8	99.1	84.7
22. Unit Cap Factor (MDC Net)	97.6	98.2	79.8
23. Unit Cap Factor (DER Net)	92.1	92.7	75.3
24. Unit Forced Outage Rate	1.2	.9	5.5
25. Forced Outage Hours	9.1	18.6	3,275.4

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

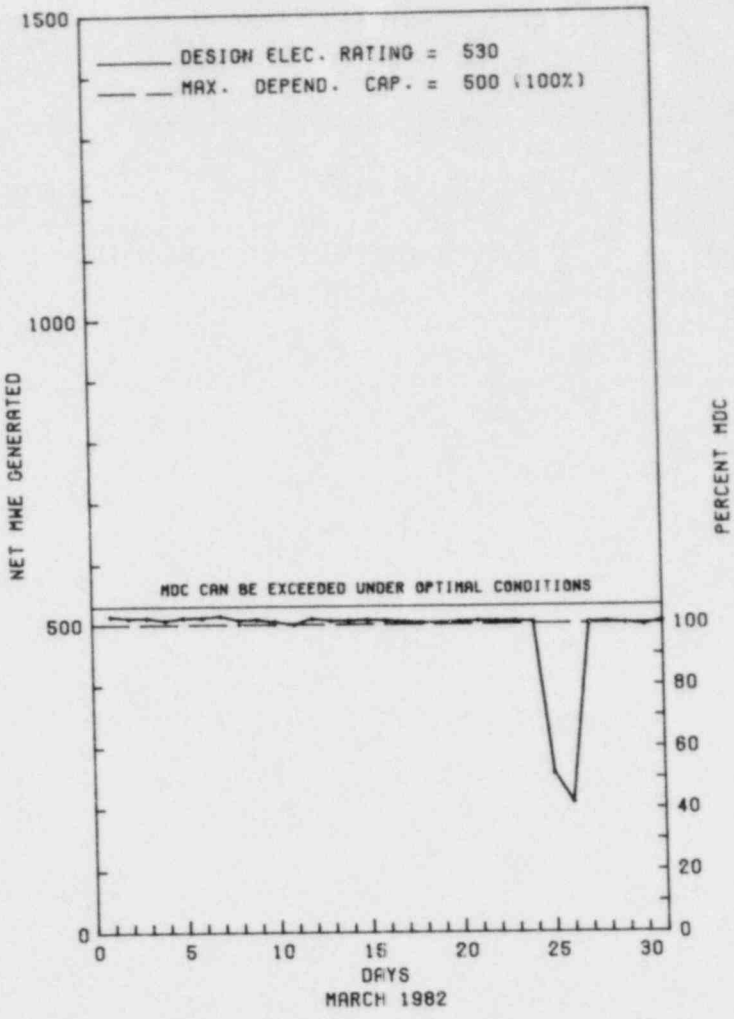
REFUELING, SUMMER 1982, 6 WEEKS.

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

PRAIRIE ISLAND 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	03/25/82	F	9.1	G	3				ERROR ON SURVEILLANCE TEST. POWER WAS LIMITED TO <50% FOR A DAY DUE TO FLUX DIFFERENCE LIMITATIONS.

SUMMARY

PRAIRIE ISLAND 2 OPERATED AT FULL POWER DURING MARCH WITH 1 OUTAGE ON THE 25TH DUE TO OPERATIONAL ERROR.

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

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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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JANUARY 1-31, (82-01): ROUTINE RESIDENT INSPECTION OF PLANT OPERATION, MAINTENANCE, SURVEILLANCE, SECURITY, TRAINING, RADIATION PROTECTION, FOLLOWUP ON IE BULLETINS, FOLLOWUP ON IE CIRCULARS, FOLLOWUP OF LICENSEE EVENT REPORTS, FOLLOWUP ON PLANT TRIPS, AND FOLLOWUP OF REGIONAL REQUESTS. THE INSPECTION INVOLVED 147 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 36 INSPECTOR HOURS ONSITE DURING OFFSHIFTS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN TEN AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREA OF EVENT REPORT REVIEW (FAILURE TO FOLLOW PROCEDURE).

INSPECTION ON JANUARY 19-29, (82-02): SPECIAL ANNOUNCED INSPECTION OF PROMPT NOTIFICATION/WARNING SYSTEM AND TESTING OF THE SYSTEM. THE INSPECTION INVOLVED 42 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND AN IN-OFFICE REVIEW BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JANUARY 19-22, (82-03): ROUTINE, UNANNOUNCED INSPECTION OF ACTIONS TAKEN IN RESPONSE TO POST-TMI REQUIREMENTS, TWO PREVIOUS ITEMS OF NONCOMPLIANCE, A PREVIOUS UNRESOLVED ITEM, AND OTHER OPEN INSPECTION ITEMS. 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:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 19-22, 1982

INSPECTION REPORT NO: 82-03

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
82-02/ 03L-0	01/25/82	02/24/82	DURING SUR. TEST ONE OVERPOWER DELTA T SUMMING UNIT WAS FOUND OUT OF SPEC.
82-04/ 03L-0	02/26/82	03/24/82	INOPERABILITY OF NO. 22 AUXILIARY FEEDWATER PUMP.

1. Docket: 50-254 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	86,664.0
13. Hours Reactor Critical	738.8	2,144.4	71,243.5
14. Rx Reserve Shtdwn Hrs	.0	.0	3,421.9
15. Hrs Generator On-Line	734.8	2,134.7	68,265.6
16. Unit Reserve Shtdwn Hrs	.0	.0	909.2
17. Gross Therm Ener (MWH)	1,686,197	5,006,518	140,064,877
18. Gross Elec Ener (MWH)	547,656	1,639,540	45,168,473
19. Net Elec Ener (MWH)	505,623	1,521,233	42,105,317
20. Unit Service Factor	98.8	98.8	78.8
21. Unit Avail Factor	98.8	98.8	79.8
22. Unit Cap Factor (MDC Net)	88.4	91.6	63.2
23. Unit Cap Factor (DER Net)	86.1	89.3	61.6
24. Unit Forced Outage Rate	1.2	1.2	6.7
25. Forced Outage Hours	9.2	25.3	2,523.7

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

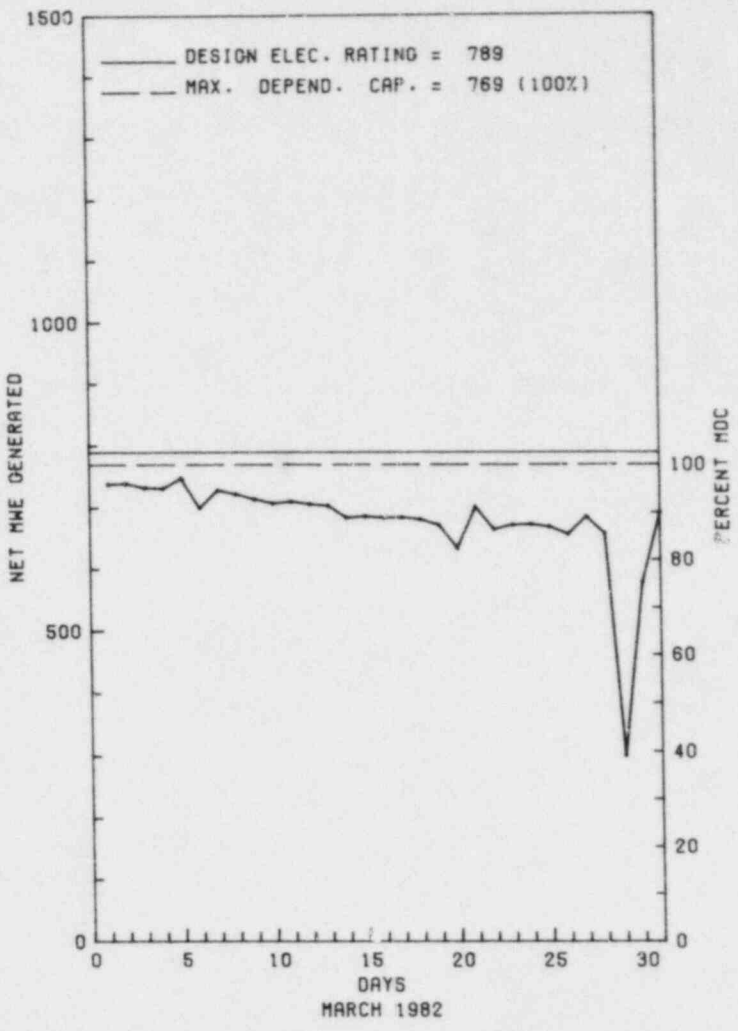
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-8	03/06/82	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION TO PERFORM TURBINE TESTS.
82-9	03/12/82	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION TO PERFORM TURBINE TESTS.
82-10	03/19/82	S	0.0	B	5		RB	CONROD	LOAD REDUCTION TO PERFORM TURBINE TESTS AND PERFORM CONTROL ROD MANEUVERS.
82-11	03/29/82	F	9.2	A	3		HJ	XXXXXX	REACTOR SCRAM ON CONDENSER LOW VACUUM DUE TO LOOP SEAL BLOWING THROUGH.

SUMMARY

QUAD CITIES 1 OPERATED ROUTINELY DURING MARCH.

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		

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

FACILITY DATA

Report Period MAR 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

EMERGENCY PREPAREDNESS APPRAISAL ON JANUARY 18-27 AND FEBRUARY 8, (82-02): SPECIAL ANNOUNCED APPRAISAL OF THE STATE OF ONSITE EMERGENCY PREPAREDNESS AT THE QUAD-CITIES NUCLEAR GENERATING STATION INVOLVED SEVEN GENERAL AREAS: ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM; EMERGENCY ORGANIZATION; TRAINING; EMERGENCY FACILITIES AND EQUIPMENT; PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN; COORDINATION WITH OFFSITE AGENCIES; AND EXERCISES, DRILLS, AND WALK-THROUGHS. THE INSPECTION INVOLVED 298 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL SIGNIFICANT FINDINGS WERE IDENTIFIED IN THE AREAS OF EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES, AND EXERCISES, DRILLS, AND WALK-THROUGHS.

INSPECTION ON JANUARY 9 THROUGH FEBRUARY 22, (82-03): TMI ACTION PLAN FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, SURVEILLANCE, MONTHLY SURVEILLANCE OBSERVATION, LICENSEE EVENT REPORTS FOLLOWUP, IE CIRCULAR FOLLOWUP, IE INFORMATION FOLLOWUP, FOLLOWUP ON HEADQUARTERS REQUEST, FOLLOWUP ON REGIONS REQUEST, PLANT SCRAM, REVIEW OF PLANT OPERATIONS, AND EXIT INTERVIEW. THE INSPECTION INVOLVED 347 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 85 INSPECTOR HOURS ONSITE DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED

ENFORCEMENT SUMMARY

INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." CONTRARY TO THE ABOVE, THE EDS IE BULLETIN 79-14 EVALUATION PROCEDURE DID NOT SPECIFY THAT (1) AN OPERABILITY ANALYSIS BE PERFORMED FOR THE PIPING SUSPENSION SYSTEM PRIOR TO DECLARING THE SYSTEM TO BE OPERABLE, AND (2) SAFETY RELIEF VALVE THRUST LOADS BE INCLUDED IN THE PIPING STRESS CALCULATIONS. 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." THE BECHTEL POWER CORPORATION IE BULLETIN 79-14 WALKDOWN INSPECTION PROCEDURE ESTABLISHED FOR DRESDEN AND QUAD CITIES REQUIRES THAT PIPE WHIP RESTRAINT CLEARANCE SHOULD BE MEASURED IN THE SAME MANNER AS FOR SLEEVES AND PENETRATIONS, GIVING SUFFICIENT DIMENSIONS TO LOCATE THE PIPE POSITION IN THE SLEEVE. CONTRARY TO THE ABOVE, THE PIPE WHIP RESTRAINT GAPS WERE NOT MEASURED DURING THE IE BULLETIN 79-14 SYSTEM WALKDOWN INSPECTION. 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." CONTRARY TO THE ABOVE, THE EDS IE BULLETIN 79-14 EVALUATION PROCEDURE DID NOT SPECIFY THAT (1) AN OPERABILITY ANALYSIS BE PERFORMED FOR THE PIPING SUSPENSION SYSTEM PRIOR TO DECLARING THE SYSTEM TO BE OPERABLE, AND (2) SAFETY RELIEF VALVE THRUST LOADS BE INCLUDED IN THE PIPING STRESS CALCULATIONS. 10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART THAT, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS...AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS." COMMONWEALTH EDISON COMPANY TOPICAL REPORT CE-1-A, "QUALITY ASSURANCE PROGRAM FOR NUCLEAR GENERATING STATIONS," REVISION 15, DATED JANUARY 2, 1981, STATES IN SECTION 5 THAT "THE QUALITY ASSURANCE ACTIONS CARRIED OUT FOR DESIGN, CONSTRUCTION, TESTING, AND OPERATION ACTIVITIES WILL BE DESCRIBED IN DOCUMENTED INSTRUCTIONS, PROCEDURES, DRAWINGS, SPECIFICATIONS, OR CHECKLISTS. THESE DOCUMENTS WILL ASSIST PERSONNEL IN ASSURING THAT IMPORTANT ACTIVITIES HAVE BEEN PERFORMED. THESE DOCUMENTS WILL ALSO REFERENCE APPLICABLE ACCEPTANCE CRITERIA WHICH MUST BE SATISFIED TO ASSURE THAT THE QUALITY RELATED ACTIVITY HAS BEEN PROPERLY CARRIED OUT." THE BECHTEL POWER CORPORATION IE BULLETIN 79-14 WALKDOWN INSPECTION PROCEDURE ESTABLISHED FOR DRESDEN AND QUAD CITIES REQUIRES THAT PIPE WHIP RESTRAINT CLEARANCE SHOULD BE MEASURED IN THE SAME MANNER AS FOR SLEEVES AND PENETRATIONS, GIVING SUFFICIENT DIMENSIONS TO LOCATE THE PIPE POSITION IN THE SLEEVE. CONTRARY TO THE ABOVE, THE PIPE WHIP RESTRAINT GAPS WERE NOT MEASURED DURINC THE IE BULLETIN 79-14 SYSTEM WALKDOWN INSPECTION.
(8201 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING AT 67 PERCENT POWER.

LAST IE SITE INSPECTION DATE: JANUARY 9 THROUGH FEBRUARY 22, 1982

INSPECTION REPORT NO: 82-03

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
82-01/ ...-0	01/13/82	02/10/82	LEVEL SWITCH LIS-1-263-72A WAS DAMAGED AND THUS MADE INOPERABLE.
82-02/ 03L-0	02/02/82	02/26/82	THE 1/2 EMERGENCY DIESEL GENERATOR MONTHLY PREVENTATIVE MAINTENANCE WAS PERFORMED AND 'FAILURE TO START' ALARM OCCURRED.
82-03/ 03L-0	02/05/82	02/26/82	THE LEVEL OF SIGHTGLASS OF SUPP. POOL WAS LESS THAN T.S. LIMITS.

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1. Docket: 50-265 OPERATING STATUS
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	85,774.0
13. Hours Reactor Critical	736.8	1,099.7	65,951.6
14. Rx Reserve Shtdwn Hrs	.0	.0	2,985.8
15. Hrs Generator On-Line	732.9	1,079.8	63,320.9
16. Unit Reserve Shtdwn Hrs	.0	.0	702.9
17. Gross Therm Ener (MWH)	1,750,579	2,378,293	130,265,376
18. Gross Elec Ener (MWH)	567,002	766,177	41,472,417
19. Net Elec Ener (MWH)	542,600	722,760	38,847,344
20. Unit Service Factor	98.5	50.0	73.8
21. Unit Avail Factor	98.5	50.0	74.6
22. Unit Cap Factor (MDC Net)	94.8	43.5	58.9
23. Unit Cap Factor (DER Net)	92.4	42.4	57.4
24. Unit Forced Outage Rate	1.5	50.0	9.8
25. Forced Outage Hours	11.1	1,080.2	2,984.7

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

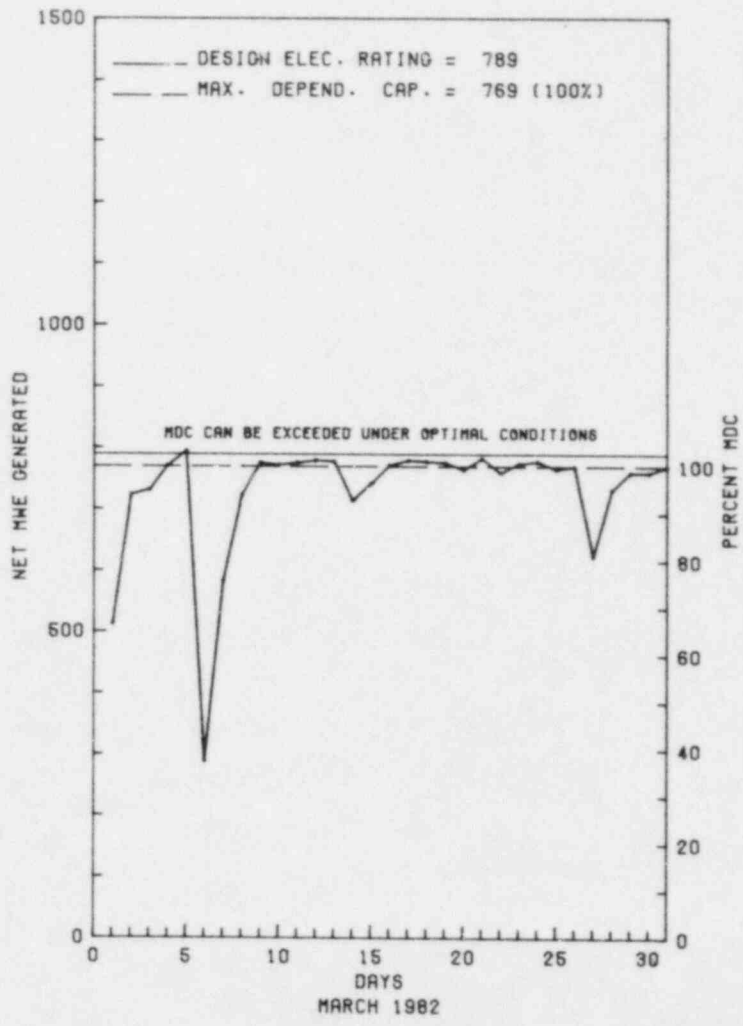
NONE

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

QUAD CITIES 2

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-4	03/06/82	F	11.1	A	3		CH	VALVOP	REACTOR SCRAM ON VESSEL HIGH WATER LEVEL DUE TO "B" FEEDWATER REGULATING VALVE FAILING IN THE OPEN POSITION.
82-5	03/13/82	S	0.0	B	5		CB	XXXXXX	LOAD REDUCTION TO PERFORM FLOW DROP TEST AND PERFORM TURBINE TESTS.
82-6	03/15/82	F	0.0	A	5		WC	DEMINX	LOAD REDUCTION DUE TO DEMINERALIZER PROBLEMS.
82-7	03/20/82	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION TO PERFORM TURBINE TESTS.
82-8	03/27/82	S	0.0	B	5		RB	CONROD	LOAD REDUCTION TO PERFORM CONTROL ROD MANEUVERS.
82-9	03/30/82	F	0.0	A	5		CH	VALVOP	LOAD REDUCTION TO ISOLATE "A" FEEDWATER REGULATING VALVE WHEN THE VALVE STARTED TO DRIFT OPEN.

SUMMARY

QUAD CITIES 2 OPERATED WITH 1 OUTAGE AND SEVERAL REDUCTIONS DUE TO MAINTENANCE, TESTING AND 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)

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....ROCK ISLAND

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI NE OF
MOLINE, ILL

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...APRIL 26, 1972

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

DATE COMMERCIAL OPERATE....MARCH 10, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....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

EMERGENCY PREPAREDNESS APPRAISAL ON JANUARY 18-27 AND FEBRUARY 8, (82-02): SPECIAL ANNOUNCED APPRAISAL OF THE STATE OF ONSITE EMERGENCY PREPAREDNESS AT THE QUAD-CITIES NUCLEAR GENERATING STATION INVOLVED SEVEN GENERAL AREAS: ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM; EMERGENCY ORGANIZATION; TRAINING; EMERGENCY FACILITIES AND EQUIPMENT; PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN; COORDINATION WITH OFFSITE AGENCIES; AND EXERCISES, DRILLS, AND WALK-THROUGHS. THE INSPECTION INVOLVED 298 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED; HOWEVER, SEVERAL SIGNIFICANT FINDINGS WERE IDENTIFIED IN THE AREAS OF EMERGENCY FACILITIES AND EQUIPMENT, PROCEDURES, AND EXERCISES, DRILLS, AND WALK-THROUGHS.

INSPECTION ON JANUARY 9 THROUGH FEBRUARY 22, (82-03): TMI ACTION PLAN FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, SURVEILLANCE, MONTHLY SURVEILLANCE OBSERVATION, LICENSEE EVENT REPORTS FOLLOWUP, IE CIRCULAR FOLLOWUP, IE INFORMATION FOLLOWUP, FOLLOWUP ON HEADQUARTERS REQUEST, FOLLOWUP ON REGIONS REQUEST, PLANT SCRAM, REVIEW OF PLANT OPERATIONS, AND EXIT INTERVIEW. THE INSPECTION INVOLVED 347 INSPECTOR HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 85 INSPECTOR HOURS ONSITE DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON JANUARY 18 THROUGH FEBRUARY 17, (82-04): REPLACEMENT, REPAIR, WELDING AND NONDESTRUCTIVE EXAMINATIONS OF THE REACTOR WATER CLEANUP SYSTEM PIPING; AND IE BULLETIN NO. 81-01 ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 95 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:

THE UNIT IS OPERATING AT 99 PERCENT POWER.

LAST IE SITE INSPECTION DATE: JANUARY 18 THROUGH FEBRUARY 17, 1982

INSPECTION REPORT NO: 82-04

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-312 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	60,961.0
13. Hours Reactor Critical	744.0	2,152.6	37,389.2
14. Rx Reserve Shtdwn Hrs	.0	.0	6,458.6
15. Hrs Generator On-Line	744.0	2,104.7	35,875.1
16. Unit Reserve Shtdwn Hrs	.0	.0	1,210.2
17. Gross Therm Ener (MWH)	1,209,785	4,622,240	90,517,352
18. Gross Elec Ener (MWH)	404,352	1,549,752	30,311,181
19. Net Elec Ener (MWH)	374,224	1,457,917	28,615,035
20. Unit Service Factor	100.0	97.4	58.8
21. Unit Avail Factor	100.0	97.4	60.8
22. Unit Cap Factor (MDC Net)	57.6	77.3	53.8
23. Unit Cap Factor (DER Net)	54.8	73.5	51.1
24. Unit Forced Outage Rate	.0	.7	29.9
25. Forced Outage Hours	.0	14.2	15,216.9

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

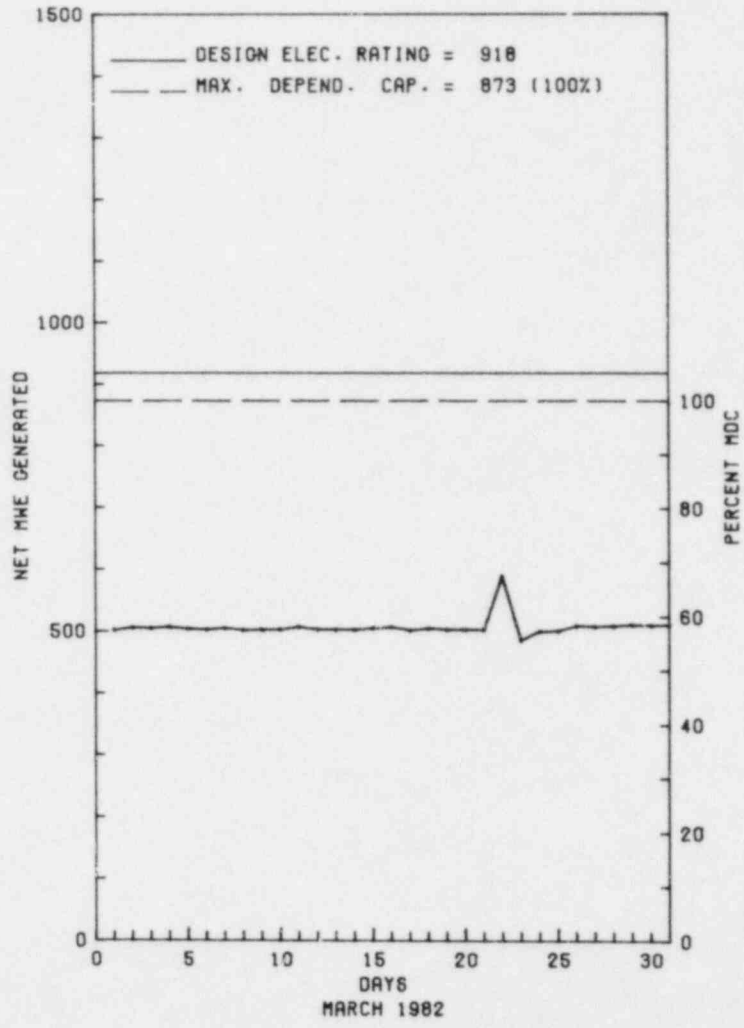
HPI NOZZLE INSPECTION, 82-04-03, THREE WEEKS

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

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

****
* SUMMARY *
****

RANCHO SECO OPERATED ROUTINELY DURING MARCH.

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

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

FACILITY DATA

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.....M. PADOVAN
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 JANUARY 12-15, 1982 (REPORT NO. 50-312/82-02) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONAL BASED INSPECTOR OF LICENSEE ACTIVITIES RELATED TO PLANT MODIFICATIONS INCLUDING: REVIEW OF CONSTRUCTION AND QUALITY IMPLEMENTING PROCEDURES; OBSERVATION OF WORK ACTIVITIES; HANDLING AND STORAGE OF MATERIAL; AND DRAWING CONTROL ACTIVITIES. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE SIX AREAS EXAMINED, THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED WHICH ARE DESCRIBED IN THE INSPECTION REPORT.

+ INSPECTION IN JUNE, 1980 - JUNE, 1981 (REPORT NO. 50-312/82-03) SALP REPORT BEING PREPARED.

+ INSPECTION ON FEBRUARY 01-26, 1982 (REPORT NO. 50-312/82-06) AREAS INSPECTED: OPERATIONAL SAFETY VERIFICATION; MAINTENANCE OBSERVATIONS; SURVEILLANCE OBSERVATIONS; REVIEW OF PLANT OPERATIONS; LICENSEE EVENT REPORT FOLLOW-UP; FOLLOW-UP ON TMI MODIFICATIONS; FOLLOW-UP ON HEADQUARTERS' REQUESTS; FOLLOW-UP ON REGIONAL OFFICE REQUESTS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 168 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 08, 1982 (REPORT NO. 50-312/82-07) AREAS INSPECTED: OBSERVATION OF AN IAEA AD HOC INSPECTION TO AUDIT THE LICENSEE'S RECORDS AND REPORTS; TO SERVICE THE SURVEILLANCE CAMERAS; AND TO EVALUATE AN INSTRUMENT FOR THE DETECTION OF "CERENKOV

INSPECTION SUMMARY

RADIATION" AROUND SPENT FUEL ASSEMBLIES IN THE SPENT FUEL POOL. THE INSPECTION INVOLVED SEVEN INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 11, - MARCH 10, 1982 (REPORT NO. 50-312/82-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 12, 1982 (REPORT NO. 50-312/82-09) THIS WAS A SPECIAL SAFETY INSPECTION CONDUCTED AT BURLINGTON NORTHERN AIRFREIGHT AT 2465 WYANDOTTE, MOUNTAIN VIEW, CALIFORNIA, TO OBSERVE A SHIPMENT OF RADIOACTIVE MATERIAL. ON THE EVENING OF MARCH 11, 1982, A BURLINGTON NORTHERN AIRFREIGHT EMPLOYEE NOTIFIED THE NRC REGION V OFFICE THAT A FIFTY-FIVE GALLON DRUM FROM THE RANCHO SECO NUCLEAR GENERATING STATION WAS OBSERVED TO HAVE A PERFORATION THAT WAS ABOUT THE SIZE OF A NAIL HOLE. THE EMPLOYEE REPORTED THAT THERE WAS NO OBSERVABLE LEAKAGE FROM THE CONTAINER. THE MARCH 12, 1982 SAFETY INSPECTION INCLUDED RADIATION SURVEYS AND CONTAMINATION WIPES; EXAMINATION OF PACKAGING CONDITIONS; PACKAGE MARKING AND LABELING; A REVIEW OF SHIPPING RECORDS; AND DISCUSSIONS WITH LICENSEE AND BURLINGTON NORTHERN AIRFREIGHT REPRESENTATIVES. THE INSPECTION INVOLVED TWO INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: THE PACKAGE APPEARED TO BE IN GOOD CONDITION WITH THE EXCEPTION OF THE PERFORATION THAT WAS THE SIZE OF A NAIL HOLE. NO LEAKAGE WAS OBSERVED. THE PUNCTURE COULD HAVE OCCURRED DURING TRANSPORT. NO ITEMS OF NONCOMPLIANCE WITH NRC OR DOT REGULATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 22-26, 1982 (REPORT NO. 50-312/82-10) AREAS INSPECTED: ORGANIZATION AND STAFFING; TRAINING; PHOTO RETRIEVAL SYSTEM; AUDITS; WASTE MANAGEMENT; REPORTABLE OCCURRENCE FOLLOW-UP; NONCOMPLIANCE FOLLOW-UP; IE CIRCULAR FOLLOW-UP; FACILITY TOUR AND HEALTH PHYSICS APPRAISAL FOLLOW-UP. THE INSPECTION INVOLVED 32 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 01-31, 1982 (REPORT NO. 50-312/82-11) AREAS INSPECTED: OPERATIONAL SAFETY VERIFICATION; MAINTENANCE OBSERVATIONS; SURVEILLANCE OBSERVATIONS; REVIEW OF PLANT OPERATIONS; FOLLOW-UP ON A SIGNIFICANT EVENT; FOLLOW-UP ON REGIONAL REQUESTS; FOLLOW-UP ON HEADQUARTERS' REQUESTS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 165 INSPECTOR-HOURS ONSITE BY THE RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO PARAGRAPH 3.2.2.7(1) OF THE LICENSEE'S APPROVED PHYSICAL SECURITY PLAN, THE INSPECTORS OBSERVED ON FEBRUARY 23, 1982, THAT THE LICENSEE HAD FAILED TO CONTROL ONSITE ESSENTIAL VEHICLES. CONTRARY TO THE ABOVE ON JAN. 10, 1982 THE SECURITY FORCE MEMBER LOCATED IN THE BADGE RACK AREA FAILED TO SEARCH PACKAGES WRAPPED IN TIN FOIL PRIOR TO BEING CARRIED BY EMPLOYEES INTO THE PROTECTED AREA.

(8205 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ THE LICENSE IS REPLACING ONE CONTROL ROD DRIVE STATOR AND WELD REPAIRING ONE NOZZLE OF THE HPI SYSTEM (AT THE JUNCTURE WITH THE

OTHER ITEMS

MAIN COOLANT LOOP). THE FAILED CONTROL ROD DRIVE HAD CAUSED A DROPPED ROD WHICH IN TURN HAS REQUIRED THE LICENSEE REMAINING AT REDUCED POWER (APPROXIMATELY 60%) FOR THE LAST MONTH. THE WELD REPAIR IS REQUIRED ON THE "A" HPI NOZZLE DUE TO CRACKS DISCOVERED DURING AN INSPECTION REQUIRED BY THE NRC.

FACILITY ITEMS (PLANS AND PROCEDURES):

NEXT REFUELING OUTAGE SCHEDULED FOR SEPTEMBER, 1982. RESTART SCHEDULED FOR MARCH, 1983.

MANAGERIAL ITEMS:

+ NONE

PLANT STATUS:

+ PLANT SHUT DOWN AND DRAINED TO MIDPOINT OF RCS LOOPS. LICENSEE SHUT THE PLANT DOWN APRIL 2, 1982, TO INSPECT HPI NOZZLES. ONE NOZZLE WAS FOUND TO CONTAIN CRACKS WHICH WILL REQUIRE REPAIRS. LICENSEE ESTMATES REPAIRS WILL BE COMPLETED BY END OF APRIL WHEREUPON PLANT WILL RETURN TO FULL POWER.

LAST IE SITE INSPECTION DATE: 03/01-31/82+

INSPECTION REPORT NO: 50-312/82-11+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-03/ 01T-0	03-01-82	03-12-82	HPI PUMP FOUND INOPERABLE.
82-04/ 03L-0	02-09-82	03-04-82	RPS CHANNEL "C" PRESSURE TRANSMITTER READ HIGH DUE TO CHANGING AMBIENT TEMPERATURE.
82-05/ 03L-0	02-11-82	03-12-82	"B" DIESEL GENERATOR FOUND TO BE INOPERABLE.
82-06/ 04T-0	03-05-82	03-12-82	PLANT EFFLUENT PH LIMITS VIOLATED ON 2/19/82.
82-07/ 04T-0	03-05-82	03-11-82	PLANT EFFLUENT CHLORINE LIMIT EXCEEDED FOR LESS THAN 2.5 HOURS.
82-08/ 04T-0	01-21-82	03-22-82	PLANT EFFLUENT PH WAS FOUND TO BE HIGH.

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1. Docket: 50-261 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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:

POWER LEVEL REDUCED DUE TO STEAM GENERATOR CONSIDERATIONS

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	97,086.0
13. Hours Reactor Critical	.0	1,367.1	73,712.3
14. Rx Reserve Shtdwn Hrs	.0	.0	1,085.3
15. Hrs Generator On-Line	.0	1,367.1	71,922.3
16. Unit Reserve Shtdwn Hrs	.0	.0	23.2
17. Gross Therm Ener (MWH)	0	2,501,310	145,596,684
18. Gross Elec Ener (MWH)	0	798,330	46,876,300
19. Net Elec Ener (MWH)	-1,900	748,538	44,368,789
20. Unit Service Factor	.0	63.3	74.1
21. Unit Avail Factor	.0	63.3	74.1
22. Unit Cap Factor (MDC Net)	.0	52.1	68.7
23. Unit Cap Factor (DER Net)	.0	49.5	65.3
24. Unit Forced Outage Rate	.0	.0	14.4
25. Forced Outage Hours	.0	.0	6,309.8

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

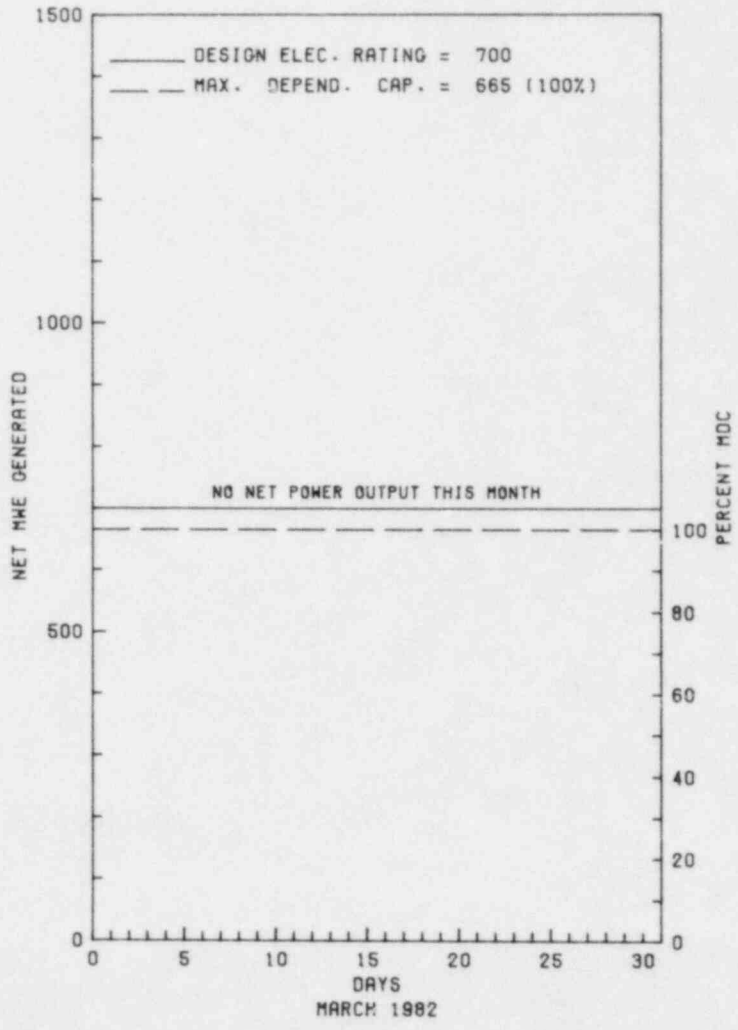
NONE

27. If Currently Shutdown Estimated Startup Date: 06/02/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
02-03	02/26/82	S	744.0	C	3		ZZ	ZZZZZZ	SHUTDOWN FOR MAINTENANCE/REFUELING OUTAGE CONTINUES.

****
* SUMMARY *
****

ROBINSON 2 REMAINED OFFLINE DURING MARCH 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)

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

FACILITY DATA

Report Period MAR 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
HOME AND FIFTH AVENUE
HARTSVILLE, SOUTH CAROLINA 29550

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 25 - FEBRUARY 4 (82-02): THIS SPECIAL ANNOUNCED APPRAISAL INVOLVED 508 INSPECTOR-HOURS ON SITE IN THE PERFORMANCE OF AN EMERGENCY PREPAREDNESS APPRAISAL. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED. APPRAISAL DEFICIENCIES WERE IDENTIFIED IN TWO AREAS: EMERGENCY PLAN TRAINING/RETRAINING; AND IMPLEMENTING PROCEDURES - NOTIFICATION).

INSPECTION JANUARY 11 - FEBRUARY 10 (82-04): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 130 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE BULLETIN, AND NOTICE FOLLOWUP, EMERGENCY PREPAREDNESS, AND TMI ACTION ITEM REVIEW. OF THE 14 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 12 AREAS; FOUR VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO PROMPTLY NOTIFY NRC OF REPORTABLE OCCURRENCE; FAILURE TO IMPLEMENT ADMINISTRATIVE POLICIES; INADEQUATE ANNUNCIATOR PROCEDURE; AND FAILURE TO IMPLEMENT ADMINISTRATION POLICIES).

INSPECTION FEBRUARY 9-12 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY RELATED PIPING SYSTEMS (IEB 79-14) AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02). OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 22-26 (82-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF REACTOR COOLANT SYSTEM LEAK-RATE MEASUREMENTS AND CONTROL OF HEAVY LOADS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN ONE AREA AND ONE VIOLATION (PROCEDURE NOT ADEQUATE FOR THE EVALUATION OF TEST RESULTS) WAS FOUND IN THE OTHER AREA.

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

INSPECTION SUMMARY

INSPECTION MARCH 8-10 (82-10): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF STEAM GENERATOR HEALTH PHYSICS COVERAGE, PROCEDURES, AND TRAINING. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

STEAM GENERATOR DETERIORATION MONITORING PROGRAM.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ REFUELING OUTAGE STARTED 2/27/82.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING OUTAGE, IN-SERVICE INSPECTION.

LAST IE SITE INSPECTION DATE: FEBRUARY 11 - MARCH 10, 1982 +

INSPECTION REPORT NO: 50-261/82-07 +

REPORTS FROM LICENSEE

ROBINSON 2

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-033/ 01T-0	12/28/81	01/11/82	ERROR IN HEATUP AND COOL DOWN CURVES NOT REPORTED
82-001/ 03L-0	01/29/82	02/24/82	DUEL COMPARATOR LOOP ONE OVERPOWER DELTA T INSTRUMENT TC 412B OUT OF CALIBRATION
82-002/ 03L-0	02/07/82	03/09/82	CONTAINMENT COOLER FAN BREAKER TRIPPED ON OVER-CURRENT
82-003/ 01T-0	02/09/82	02/23/82	BORON INJECTION TANK OVER PRESSURIZED

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1. Docket: 50-272 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	41,665.0
13. Hours Reactor Critical	.0	19.7	23,459.8
14. Rx Reserve Shtdwn Hrs	.0	.0	891.1
15. Hrs Generator On-Line	.0	19.5	22,472.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	35,450	66,129,797
18. Gross Elec Ener (MWH)	0	10,790	21,665,170
19. Net Elec Ener (MWH)	-4,780	-1,910	20,498,212
20. Unit Service Factor	.0	.9	53.9
21. Unit Avail Factor	.0	.9	53.9
22. Unit Cap Factor (MDC Net)	.0	.0	45.6
23. Unit Cap Factor (DER Net)	.0	.0	45.1
24. Unit Forced Outage Rate	.0	.0	30.8
25. Forced Outage Hours	.0	.0	10,235.3

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

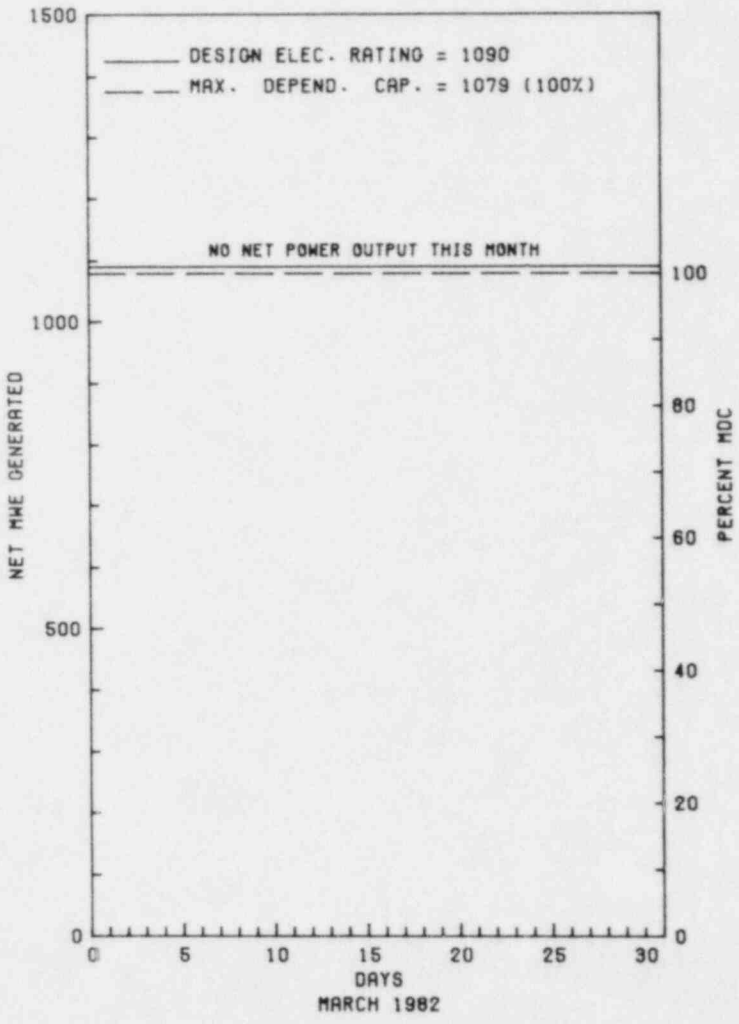
NONE

27. If Currently Shutdown Estimated Startup Date: 04/13/82

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-014	01/01/82	S	336.0	C	4		RC	FUELXX	ANNUAL REFUELING OUTAGE.
82-016	03/14/82	S	408.0	B	9		WB	HTEXCH	REPLACEMENT OF NO. 12 COMPONENT COOLING HEAT EXCHANGER.

****
* SUMMARY *
****

SALEM 1 REMAINED OFFLINE DURING MARCH WITH 2 OUTAGES FOR MAINTENANCE AND REFUELING.

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

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY

COUNTY.....SALEM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 11, 1976

DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976

DATE COMMERCIAL OPERATE....JUNE 30, 1977

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DELAWARE RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS

CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101

CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....L. NORRHOLM

LICENSING PROJ MANAGER.....W. ROSS
DOCKET NUMBER.....50-272

LICENSE & DATE ISSUANCE....DPR-70, DECEMBER 1, 1976

PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-272/81-30 - NOV 23-25: ROUTINE, UNANNOUNCED INSPECTION BY TWO REGION BASED INSPECTORS (48 HRS) OF PREPARATIONS FOR RADIATION PROTECTION DURING REFUELING INCLUDING: PROCEDURES, ADVANCED PLANNING AND PREPARATIONS, TRAINING, EXPOSURE CONTROL, RESPIRATORY PROTECTION PROGRAM, POSTING, RADIOACTIVE AND CONTAMINATED MATERIAL CONTROL, SURVEYS, INDEPENDENT MEASUREMENTS, AND OUTSTANDING ITEMS FROM PREVIOUS INSPECTIONS. NO VIOLATIONS WERE IDENTIFIED.

+ 50-272/82-01 - JAN 1 - FEB 8: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTORS (62 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS; LOG AND RECORD REVIEWS; REVIEWS OF LICENSEE EVENTS; AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. TWO VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW PROCEDURES; FAILURE TO FOLLOW RADIATION PROTECTION PROCEDURE.

+ 50-272/82-06 - FEB 9 - MAR 8: ROUTINE INSPECTIONS BY TWO RESIDENT INSPECTORS (66 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS; LOG AND RECORD REVIEWS; REVIEWS OF LICENSEE EVENTS; AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO APPLY FOR TIMELY OPERATOR LICENSE RENEWAL.

+ 50-272/82-07 - FEB 8-11 & 17-18: ROUTINE UNANNOUNCED INSPECTION BY THREE REGION BASED INSPECTORS (57 HRS) OF DESIGN CHANGES AND MODIFICATIONS; FACILITY MODIFICATIONS; AUDIT PROGRAM AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO ADDRESS PROGRAM EFFECTIVENESS IN QA AUDIT REPORTS.

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

ENFORCEMENT SUMMARY

10 CFR 50.59 AUTHORIZES CHANGES IN THE FACILITY & PROCEDURES DESCRIBED IN THE SAFETY ANALYSIS REPORT PROVIDED THESE CHANGES DO NOT CONSTITUTE AN UNREVIEWED SAFETY QUESTION. 10 CFR 50.59 FURTHER REQUIRES THAT THE LICENSEE MAINTAIN ON RECORD A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR TH S DETERMINATION. CONTRARY TO THE ABOVE, (1) ON SEVERAL OCCASIONS DURING 1981, THE LICENSEE REPAIRED LEAKING TUBES IN CONTAINMENT FAN COIL UNITS BY APPLYING A METAL-EPOXY FILLTER COMPOUND TO THE LEAK AREA. NO SAFETY EVALUATION WAS IDENTIFIED TO PROVIDE A BASIS FOR ACCEPTABILITY OF THIS REPAIR. (2) ON 11/19/81. THE LICENSEE DECLARED CFCU 22 OPERABLE WITH A KNOWN 0.5 GPM SERVICE WATER LEAK FROM THE MOTOR COOLER. NO WRITTEN SAFETY EVALUATION WAS IDENTIFIED TO PROVIDE A BASIS FOR THIS DETERMINATION.
(8129 4)

TS 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED & MAINTAINED FOR SURVEILLANCE ACTIVITIES & FOR THOSE ACTIVITIES LISTED IN APP A TO RG 1.33. CONTRARY TO THE ABOVE, (1) ON 12/14/81, SURVEILLANCE PROCEDURE SP(O) 4.6.2.2(B) CONTAINMENT SYSTEMS - SPRAY ADDITIVE UNIT #2 WAS FOUND INADEQUATE, IN THAT IT DID NOT REFLECT THE UPPER LIMITS OF LEVEL AND NAOH CONCENTRATION DICTATED BY TS 3.6.2.2. (2) ON 12/13/81, A TECHNICIAN FAILED TO FOLLOW PROCEDURE PD-3.6.014, ION EXCHANGER RESIN REFILLING, IN THAT THE RESIN FILL VALVE WAS NOT CLOSED PRIOR TO PLACING DEBORATING DEMINERALIZER 11 IN SERVICE. THIS PROCEDURE IS REQUIRED BY RG 1.33. (3) AS OF 12/31/81, THE LICENSEE HAS NOT PROVIDED AN EMERGENCY INSTRUCTION FOR LOSS OF PRESSURE CONTROL, SPECIFICALLY, LOSS OF PRESSURIZER HEATERS. SUCH PROCEDURE IS REQUIRED BY RG 1.33.
(8129 5)

CONTRARY TO TECH SPEC 6.8.1, ON JANUARY 23, 1982, PORTIONS OF THE SERVICE WATER AND SAFETY INJECTION SYSTEMS WERE BREACHED BY MAINTENANCE PERSONNEL WITHOUT PRIOR VERIFICATION THAT THE SYSTEMS HAD BEEN ISOLATED AND TAGGED. SUCH VERIFICATION IS REQUIRED BY ADMINISTRATIVE PROCEDURE 15, SAFETY TAGGING PROGRAM, A PROCEDURE REQUIRED BY REGULATORY GUIDE 1.33, APPENDIX A. AS OF JANUARY 14, 1982, THE LICENSEE HAD NOT PREPARED A PROCEDURE FOR DEALING WITH A STUCK SECONDARY SAFETY VALVE, AN EXPECTED TRANSIENT REQUIRING PROCEDURAL COVERAGE BY REGULATORY GUIDE 1.33, APPENDIX A. CONTRARY TO TECH SPEC 6.11, ON JANUARY 8, 1982, THREE INDIVIDUALS WERE OBSERVED INSIDE THE UNIT 1 CONTAINMENT BIOSHIELD WITHOUT THE REQUIRED PROTECTIVE CLOTHING (CAPS AND HOODS) SPECIFIED ON RADIATION EXPOSURE PERMIT 0008. ON FEBRUARY 2, 1982, ONE INDIVIDUAL WAS OBSERVED IN A CONTAMINATED AREA OF THE UNIT 1 FUEL HANDLING BUILDING WITHOUT THE REQUIRED PROTECTIVE CLOTHING (LAB COAT AND GLOVES) SPECIFIED ON RADIATION EXPOSURE PERMIT 9901. COMPLIANCE WITH REP REQUIREMENTS IS DICTATED BY ADMINISTRATIVE PROCEDURE 24, RADIOLOGICAL PROTECTION PROGRAM, A PROCEDURE REQUIRED BY TS.6.11.
(8201 4)

10 CFR 55.33(B) EXTENDS THE TERM OF OPERATOR LICENSES BASED ON SUBMITTAL OF RENEWAL APPLICATIONS AT LEAST THIRTY DAYS IN ADVANCE OF EXPIRATION. THE OPERATOR AT THE CONTROLS OF THE FACILITY MUST BE LICENSED PURSUANT TO PART 55 AS REQUIRED BY 10CFR50.54(K). CONTRARY TO THE ABOVE, DURING THE PERIOD MAY 17, 1981 THRU FEB 1, 1982, THE OPERATOR LICENSED UNDER OPERATOR LICENSE OP-4433, WAS FREQUENTLY THE OPERATOR AT THE CONTROLS. THE LICENSE EXPIRED ON MAY 17, 1981, AND APPLICATION FOR RENEWAL WAS NOT MADE UNTIL SEPT 25, 1981.
(8206 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ RESUME POWER OPERATION MID-APRIL 1982.

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ REFUELING IS COMPLETE. THE PLANT IS IN COLD SHUTDOWN WITH STARTUP PLANNED FOR MID-APRIL.

LAST IE SITE INSPECTION DATE: 3/9 - 4/5/82 +

INSPECTION REPORT NO: 50-272/82-05 +

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
82-007/ 01T	02/11/82	02/24/82	ENGINEERING SEISMIC ANALYSIS - AUXILIARY FEED WATER SYSTEM
82-008/ 03L	01/26/82	02/24/82	BORIC ACID STORAGE TANKS - CONCENTRATION OUT OF SPECIFICATION
82-009/ 03L	01/18/82	02/17/82	CARDOX FIRE SUPPRESSION SYSTEM INOPERABLE GREATER THAN 14 DAYS - SPECIAL RPT
82-010/ 03L	02/01/82	03/03/82	TEMPORARY SPENT FUEL COOLING CROSSTIE - LEAK
82-011/ 03L	02/15/82	03/09/82	FIRE DETECTION INSTRUMENTATION - INOPERABLE

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1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 03/01/82 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:

MDC CHANGED DUE TO ACCEPTANCE TEST

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	4,081.0
13. Hours Reactor Critical	744.0	2,156.0	4,015.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,149.8	3,967.5
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	2,481,187	6,903,003	12,011,022
18. Gross Elec Ener (MWH)	836,330	2,318,280	4,027,150
19. Net Elec Ener (MWH)	805,037	2,229,620	3,861,687
20. Unit Service Factor	100.0	99.5	97.2
21. Unit Avail Factor	100.0	99.5	97.2
22. Unit Cap Factor (MDC Net)	97.8	93.3	85.6
23. Unit Cap Factor (DER Net)	97.0	92.6	84.9
24. Unit Forced Outage Rate	.0	.5	2.8
25. Forced Outage Hours	.0	10.2	113.5

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

NONE

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

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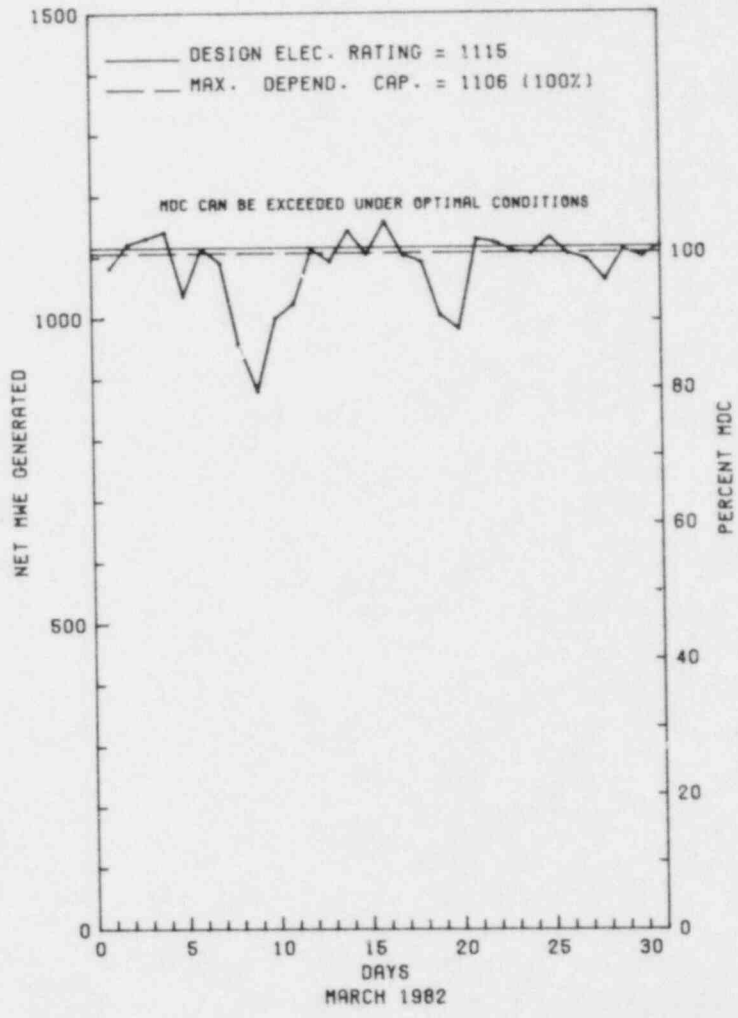
* SALEM 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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* 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 MARCH.

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

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

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

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.....W. ROSS
DOCKET NUMBER.....50-311

LICENSE & DATE ISSUANCE....DPR-75, MAY 20, 1981

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

INSPECTION SUMMARY

+ 50-311/82-01 - JAN 1 - FEB 8: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTORS (86 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS; LOG AND RECORD REVIEWS; REVIEWS OF LICENSEE EVENTS; AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO FOLLOW/IMPLEMENT PROCEDURES; FAILURE TO PROPERLY APPROVE AND ISSUE A PROCEDURE; FAILURE TO MAKE A REPORT IN ACCORDANCE WITH 10 CFR 50.72.

+ 50-311/82-05 - FEB 9 - MAR 8: ROUTINE INSPECTIONS BY THE RESIDENT INSPECTORS (72 HRS) OF PLANT OPERATIONS INCLUDING TOURS OF THE FACILITY; CONFORMANCE WITH TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS; LOG AND RECORD REVIEWS; REVIEWS OF LICENSEE EVENTS; AND FOLLOWUP ON PREVIOUS INSPECTION ITEMS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO POST FIRE WATCHES AT OPEN PENETRATIONS.

+ 50-311/82-06 - FEB 8-11 & 17-18: ROUTINE UNANNOUNCED INSPECTION BY THREE REGION BASED INSPECTORS (55 HRS) OF DESIGN CHANGES AND MODIFICATIONS; FACILITY MODIFICATIONS; AUDIT PROGRAM AND LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. ONE VIOLATION WAS IDENTIFIED: FAILURE TO ADDRESS PROGRAM EFFECTIVENESS IN QA AUDIT REPORTS.

ENFORCEMENT SUMMARY

10 CFR 50.59 AUTHORIZES CHANGES IN THE FACILITY & PROCEDURES DESCRIBED IN THE SAFETY ANALYSIS REPORT PROVIDED THESE CHANGES DO NOT

ENFORCEMENT SUMMARY

CONSTITUTE AN UNREVIEWED SAFETY QUESTION. 10 CFR 50.59 FURTHER REQUIRES THAT THE LICENSEE MAINTAIN ON RECORD A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASIS FOR THIS DETERMINATION. CONTRARY TO THE ABOVE, (1) ON SEVERAL OCCASIONS DURING 1981, THE LICENSEE REPAIRED LEAKING TUBES IN CONTAINMENT FAN COIL UNITS BY APPLYING A METAL-EPOXY FILLER COMPOUND TO THE LEAK AREA. NO SAFETY EVALUATION WAS IDENTIFIED TO PROVIDE A BASIS FOR ACCEPTABILITY OF THIS REPAIR. (2) ON 11/19/81, THE LICENSEE DECLARED CFCU 22 OPERABLE WITH A KNOWN 0.5 GPM SERVICE WATER LEAK FROM THE MOTOR COOLER. NO WRITTEN SAFETY EVALUATION WAS IDENTIFIED TO PROVIDE A BASIS FOR THIS DETERMINATION.
(8129 4)

TS 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED & MAINTAINED FOR SURVEILLANCE ACTIVITIES & FOR THOSE ACTIVITIES LISTED IN APP A TO RG 1.33. CONTRARY TO THE ABOVE, (1) ON 12/14/81, SURVEILLANCE PROCEDURE SP(O) 4.6.2.2(B) CONTAINMENT SYSTEMS - SPRAY ADDITIVE UNIT #2 WAS FOUND INADEQUATE, IN THAT IT DID NOT REFLECT THE UPPER LIMITS OF LEVEL & NAOH CONCENTRATION DICTATED BY TS 3.6.2.2. (2) ON 12/13/81, A TECHNICIAN FAILED TO FOLLOW PROCEDURE PD-3.6.014, ION EXCHANGER RESIN REFILLING, IN THAT THE RESIN FILL VALVE WAS NOT CLOSED PRIOR TO PLACING DEBORATING DEMINERALIZER 11 IN SERVICE. THIS PROCEDURE IS REQUIRED BY RG 1.33. (3) AS OF 12/31/81, THE LICENSEE HAS NOT PROVIDED AN EMERGENCY INSTRUCTION FOR LOSS OF PRESSURE CONTROL, SPECIFICALLY, LOSS OF PRESSURIZER HEATERS. SUCH PROCEDURE IS REQUIRED BY RG 1.33.
(8129 5)

CONTRARY TO TECH SPEC 6.8.1, ON JANUARY 23, 1982, PORTIONS OF THE SERVICE WATER AND SAFETY INJECTION SYSTEMS WERE BREACHED BY MAINTENANCE PERSONNEL WITHOUT PRIOR VERIFICATION THAT THE SYSTEMS HAD BEEN ISOLATED AND TAGGED. SUCH VERIFICATION IS REQUIRED BY ADMINISTRATIVE PROCEDURE 15, SAFETY TAGGING PROGRAM, A PROCEDURE REQUIRED BY REGULATORY GUIDE 1.33, APPENDIX A. AS OF JANUARY 14, 1982, THE LICENSEE HAD NOT PREPARED A PROCEDURE FOR DEALING WITH A STUCK SECONDARY SAFETY VALVE, AN EXPECTED TRANSIENT REQUIRING PROCEDURAL COVERAGE BY REGULATORY GUIDE 1.33, APPENDIX A. CONTRARY TO 10 CFR 50.72, ON JANUARY 14, 1982, THE PLANT WAS OPERATING AT 80 PERCENT THERMAL POWER, 50 PERCENT TURBINE POWER, WITH THE STEAM DUMP VALVES SHUT, WITH AVERAGE TEMPERATURE ABOVE THE DNB LIMIT, WITH AN UNSEATED STEAM GENERATOR SAFETY VALVE, AND WITH THE ROD CONTROL SYSTEM INOPERABLE. THIS UNEXPECTED CONDITION WAS NOT REPORTED TO THE NRC WITHIN ONE HOUR.
(8201 4)

CONTRARY TO TECH SPEC 6.8.2, ON JANUARY 14, 1982, WRITTEN GUIDANCE FOR REDUCING POWER UNDER LOW FEEDWATER SUCTION PRESSURE CONDITIONS, WHICH CONSTITUTED A PROCEDURE FOR CHANGING LOAD AS DESCRIBED IN REGULATORY GUIDE 1.33, APPENDIX A, AND THEREFORE REQUIRED BY TECH SPEC 6.8.1, HAD NOT BEEN REVIEWED BY SORC AND HAD NOT BEEN APPROVED BY THE MANAGER.

(8201 5)

TECH SPEC 3.7.11 REQUIRES THAT, WITH FIRE BARRIER PENETRATIONS INOPERABLE, EITHER A FIRE WATCH BE STATIONED AT ONE SIDE OF THE PENETRATION OR A FIRE PATROL BE ESTABLISHED ONCE OPERABILITY OF THE FIRE DETECTORS IN THE AREA HAS BEEN CONFIRMED. CONTRARY TO THE ABOVE, THE FOLLOWING FAILURES TO PROVIDE A FIREWATCH OR PATROL WERE IDENTIFIED: -- ON FEB 15, 1982, TWO UNSEALED, 4 INCH CORE BORES BETWEEN THE ELECTRICAL AND MECHANICAL PENETRATION AREAS ON ELEVATION 78' WERE FOUND. NO FIRE WATCH WAS PRESENT ON EITHER SIDE OF THE OPEN FIRE ZONE BOUNDARY PENETRATION AND NO FIRE PATROL HAD BEEN ESTABLISHED; -- ON FEB 23, 1982, THE DOOR IN THE FIRE BOUNDARY SEPARATING THE UNIT 1 AND 2 4KV SWITCHGEAR ROOMS ON ELEVATION 64' WAS PROPPED OPEN. NO FIRE WATCH OR FIRE PATROL HAD BEEN ESTABLISHED ON EITHER SIDE OF THIS OPEN PENETRATION.
(8205 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT 100%.

LAST IE SITE INSPECTION DATE: 2/9 - 3/8/82

INSPECTION REPORT NO: 50-311/82-05

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-005/ 03L	01/21/82	02/19/82	2C VITAL BUS UNDERVOLTAGE RELAY - INOPERABLE
82-006/ 03L	01/28/82	02/24/82	CONTAINMENT FAN COIL UNIT - LOW FLOW
82-007/ 01T	02/11/82	02/24/82	ENGINEERING SEISMIC ANALYSIS - AUXILIARY FEED WATER SYSTEM
82-008/ 03L	01/28/82	02/24/82	REACTOR PROTECTION SYSTEM INSTRUMENTATION - INOPERABLE
82-009/ 03L	01/29/82	02/24/82	AIR PARTICULATE DETECTOR PUMP - LOW FLOW ALARM
82-010/ 03L	02/01/82	03/03/82	INDIVIDUAL ROD POSITION INDICATION - 2C2 - INOPERABLE
82-011/ 03L	02/05/82	03/03/82	UNPLANNED RADIOACTIVE RELEASE - HOT LAUNDRY AREA
82-012/ 03L	02/09/82	03/09/82	NO. 21 STEAM GENERATOR LEVEL CHANNEL 2 - INOPERABLE
82-013/	02/15/82	03/09/82	FIRE BARRIER PENETRATIONS - LACK OF FIRE WATCHES

03L

1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: T. RAIDY (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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	129,680.0
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	63.5	65.4
21. Unit Avail Factor	.0	63.5	65.4
22. Unit Cap Factor (MDC Net)	.0	54.2	61.8
23. Unit Cap Factor (DER Net)	.0	54.2	61.8
24. Unit Forced Outage Rate	.0	.0	21.8
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: 06/04/82

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* SAN ONOFRE 1 *
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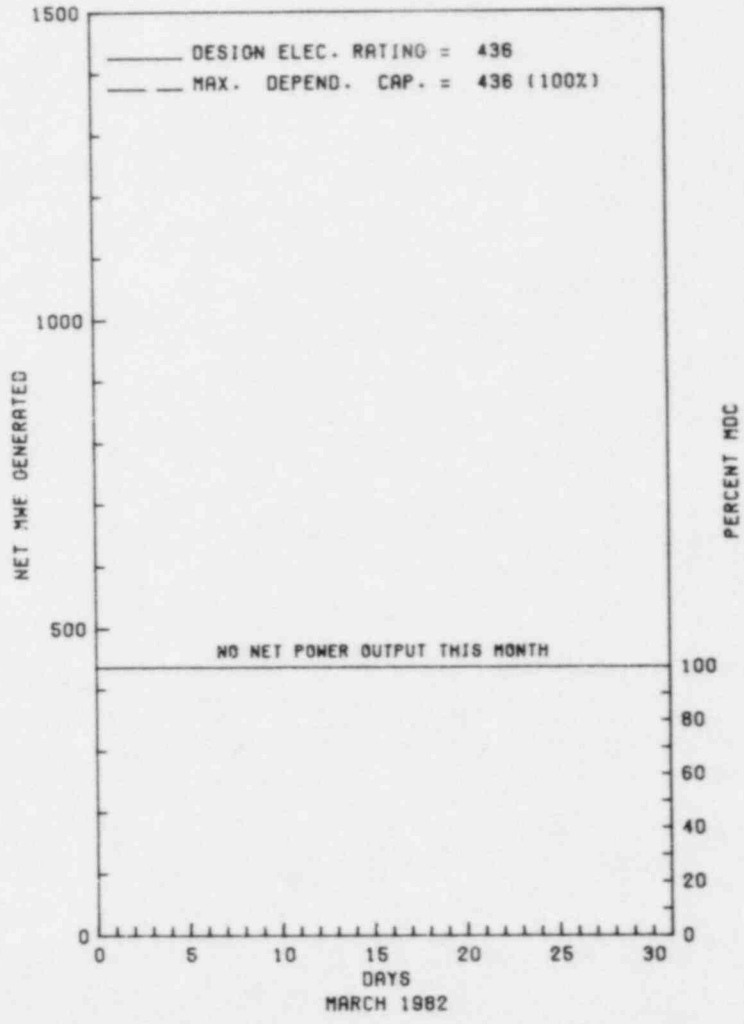
AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

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* SAN ONOFRE 1 *
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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				14 WEEK OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

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* SUMMARY *
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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 (LER) File (NUREG-0161)
			9-Other	

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

FACILITY DATA

Report Period MAR 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 92676

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON OCTOBER 26 - NOVEMBER 6, 1981 (REPORT NO. 50-206/81-38) HEALTH PHYSICS REPORT BEING PREPARED.

+ INSPECTION ON JANUARY 12 - FEBRUARY 14, 1982 (REPORT NO. 50-206/82-01) REPORT SENT TO HEADQUARTERS FOR ACTION.

+ INSPECTION ON FEBRUARY 22-26, 1982 (REPORT NO. 50-206/82-05) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE'S TRAINING; REQUALIFICATION TRAINING; MAINTENANCE; FOLLOW-UP OF IE BULLETINS AND CIRCULARS; TMI ACTION ITEMS; AND PREVIOUSLY IDENTIFIED ITEMS. THE INSPECTION INVOLVED 46 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE SIX AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FIVE AREAS; ONE ITEM OF NONCOMPLIANCE (FAILURE TO FOLLOW MAINTENANCE PROCEDURES) WAS IDENTIFIED IN ONE AREA.

+ INSPECTION ON FEBRUARY 01-26, 1982 (REPORT NO. 50-206/82-06) AREAS INSPECTED: ROUTINE, RESIDENT OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS; FOLLOW-UP ON LICENSEE EVENT REPORTS AND INSPECTOR IDENTIFIED ITEMS; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 65 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 15-19, 1982 (REPORT NO. 50-206/82-07) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; TMI ACTION ITEMS; SEISMIC INSTRUMENTS PROGRAM; HOUSEKEEPING/CLEANLINESS PROGRAM; TEST AND

INSPECTION SUMMARY

MEASUREMENT [illegible] PROGRAM; AND INDEPENDENT INSPECTION EFFORT. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 08, 1982 (REPORT NO. 50-206/82-08) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 07-11, 1982 (REPORT NO. 50-206/82-09) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING OUTAGE CONDITIONS INCLUDING REVIEW OF THE LICENSEE'S IMPLEMENTATION OF COMMITMENTS MADE IN RESPONSE TO FINDINGS OF THE HEALTH PHYSICS APPRAISAL INSPECTION (50-206/80-17), AND FOLLOW-UP ON A WORKER'S EXPRESSION OF CONCERN REGARDING USE OF THE LICENSEE'S RADIATION EXPOSURE PERMIT (REP) PROCEDURE. THE INSPECTION WAS INITIATED ON SUNDAY, MARCH 7, 1982, WITH AN EXTENSIVE TOUR OF THE RADIOLOGICALLY RESTRICTED AREAS. THE INSPECTION INVOLVED 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 01-31, 1982 (REPORT NO. 50-206/82-10) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON APRIL 05-09, 1982 (REPORT NO. 50-206/82-11) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 29 - APRIL 02, 1982 (REPORT NO. 50-206/82-12) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION, APPENDIX B, PARAGRAPH 3.2.4, "OCEAN WATER," STATES: "SAMPLES WITH GROSS BETA ACTIVITIES GREATER THAN 30 PCI/1 WILL UNDERGO GAMMA ISOTOPIC ANALYSIS WITH AN MDA OF 6 PCI/1 FOR CS-137. RADIOSTRONTIUM ANALYSIS WILL BE CONDUCTED IF GAMMA ISOTOPIC ANALYSIS INDICATES THE PRESENCE OF CESIUM-137 ASSOCIATED WITH PLANT DISCHARGES. RESULTS WILL BE REPORTED WITH ASSOCIATED CALCULATED ERRORS, AS PICO-CURIES PER LITER OF WATER." IN ADDITION, PARAGRAPH 5.6.1.C(4) STATES: "INDIVIDUAL SAMPLES WHICH SHOW HIGHER THAN NORMAL LEVELS (25% ABOVE BACKGROUND FOR EXTERNAL DOSE, OR TWICE BACKGROUND FOR RADIONUCLIDE CONTENT) SHALL BE NOTED IN THE REPORTS." CONTRARY TO THIS REQUIREMENT, A MAY 18, 1980 OCEAN WATER SAMPLE COLLECTED AT THE UNIT 1 OUTFALL INDICATED THE PRESENCE OF 430 PCI/1 137 CS; 380 PCI/1 134 CS; 6 PCI/1 60 CO; 11 PCI/1 58 CO; A RADIOSTRONTIUM ANALYSIS PERFORMED FOUND 0 PLUS OR MINUS 2 PCI/1 90 SR, AND NEITHER THE RESULTS OF THE RADIOSTRONTIUM ANALYSIS WERE REPORTED NOR DID THE 1980 ANNUAL REPORT NOTE THAT THIS WAS THE FIRST TIME THESE GAMMA EMITTING ISOTOPES WERE OBSERVED IN OCEAN WATER. TYPICAL 137 CS ACTIVITIES ARE LESS THAN 6 PCI/1.
(8203 4)

TECHNICAL SPECIFICATION, APPENDIX A, PARAGRAPH 6.11, "RADIATION PROTECTION PROGRAM," STATES: "PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 AND SHALL BE APPROVED, MAINTAINED, AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE." SPECIAL PROCEDURE SPRP-008, "HEALTH PHYSICS PROGRAM FOR THE STEAM GENERATOR REPAIR PROJECT," REVISION 0, DATED NOVEMBER 1, 1980, STATES IN PARAGRAPH 6.2.2.1 THAT: "A WHOLE BODY COUNT IS REQUIRED PRIOR TO AND UPON COMPLETION OF EMPLOYMENT FOR ALL CONTAINMENT WORKERS WHO USED OR PLANNED TO USE RESPIRATORY PROTECTIVE EQUIPMENT." CONTRARY TO THIS REQUIREMENT, ON MARCH 21, 1981, A CONTRACTOR WHO HAD WORN RESPIRATORY PROTECTIVE EQUIPMENT INSIDE THE "B" STEAM GENERATOR TERMINATED HIS WORK ASSIGNMENT AT SAN ONOFRE UNIT 1 AND AS OF JANUARY 18, 1982 HAD NOT RECEIVED A COMPLETION WHOLE BODY COUNT.
(8203 5)

10 CFR 50, APPENDIX B, "QUALITY ASSURANCE CIRTERIA FOR NUCLEAR POWER PLANTS AND FUEL REPROCESSING PLANTS," CRITERION III, DESIGN CONTROL, REQUIRES THAT FIELD CHANGES SHALL BE SUBJECT TO DESIGN CONTROLMEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN; AND CRITERION XI, TEST CONTROL, REQUIRES TESTING TO DEMONSTRATE THAT SYSTEMS WILL PERFORM SATISFACTORILY IN SERVICE. THE LICENSEE'S QUALITY ASSURANCE MANUAL IMPLEMENTS THESE REQUIREMENTS IN PARAGRAPH 5.1.1 BY ENDORSING ANSI N18.7-1976. PARAGRAPH

ENFORCEMENT SUMMARY

5.2.7 OF THAT STANDARD REQUIRES THAT MEANS FOR ASSURING QUALITY OF MODIFICATION ACTIVITIES AND MEASURES TO DOCUMENT THE PERFORMANCE THEREOF SHALL BE ESTABLISHED. CONTRARY TO THESE REQUIREMENTS, THE SEAL FLUSHING LINE TO EACH REFUELING WATER PUMP (LINE 8007 ON DRAWING 568776-17) WAS CUTBETWEEN APRIL 25, 1980, AND JANUARY 18, 1981, OPENING TWO UNMONITORED POTENTIAL LEAKAGE POINTS FROM THE RECIRCULATION LOOP OUTSIDE OF CONTAINMENT. NO DESIGN REVIEW OR POST-MODIFICATION TESTING WAS PERFORMED FOR THIS MODIFICATION, NOR WAS IT DETECTED BY THE LICENSEE.
(8204 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1976, "ADMINISTRATIVE CONTROLS FOR NUCLEAR POWER PLANTS." ANSI N18.7-1976, PARAGRAPH 5.3.2, "PROCEDURE CONTENT," REQUIRES THAT PROCEDURES CONTAIN WHERE APPLICABLE, ACCEPTANCE CRITERIA AGAINST WHICH THE SUCCESS OR FAILURE OF TEST-TYPE ACTIVITY WOULD BE JUDGED. CONTRARY TO THIS REQUIREMENT, THE REACTOR PLANT REFUELING INTERVAL INSTRUMENTATION CALIBRATION PROCEDURE, S01-II-1.4, PERFORMED IN MAY AND JUNE, 1981, DID NOT CONTAIN ACCEPTANCE CRITERIA FOR INSTRUMENTATION TRIP SETPOINTS.
(8204 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

+ THE PLANT WAS SHUT DOWN FOR THE MONTH OF MARCH 1982, AS PART OF AN EXTENDED OUTAGE. DURING THIS SCHEDULED OUTAGE, THE STEAM GENERATOR TUBES WILL BE CHECKED; THE SAFETY INJECTION SYSTEM WILL BE TESTED; DIESEL GENERATOR MODIFICATIONS WILL BE INSTALLED; REQUIRED TMI AND FIRE PROTECTION MODIFICATIONS WILL BE INSTALLED; SEISMIC UPGRADES WILL BE DONE; AND OTHER PREVENTATIVE AND CORRECTIVE MAINTENANCE WILL BE ACCOMPLISHED. UNIT 1 SHOULD RETURN TO SERVICE IN MAY OR JUNE, 1982.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT IS SHUT DOWN FOR AN EXTENTED OUTAGE DURING THE MONTH OF MARCH 1982. DURING THE OUTAGE, THE ITEMS LISTED IN "FACILITY ITEMS" WILL BE ACCOMPLISHED.

LAST IE SITE INSPECTION DATE: 04/05-09/82+

INSPECTION REPORT NO: 50-206/82-11+

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-03/ 99X-0	12-12-81	02-23-82	TWO DROPPED CR C7 RODLETS - REPAIR NEXT REFUELING OUTAGE (SPECIAL REPORT).
82-05/ 03L-0	02-22-82	03-25-82	CONTAINMENT ISOLATION FAILED TO CLOSE - SOFT GOODS REPLACEMENT.
82-07/ 03L-0	02-08-82	03-05-82	SALT WATER PUMP INOPERABLE - BOTH TRAINS TO BE REPLACED.
82-08/ 03L-0	02-27-82	03-29-82	SIS TRAIN FAILED - CIRCUIT CARD REPLACED.

1. Docket: 50-327 OPERATING STATUS
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVID DUPREE (615) 751-0343,45
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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	6,577.0
13. Hours Reactor Critical	510.9	892.6	3,693.9
14. Rx Reserve Shtdwn Hrs	* .0	.0	.0
15. Hrs Generator On-Line	505.5	850.4	3,540.8
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,648,397	2,504,134	10,569,048
18. Gross Elec Ener (MWH)	552,030	846,190	3,492,140
19. Net Elec Ener (MWH)	529,137	795,885	3,322,910
20. Unit Servica Factor	67.9	39.4	53.8
21. Unit Avail Factor	67.9	39.4	53.8
22. Unit Cap Factor (MDC Net)	63.1	32.7	44.8
23. Unit Cap Factor (DER Net)	63.1	32.7	44.8
24. Unit Forced Outage Rate	32.1	56.9	33.0
25. Forced Outage Hours	238.5	1,121.8	1,742.5

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

REFUELING/MODIFICATION OUTAGE - SEPT. 21, - 6 MONTHS

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

****
* SEQUOYAH 1 *
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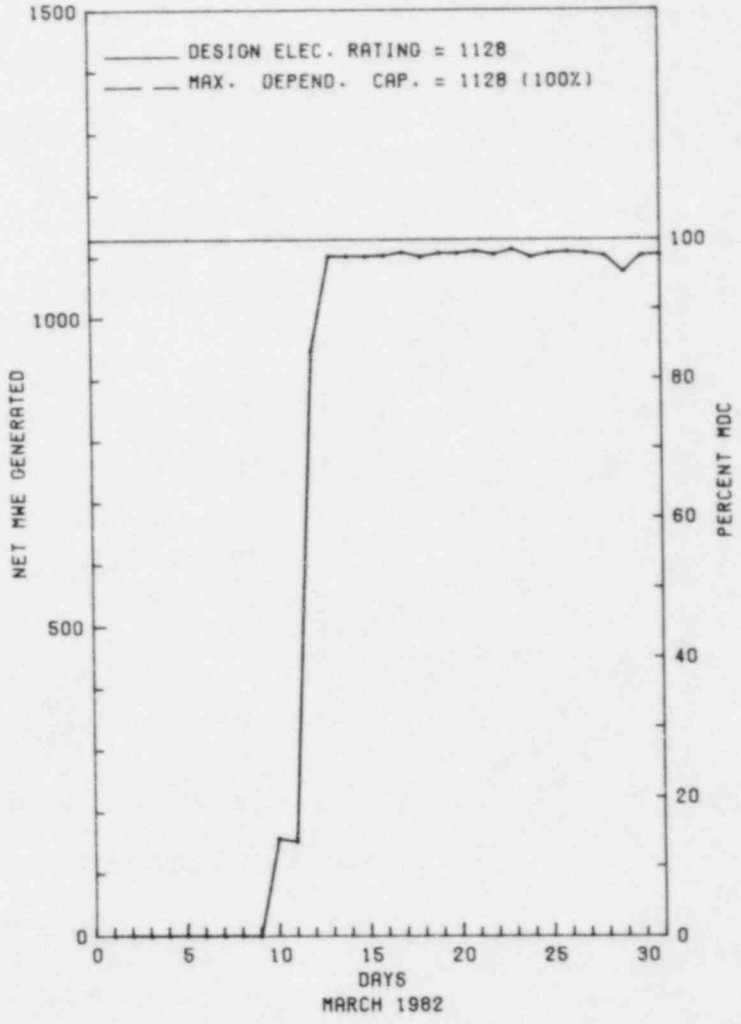
AVERAGE DAILY POWER LEVEL (MWe) PLO

SEQUOYAH 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* SEQUOYAH 1 *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/09/82	F	217.7	A	4				TURBINE #11 BEARING EXCESSIVE VIBRATION #2 REACTOR COOLANT PUMP REPLACEMENT DUE TO ELECTRICAL PROBLEMS.
8	03/10/82	F	4.5	A	3				LO-LO STEAM GENERATOR LEVEL #2 S/G DUE TO SWINGS IN LEVELS DURING STARTUP.
9	03/10/82	F	7.0	A	3				BLOWN FUSE AT CONDENSATE SYSTEM CAUSED LOSS OF SUCTION TO MAIN FEED PUMPS RESULTING IN RX TRIP.
10	03/11/82	F	5.9	A	3				REACTOR TRIP ON LO-LO LEVEL STEAM GENERATOR #2 DUE TO SWINGS IN LEVELS DURING STARTUP.
11	03/11/82	F	3.4	A	3				LO-LO S/G LEVEL #1 STEAM GENERATOR HARD TO CONTROL SWINGS IN LEVELS DURING STARTUP.

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* SUMMARY *
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SEQUOYAH 1 OPERATED WITH SEVERAL OUTAGES DURING MARCH DUE TO EQUIPMENT FAILURE.

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

****
* SEQUOYAH 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE

COUNTY.....HAMILTON

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 5, 1980

DATE ELEC ENER 1ST GENER...JULY 22, 1980

DATE COMMERCIAL OPERATE....JULY 1, 1981

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....CHICKAMAUGA LAKE

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....E. FORD

LICENSING PROJ MANAGER.....C. STAHLE
DOCKET NUMBER.....50-327

LICENSE & DATE ISSUANCE....DPR-77, SEPTEMBER 17, 1980

PUBLIC DOCUMENT ROOM.....CHATTANOOGA - HAMILTON BICENTENNIAL LIBRARY
1001 BROAD STREET
CHATTANOOGA, TENNESSEE 37402

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JANUARY 25-27 (82-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF POWER ASCENSION TEST PROCEDURES, POWER ASCENSION TEST WITNESSING AND A TOUR OF UNIT 1. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6 - FEBRUARY 5 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT 2 LICENSE CONDITIONS, INDEPENDENT INSPECTION EFFORT, PLANT INCIDENTS, PROTECTIVE COATINGS, AND GENERAL EMPLOYEE TRAINING. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6 - MARCH 5 (82-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 99 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, GENERAL EMPLOYEE TRAINING, INSPECTION OF IMI ACTION PLAN REQUIREMENTS, UNIT 2 STARTUP TESTING AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION 3.1.3.3; AND FAILURE TO PERFORM A 10 CFR 50.59 SAFETY EVALUATION FOR SYSTEM MODIFICATION).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER OPERATION.

LAST IE SITE INSPECTION DATE: FEBRUARY 6 - MARCH 5, 1982 +

INSPECTION REPORT NO: 50-327/82-04 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-020/ 03L-0	02/07/81	--	AUXILIARY BUILDING GAS TREATMENT SYSTEM RADIATION MONITOR 2-RM-90-100 INOPERABLE
81-060/ 03L-0	12/31/81	01/29/82	INOPERABILITY OF THE ESSENTIAL RAW COOLING WATER EFFLUENT LINE RADIATION MONITOR
81-151/ 03L-0	12/21/81	01/19/82	INOPERABILITY OF ONE CONTAINMENT SUMP LEVEL TRANSMITTER
81-154/ 03L-0	12/19/81	01/15/82	INOPERABILITY OF THE REFUELING WATER STORAGE TANK LEVEL TRANSMITTER
81-155/ 03L-0	12/09/81	01/07/82	INOPERABLE DIESEL GENERATOR 2A-A BECAUSE OF BAD SOLDER JOINT ON SPEED CONTROL MOTOR PLUG
81-156/ 03L-0	12/26/81	01/22/82	INOPERABILITY OF ONE TURBINE STOP VALVE
81-157/	12/22/81	01/20/82	INOPERABILITY OF THE PRESSURIZER LEVEL INSTRUMENTATION

03L-0			
81-159/ 03L-0	12/21/81	01/19/82	INOPERABILITY OF AUXILIARY FEEDWATER PUMP PRESSURE CONTROL VALVE 1-PCV-3-132
82-003/ 03L-0	01/09/82	02/05/82	INOPERABILITY OF ONE PRESSURIZER LEVEL CHANNEL
82-006/ 03L-0	01/15/82	02/10/82	INOPERABILITY OF THE TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP
82-007/ 03L-0	01/08/82	02/05/82	INOPERABILITY OF ROD POSITION INDICATOR P-4 IN SHUTDOWN BANK A
82-008/ 03L-0	01/14/82	02/12/82	INOPERABILITY OF AUXILIARY FEEDWATER LEVEL CONTROL VALVE 1-LCV-3-156
82-012/ 03L-0	01/22/82	02/19/82	DIVIDER BARRIER HATCH WITHOUT THE SEAL GASKET
82-017/ 03L-0	01/28/82	02/26/82	SAFETY RELATED MECHANICAL SNUBBERS INOPERABLE
82-018/ 03L-0	02/07/82	03/08/82	TWO LOWER COMPARTMENT TRAIN A COOLERS TEMPERATURE CONTROL VALVES IMPROPERLY SET
82-020/ 03L-0	02/02/82	03/03/82	EMERGENCY GAS TREATMENT SYSTEM ROOM COOLER B DECLARED INOPERABLE
82-028/ 03L-0	02/14/82	03/15/82	ON TWO OCCASIONS WHERE THE NUMBER 4 COLD LEG ACCUMULATOR WAS DECLARED INOPERABLE

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1. Docket: 50-328 O P E R A T I N G S T A T U S
2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0
3. Utility Contact: DAVID DUPREE (615) 751-0343,45
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): 1185
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	3,624.0
13. Hours Reactor Critical	535.8	1,287.7	1,544.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	505.0	1,166.4	1,180.0
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	942,115	1,741,353	1,757,266
18. Gross Elec Ener (MWH)	301,940	537,400	539,304
19. Net Elec Ener (MWH)	279,190	475,470	475,470
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	141.4	734.0	936.2

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

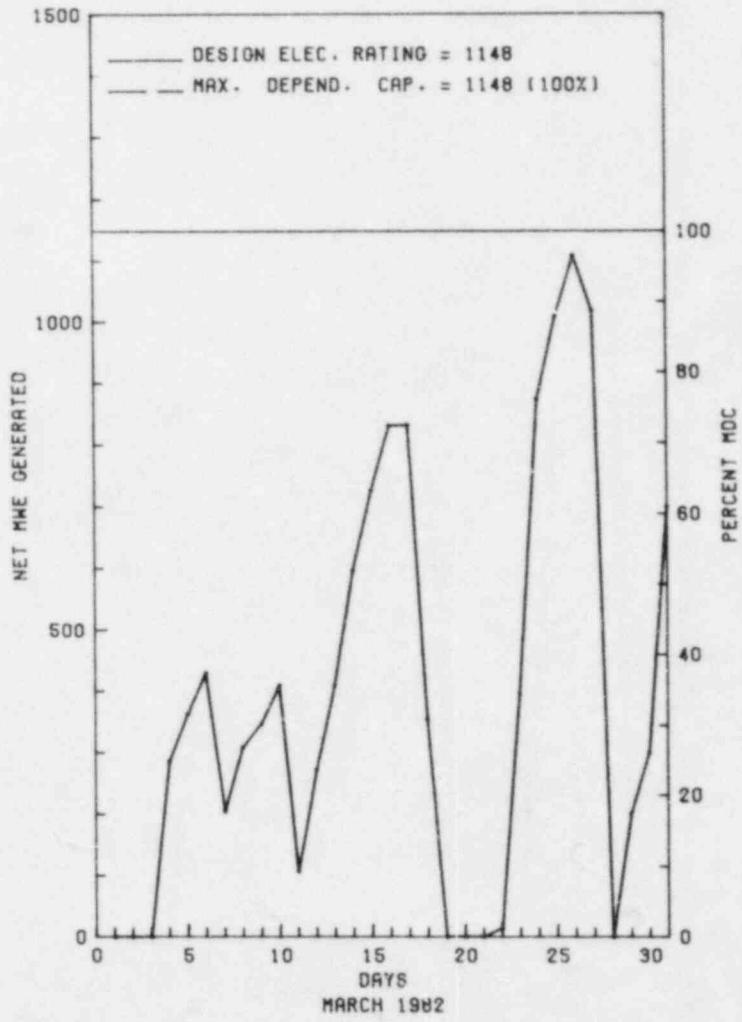
ICE WEIGHING PER TECH SPECS--MAY 5, 1982

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

****
* SEQUOYAH 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* SEQUOYAH 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	03/01/82	F	71.9	A	4				UNIT TRIPPED WHILE ATTEMPTING TO PERFORM SU-9.3 (50% LOAD REDUCTION).
9	03/07/82	F	11.1	A	3				GROUND ON "B" MFPT CAUSED TURBINE TRIP, STEAM FLOW/FEED FLOW MISMATCH CAUSING REACTOR TRIP.
10	03/10/82	F	15.3	A	3				BLOWN FUSE AT COND. DI CAUSE LOW SEAL INSERTION PRESSURE CAUSING A TURBINE TRIP, REACTOR TRIP.
11	03/11/82	F	2.1	A	3				LOW EHC FLUID PRESSURE CAUSED A TURBINE TRIP ONLY REACTOR DROPPED TO 9% POWER.
1	03/18/82	S	0.3	B	5				50% LOAD REJECTION TEST (STARTUP TEST 9.3).
12	03/18/82	S	97.6	B	1				REPAIR LEAKING FEEDWATER VALVE ON #1 S/G.
13	03/22/82	F	6.5	A	3				BLOWN FUSE AT COND. DI, POWER SUPPLY CABINET CAUSED THE POLISHERS TO ISOLATE, CAUSING A TURBINE TRIP, REACTOR TRIP.
14	03/22/82	F	4.1	A	3				REACTOR TRIP CAUSED BY MFW ISOLATION VALVE FAILED TO OPEN WHEN LEVEL DROPPED IN #4 S/G.
15	03/27/82	F	23.2	A	3				LOSS OF HOTWELL LEVEL CAUSING LOW SUCTION CAUSING TURBINE TO TRIP, REACTOR TRIP.
16	03/28/82	F	7.2	G	3				HI-HI S/G LEVEL CAUSE TURBINE TRIP LO-LO S/G LEVEL CAUSE REACTOR TRIP.

****
* SUMMARY *
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SEQUOYAH 2 OPERATED WITH SEVERAL OUTAGES DUE TO EQUIPMENT FAILURE, TESTING AND MAINTENANCE.

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

****
* SEQUOYAH 2 *
****

FACILITY DATA

Report Period MAR 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....**********

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 JANUARY 25-27 (82-01): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF POWER ASCENSION TEST PROCEDURES, POWER ASCENSION TEST WITNESSING AND A TOUR OF UNIT 1. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 6 - FEBRUARY 5 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 92 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, UNIT 2 LICENSE CONDITIONS, INDEPENDENT INSPECTION EFFORT, PLANT INCIDENTS, PROTECTIVE COATINGS, AND GENERAL EMPLOYEE TRAINING. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 6 - MARCH 5 (82-04): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 98 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, GENERAL EMPLOYEE TRAINING, INSPECTION OF IMI ACTION PLAN REQUIREMENTS, UNIT 2 STARTUP TESTING AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO COMPLY WITH TECHNICAL SPECIFICATION 3.1.3.3; AND FAILURE TO PERFORM A 10 CFR 50.59 SAFETY EVALUATION FOR SYSTEM MODIFICATION).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

75% POWER OPERATION/STARTUP TESTING.

LAST IE SITE INSPECTION DATE: FEBRUARY 6 - MARCH 5, 1982 +

INSPECTION REPORT NO: 50-328/82-04 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-153/03L-0	12/29/81	01/27/82	INOPERABILITY OF A CONTAINMENT ISOLATION VALVE IN PRIMARY WATER MAKEUP SYSTEM
81-158/03L-0	12/21/81	01/19/82	INOPERABILITY OF THE TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP
82-001/03L-0	01/03/82	02/01/82	INOPERABLE INTERMEDIATE DECK DOOR IN THE ICE CONDENSER
82-002/03L-0	01/12/82	02/05/82	INOPERABILITY OF THE TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP
82-004/03L-0	01/15/82	02/12/82	INOPERABILITY OF VITAL BATTERY BANK 2
82-005/03L-0	01/13/82	02/10/82	INOPERABILITY OF REMOTE SHUTDOWN INSTRUMENT LOOP FOR PRESSURIZER RELIEF TANK LEVEL
82-009/	01/11/82	02/08/82	INOPERABILITY OF STEAM GENERATOR BLOWDOWN CONTAINMENT ISOLATION VALVE 2-FCV-1-7

03L-0			
82-010/ 03L-0	01/09/82	02/05/82	INOPERABILITY OF STEAM GENERATOR LOOPS 1 AND 3 PRESSURE TRANSMITTERS AND OTHERS FROZEN LINES
82-011/ 03L-0	01/22/82	02/17/82	FAILURE TO INCLUDE BORON INJECTION TANK IN SURVEILLANCE INSTRUCTION
82-013/ 03L-0	01/18/82	02/17/82	INOPERABILITY OF ONE FEEDWATER FLOW TRANSMITTER LOOP
82-014/ 03L-0	01/25/82	02/23/82	VITAL BATTERY BANK 2 DECLARED INOPERABLE
82-015/ 03L-0	01/21/82	02/18/82	INOPERABILITY OF SAFETY INJECTION PUMP 2B-B
82-016/ 03L-0	01/27/82	02/25/82	STEAM GENERATOR PRESSURE CHANNELS FOR LOOPS 3 AND 4 INOPERABLE
82-019/ 03L-0	02/11/82	03/12/82	TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP DECLARED INOPERABLE
82-021/ 01T-0	02/17/82	03/02/82	SHUTDOWN RODS IN BANK A WERE IN EXCESS OF 12 STEPS OF ACTUAL
82-022/ 03L-0	02/13/82	03/12/82	LOWER CONTAINMENT AIRLOCK INNER DOOR DECLARED INOPERABLE
82-023/ 03L-0	02/09/82	03/10/82	LOOP 4 MAIN STEAM HEADER REMOTE SHUTDOWN PRESSURE CHANNEL 2-PT-1-26C INOPERABLE

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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: 03/01/82 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 0.85 = 850
6. Design Electrical Rating (Net MWe): 802
7. Maximum Dependable Capacity (Gross MWe): 822
8. Maximum Dependable Capacity (Net MWe): 777
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	46,248.0
13. Hours Reactor Critical	744.0	2,160.0	36,989.6
14. Rx Reserve Shtdwn Hrs	.0	.0	205.3
15. Hrs Generator On-Line	744.0	2,160.0	36,155.6
16. Unit Reserve Shtdwn Hrs	.0	.0	39.3
17. Gross Therm Ener (MWH)	1,984,448	5,722,114	89,046,033
18. Gross Elec Ener (MWH)	649,040	1,874,410	28,932,525
19. Net Elec Ener (MWH)	615,872	1,778,412	27,253,386
20. Unit Service Factor	100.0	100.0	78.2
21. Unit Avail Factor	100.0	100.0	78.3
22. Unit Cap Factor (MDC Net)	106.5	106.0	75.8
23. Unit Cap Factor (DER Net)	103.2	102.7	73.5
24. Unit Forced Outage Rate	.0	.0	5.2
25. Forced Outage Hours	.0	.0	2,006.6

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

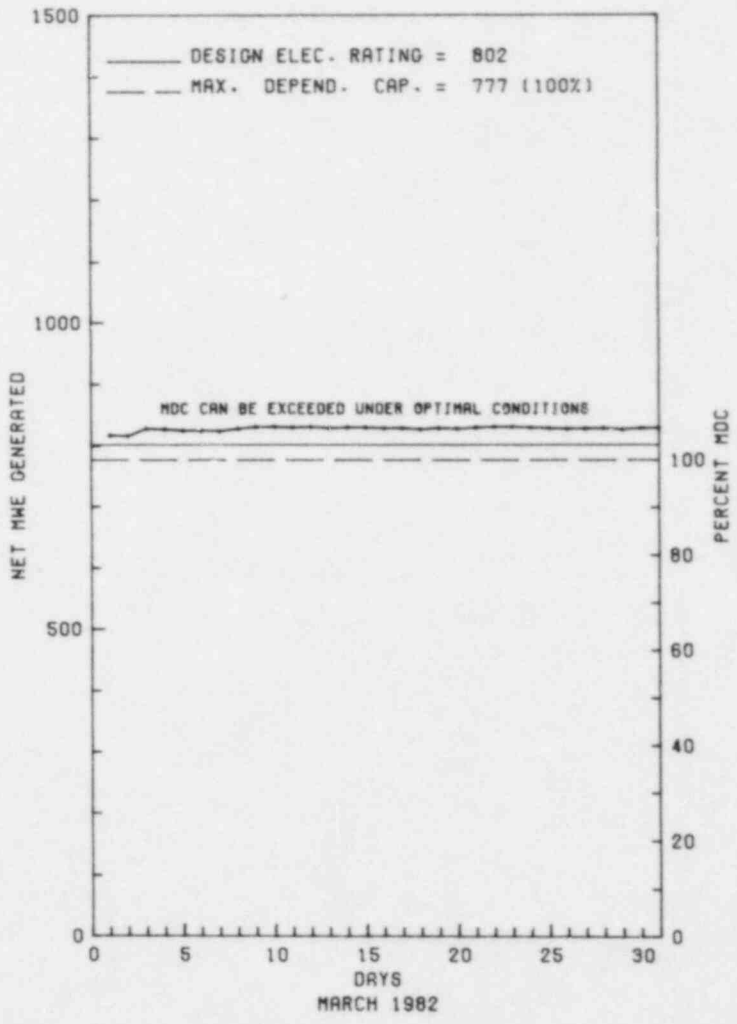
STEAM GENERATOR INSPECTION, MAY 1982, 2 WEEKS

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

****
* ST LUCIE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* ST LUCIE 1 *
****

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

****
* SUMMARY *
****

ST. LUCIE 1 OPERATED AT FULL POWER WITH NO OUTAGES OR REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

****
* 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

1E REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....S. ELROD

LICENSING PROJ MANAGER.....C. NELSON
DOCKET NUMBER.....50-335

LICENSE & DATE ISSUANCE....DPR-67, MARCH 1, 1976

PUBLIC DOCUMENT ROOM.....INDIAN RIVER JUNIOR COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 2-5 (82-02): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF NDE PROCEDURES FOR PSI AND ISI; SAFETY RELATED STRUCTURES AND SUPPORTS, OBSERVATIONS OF WORK AND REVIEW OF QA RECORDS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 16-19 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 78 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; ORGANIZATION AND ADMINISTRATION; DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; AUDITS AND AUDIT IMPLEMENTATION; CALIBRATION; SURVEILLANCE; AND MAINTENANCE. OF THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; TWO VIOLATIONS WERE FOUND IN ONE AREA (FAILURE TO FOLLOW PROCEDURES ON PLANT WORK ORDERS; AND FAILURE TO PROVIDE MEASURES REQUIRED TO CONTROL MAINTENANCE ACTIVITIES).

INSPECTION JANUARY 11 - FEBRUARY 12 (82-04): THIS ROUTINE, INSPECTION INVOLVED 142 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TMI ITEMS, SURVEILLANCE, LICENSEE EVENT REPORTS AND OPERATIONAL SAFETY. OF THE FOUR AREAS INSPECTED, NO APPARENT ITEM OF NONCOMPLIANCE WERE IDENTIFIED IN THREE AREAS; ONE APPARENT ITEM OF NONCOMPLIANCE WAS FOUND IN ONE AREA (FAILURE TO ESTABLISH OR IMPLEMENT PROCEDURES).

INSPECTION FEBRUARY 13 - MARCH 10 (82-05): THIS ROUTINE, INSPECTION INVOLVED 113 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF IE BULLETINS, PLANT OPERATIONS, SURVEILLANCE, MAINTENANCE AND INSTRUMENT CALIBRATION. OF THE FIVE AREAS INSPECTED, NO APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED.

****
* ST LUCIE 1 *
****

INSPECTION SUMMARY

INSPECTION FEBRUARY 8-12 (82-06): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 90 INSPECTOR-HOURS ON SITE IN THE AREA OF A FULL SCALE COORDINATED RADIOLOGICAL EMERGENCY EXERCISE. IN THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 16-19 (82-07): INCLUDED SITE ORIENTATION; SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-MANAGEMENT; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS-PROTECTED AREAS; PHYSICAL BARRIERS-VITAL AREAS; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL-PERSONNEL; ACCESS CONTROL-PACKAGES; ACCESS CONTROL-VEHICLES; DETECTION AIDS-PROTECTED AREAS; DETECTION AIDS-VITAL AREA; ALARM STATIONS; AND COMMUNICATIONS. THE INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. THE INSPECTION WAS BEGUN DURING A NORMAL SHIFT PERIOD; EIGHT INSPECTION HOURS WERE ACCOMPLISHED DURING OFFSHIFT PERIODS. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE 19 AREAS EXAMINED DURING THE INSPECTION.

INSPECTION FEBRUARY 23 (82-08): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED FOUR INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION AT THE EMERGENCY RESPONSE FACILITIES. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 1-5 (82-09): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADWASTE SHIPPING, UNIT 2 PREOPERATION ACTIVITIES, BULLETINS AND CIRCULARS, AND LICENSEE ACTION ON PREVIOUS INSPECTOR FOLLOWUP ITEMS. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO LOCK AND ALARM VITAL AREA DOOR.
(8134 3)

FAILURE TO PROPERLY ESTABLISH AND IMPLEMENT CODE SAFETY VALVE MAINTENANCE PROCEDURE M-0017 IN THAT THE PROCEDURE FAILED TO INCLUDE CORRECT INSTALLATION OF THE NOZZLE RING SET SCREW AND THE MECHANIC FAILED TO FOLLOW THE PROCEDURE BY TURNING THE NOZZLE RING IN THE WRONG DIRECTION.
(8135 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

OTHER ITEMS

LAST IE SITE INSPECTION DATE: APRIL 12-16, 1982 +

INSPECTION REPORT NO: 50-335/82-13 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-056/ 03L-0	12/19/81	01/18/82	PRESSURIZER CODE SAFETY VALVE LIFT 1-131 DOES HIGH
82-001/ 03L-0	01/07/82	02/08/82	AREA RADIATION MONITOR INOPERABLE AND MISSED SURVEILLANCE
82-002/ 03L-0	01/21/82	02/22/82	SUBCOOLED MARGIN MONITOR INDICATOR BECAME ERRATIC
82-003/ 03L-0	01/09/82	02/08/82	CONTROL ROOM AIR INTAKE CHLORINE MONITOR CL2-SM-1A FAILED
82-004/ 03L-0	01/10/82	02/09/82	WIDE RANGE NUCLEAR INSTRUMENTATION CHANNEL C FAILED
82-005/ 03L-0	02/04/82	03/08/82	TWO OF THREE CONTROL ROOM AIR CONDITIONERS OUT OF SERVICE SIMULTANEOUSLY

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1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	81,288.0
13. Hours Reactor Critical	732.2	1,768.5	47,803.0
14. Rx Reserve Shtdwn Hrs	.0	.0	3,731.5
15. Hrs Generator On-Line	728.6	1,753.6	46,828.0
16. Unit Reserve Shtdwn Hrs	.0	.0	3,736.2
17. Gross Therm Ener (MWH)	1,735,017	4,081,075	108,414,342
18. Gross Elec Ener (MWH)	556,885	1,285,955	35,105,168
19. Net Elec Ener (MWH)	530,421	1,220,522	33,297,758
20. Unit Service Factor	97.9	81.2	57.6
21. Unit Avail Factor	97.9	81.2	62.2
22. Unit Cap Factor (MDC Net)	92.0	72.9	52.9
23. Unit Cap Factor (DER Net)	90.5	71.7	52.0
24. Unit Forced Outage Rate	2.1	4.2	24.8
25. Forced Outage Hours	15.4	87.0	11,752.3

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

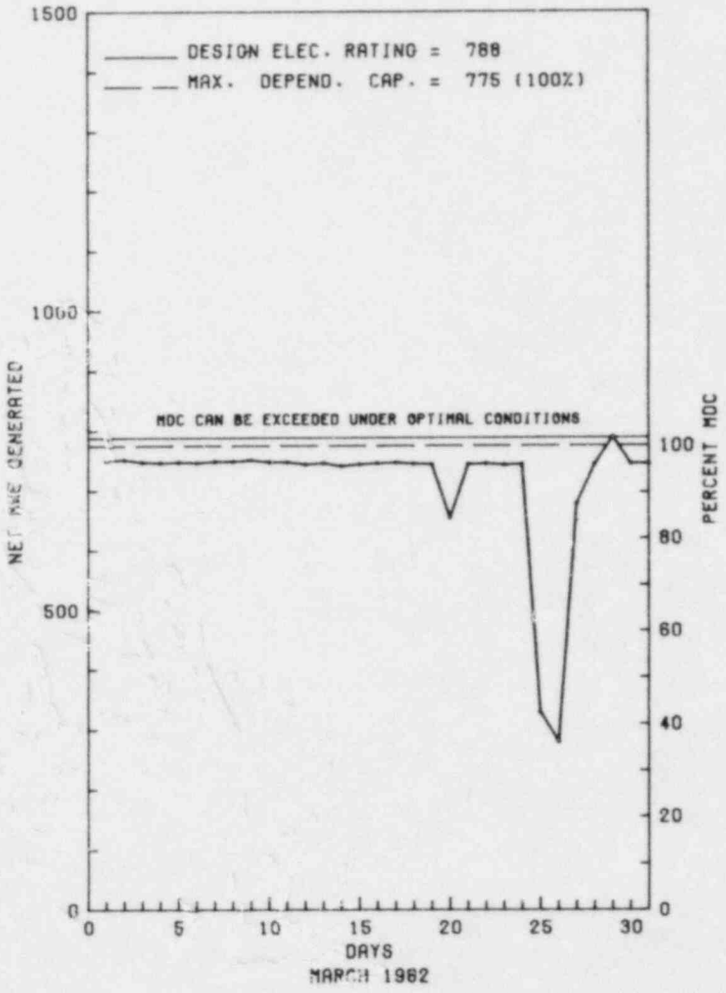
MAINTENANCE - 11/19/82 - 10 DAYS

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

****
* SURRY 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-6	03/20/82	S	0.0	H	5				REDUCED POWER TO ALLOW STOPPING EQUIPMENT TO REDUCE LOAD ON "A" RESERVE STATION SERVICE TRANSFORMER TO <2000 AMPS DURING UNIT 2 RECOVERY.
82-7	03/25/82	F	15.4	H	3		HH	PUMPXX	INSTRUMENT TECHNICIANS PERFORMING A PERIODIC TEST PLACED INSTRUMENTATION IN "TRIP" WHICH IN COINCIDENCE WITH A SWITCH OUT ADJUSTMENT CAUSED THE "A" REACTOR COOLANT PUMP TO TRIP CAUSING A LOW FLOW REACTOR TRIP. THE SWITCH WAS ADJUSTED PRIOR TO UNIT STARTUP.

****
* SUMMARY *
****

SURRY 1 OPERATED ROUTINELY DURING MARCH.

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

****
* SURRY 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 1, 1972

DATE ELEC ENER 1ST GENER...JULY 4, 1972

DATE COMMERCIAL OPERATE....DECEMBER 22, 1972

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....JAMES RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER

CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II

IE RESIDENT INSPECTOR.....D. BURKE

LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280

LICENSE & DATE ISSUANCE....DPR-32, MAY 25, 1972

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WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 14, 1981 - JANUARY 22 (82-01): THIS INSPECTION INVOLVED 110 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, CALIBRATION, TESTING, LICENSEE EVENT REPORTS, AND PLANT SECURITY. IN THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION MARCH 9-12 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; INSERVICE INSPECTION PROGRAM; NONDESTRUCTIVE EXAMINATION PROCEDURES; IE BULLETIN 80-08; AND LER 79-08. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982 +

INSPECTION REPORT NO: 50-280/82-08 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-080 03L-0	12/21/81	01/08/82	AMPERAGE READINGS FOR HEAT TRACING PANEL 8 CIRCUIT 13A BELOW ACCEPTANCE CRITERIA
81-083/ 03L-0	12/23/81	01/22/82	SLIDING FIRE DOOR BETWEEN UNIT 1 AND 2 EMERGENCY SWITCHGEAR ROOM OPEN AND UNATTENDED
82-001/ 03L-0	01/06/82	02/01/82	SPURIOUS SAFETY INJECTION CAUSED A PHASE 1 CONTAINMENT ISOLATION
82-002/ 03L-0	01/20/82	02/19/82	CONTAINMENT VACUUM PUMPS DECLARED INOPERABLE
82-003/ 03L-0	01/22/82	02/19/82	LOSS OF BORIC ACID FLOW TO THE BLENDER
82-004/ 03L-0	01/12/82	02/08/82	FIRE HYDRANTS 1-FP-89, 63, 73 AND 98 WOULD NOT OPEN
82-005/ 03L-0	01/19/82	02/08/82	ALARM SETPOINT FOR RADIATION MONITOR RM-LW-108 OUT OF CALIBRATION
82-006/	01/19/82	02/08/82	ALARM SETPOINT FOR RADIATION MONITOR RM-GW-102 OUT OF CALIBRATION

03L-0			
82-007/ 03L-0	01/19/82	02/18/82	LOSS OF HEAT TRACING DUE TO EXCESSIVE HEAT
82-008/ 03L-0	01/21/82	02/19/82	INSTRUMENT MALFUNCTION RESULTED IN LOSS OF ALL PRESSURIZER HEATERS
82-009/ 03L-0	01/20/82	02/19/82	VACUUM PUMP REPLACED BY ONE NOT MEETING SEISMIC QUALIFICATIONS
82-010/ 03L-0	01/05/82	02/19/82	SPURIOUS SAFETY INJECTION SIGNAL TRIP VALVE TV-CC-109B FAILED TO CLOSE
82-012/ 03L-0	01/26/82	02/25/82	BLOCK VALVE MOTOR OPERATED VALVE 1536 WAS ISOLATED ELECTRICALLY
82-013/ 03L-0	01/26/82	02/28/82	ROD DROP CAUSED BY OPEN CIRCUIT IN POWER SUPPLY
82-014/ 03L-0	01/27/82	02/26/82	LOSS OF HEAT TRACING DUE TO EXCESSIVE HEAT
82-015/ 03L-0	01/29/82	02/26/82	DETERIORATION OF WEATHER STRIPPING AROUND TWO CONTROL ROOM COMPLEX DOORS
82-016/ 03L-0	01/31/82	03/01/82	LOSS OF BORIC ACID FLOW TO THE BLENDER
82-017/ 03L-0	01/31/82	03/01/82	LOSS OF HEAT TRACING DUE TO EXCESSIVE HEAT
82-018/ 03L-0	01/21/82	02/19/82	LOSS OF HEAT TRACING DUE TO EXCESSIVE HEAT
82-019/ 03L-0	02/02/82	03/01/82	LOSS OF HEAT TRACING DUE TO EXCESSIVE HEAT
82-020/ 03L-0	02/05/82	03/05/82	LOSS OF BORIC ACID FLOW TO THE BLENDER
82-022/ 03L-0	02/09/82	03/10/82	RELIEF VALVE RY-GW-103 OPENED CAUSING PRESSURE TRANSIENT DAMAGING FLOW TRANSMITTER
82-023/ 03L-0	02/12/82	03/12/82	SNUBBERS INOPERABLE DUE TO LOW RESERVOIR LEVELS
82-027/ 03L-0	02/08/82	03/10/82	TRIP VALVE TV-CC-109B FAILED TO CLOSE
82-029/ 01T-0	02/22/82	03/08/82	STEAM LINE FLOW INSTRUMENTS FOR 'A' CHANNEL 3 AND 4 AND 'B' CHANNEL 3 INOPERABLE

1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	78,168.0
13. Hours Reactor Critical	611.8	1,993.2	46,853.9
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	*589.8	1,956.4	46,068.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,285,202	4,218,236	107,515,521
18. Gross Elec Ener (MWH)	402,635	1,354,950	35,027,129
19. Net Elec Ener (MWH)	377,753	1,273,667	33,202,382
20. Unit Service Factor	79.3	90.6	58.9
21. Unit Avail Factor	79.3	90.6	58.9
22. Unit Cap Factor (MDC Net)	65.5	76.1	54.8
23. Unit Cap Factor (DER Net)	64.4	74.8	53.9
24. Unit Forced Outage Rate	5.4	2.9	16.7
25. Forced Outage Hours	33.5	57.6	6,588.1

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

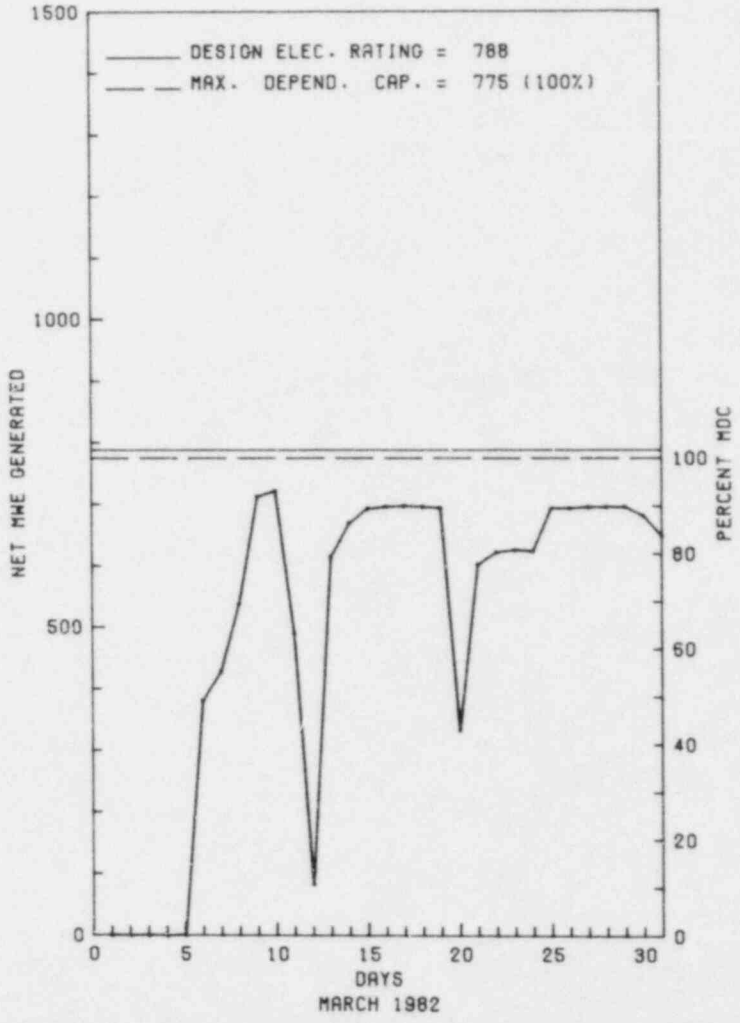
MAINTENANCE - 5/7/82 - 10 DAYS

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

****
* SURRY 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* SURRY 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-17	03/01/82	S	120.7	H	1				CONTINUATION OF SHUTDOWN FOR MAINTENANCE WHICH BEGAN 02-27-82.
82-18	03/08/82	F	0.0	A	5				POWER REDUCTION TO REMOVE 2-SD-P-1A (HIGH PRESSURE DRAINS PUMP) FROM SERVICE FOR REPAIRS.
82-19	03/11/82	F	24.1	G	3	82-017/03L-0	SF	ZZZZZZ	THE UNIT WAS SHUTDOWN 1AW T.S. 3.3.B DUE TO A LOSS OF RECIRCULATION FLOW TO THE BORON INJECTION TANK. THE RECIRCULATION FLOW WAS REESTABLISHED PRIOR TO STARTUP.
82-20	03/20/82	F	9.4	A	2	82-017/03L-0	SF	ZZZZZZ	LOSS OF EHC PRESSURE DUE TO A RELIEF VALVE LIFTING CAUSED ALL TURBINE GOVERNOR VALVES TO DRIFT CLOSED. OPERATOR MANUALLY TRIPPED THE TURBINE AND REACTOR; PROBLEM WAS CORRECTED PRIOR TO UNIT STARTUP.
82-21	03/30/82	F	0.0	A	5	82-017/03L-0	SF	ZZZZZZ	REDUCED POWER TO ALLOW 2-FW-P-1B (MAIN FEED PUMP) TO BE TAKEN OUT-OF-SERVICE FOR REPAIRS.

****
* SUMMARY *
****

SURRY 2 OPERATED NORMALLY DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

****
* SURRY 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA

COUNTY.....SURRY

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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

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WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION DECEMBER 14, 1981 - JANUARY 22 (82-01): THIS INSPECTION INVOLVED 110 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE, CALIBRATION, TESTING, LICENSEE EVENT REPORTS, AND PLANT SECURITY. IN THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; ONE VIOLATION WAS IDENTIFIED IN THE AREA OF TESTING (FAILURE TO TAKE PROMPT AND ADEQUATE CORRECTIVE ACTION ON UNIT 2 CONTAINMENT LEAKAGE IDENTIFIED DURING ROUTINE TESTING).

INSPECTION MARCH 9-12 (82-03): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; INSERVICE INSPECTION PROGRAM; NONDESTRUCTIVE EXAMINATION PROCEDURES; IE BULLETIN 80-08; AND LER 79-08. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

RESTARTED 12/28 FOLLOWING REFUELING.

LAST IE SITE INSPECTION DATE: MARCH 1-31, 1982 +

INSPECTION REPORT NO: 50-281/82-08 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
81-081/03L-0	12/29/81	01/27/82	CONTAINMENT ISOLATION VALVE 2-VA-1 UNLOCKED, OPEN, UNATTENDED
81-083/03L-0	12/31/81	01/27/82	STEAM FLOW INSTRUMENTS FI-474 AND FI-485 ISOLATED
82-001/03L-0	01/05/82	02/04/82	LOSS OF ACCURATE CONTROL OF THE BORIC ACID CONCENTRATIONS ON JANUARY 5, 8, 15 AND 18, 1982
82-002/03L-0	01/09/82	02/08/82	DISCHARGE CHECK VALVE OF CHARGING PUMP SERVICE WATER PUMP 2-SW-P-10A STUCK OPEN
82-003/03L-0	01/08/82	01/27/82	AMPERAGE READINGS FOR HEAT TRACING PANEL 10 CIRCUITS 1B, 2A, 5B AND PANEL 11 CIRCUITS 2A, 4C, 5B UNACCEPTABLE
82-004/03L-0	01/12/82	02/11/82	BORON INJECTION TANK RECIRCULATION LOST DUE TO PUMP FAILURE
82-005/03L-0	02/07/82	03/05/82	VALVE MALFUNCTION DUE TO MISALIGNMENT OF ACTUATION DISK TO THE LIMIT SWITCH

82-006/03L-0	02/11/82	03/12/82	LOSS OF HEAT TRACING
82-007/03L-0	01/18/82	02/17/82	LEAK RATE IN EXCESS OF ONE GALLON PER MINUTE
82-008/03L-0	01/18/82	02/17/82	FAULT OCCURRED ON FEEDER CABLES TO B RESERVE STATION SERVICE TRANSFORMER
82-009/03L-0	01/28/82	02/26/82	SERVICE WATER PUMP 2-CHP-1C DEEMED INOPERABLE
82-010/03L-0	01/29/82	02/26/82	DELTA T PROTECTION CHANNELS INDICATING LOW VALUE
82-012/03L-0	01/31/82	02/26/82	LOSS OF HEAT TRACING DUE TO INADVERTENT DAMAGE DURING CLEANUP
82-014/03L-0	02/11/82	03/12/82	POWER RANGE INSTRUMENT 41 FAILED

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1. Docket: 50-289 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	66,433.0
13. Hours Reactor Critical	.0	.0	31,731.8
14. Rx Reserve Shtdwn Hrs	.0	.0	838.5
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	46.9
21. Unit Avail Factor	.0	.0	46.9
22. Unit Cap Factor (MDC Net)	.0	.0	45.7*
23. Unit Cap Factor (DER Net)	.0	.0	43.8
24. Unit Forced Outage Rate	100.0	100.0	47.2
25. Forced Outage Hours	744.0	2,160.0	27,765.5

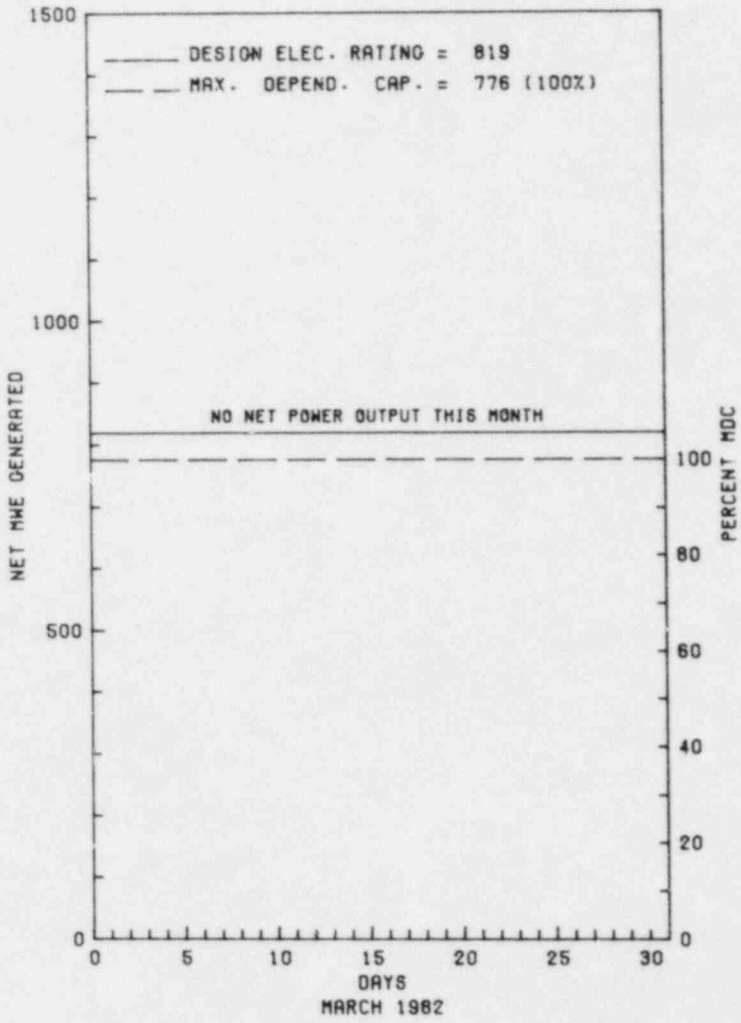
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

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

****
* THREE MILE ISLAND 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



* Item calculated with a Weighted Average

Report Period MAR 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	02/17/79	F	744.0	D	4				REGULATORY RESTRAINT ORDER CONTINUES.

****
* SUMMARY *
****

THREE MILE ISLAND 1 REMAINS SHUTDOWN FOLLOWING THE ACCIDENT AT THREE MILE ISLAND 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 *
****

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

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.....D. HAVERKAMP

LICENSING PROJ MANAGER.....R. JACOBS
DOCKET NUMBER.....50-289

LICENSE & DATE ISSUANCE....DPR-50, JUNE 24, 1974

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

INSPECTION SUMMARY

+ 50-289/81-20 - JUL 13-24: SPECIAL ANNOUNCED EMERGENCY PREPAREDNESS APPRAISAL INCLUDED: ADMINISTRATION OF THE EMERGENCY PREPAREDNESS PROGRAM; EMERGENCY ORGANIZATION; EMERGENCY TRAINING; EMERGENCY FACILITIES AND EQUIPMENT; PROCEDURES WHICH IMPLEMENT THE EMERGENCY PLAN; COORDINATION WITH OFFSITE AGENCIES, AND WALK-THROUGHS OF EMERGENCY DUTIES. THE APPRAISAL INVOLVED A SPECIAL TEAM OF INDIVIDUALS FROM REGION I, NRC HEADQUARTERS AND BATTELLE NORTHWEST LABORATORIES. NO VIOLATIONS WERE IDENTIFIED.

+ 50-289/82-01 - JAN 6 - FEB 16: ROUTINE SAFETY INSPECTION BY RESIDENT AND REGION BASED INSPECTORS (456 HRS) OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; PLANT OPERATIONS DURING LONG TERM SHUTDOWN INCLUDING: FACILITY TOURS AND LOG AND RECORD REVIEWS; STEAM GENERATOR TUBE DEGRADATION; LICENSEE EVENT REPORTS - ONSITE FOLLOWUP; HIGH RADIATION AREA CONTROLS; TMI-1 RESTART MODIFICATIONS; TMI-1 RESTART PREOPERATIONAL TESTING; AND TMI-1 RESTART OVERALL STARTUP TESTING PROGRAM. TWO VIOLATIONS IDENTIFIED: FAILURE TO ADHERE TO HIGH RADIATION AREA CONTROLS; FAILURE TO PROMPTLY CORRECT INADEQUATE HIGH RADIATION AREA CONTROLS.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, STATES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS AND

ENFORCEMENT SUMMARY

SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS. MAINTENANCE PROCEDURE 1410-Y-26, PARAGRAPH 6.3.1.C AND WELDING AND CUTTING PERMIT, ITEM 2D STATE "ALL FLOOR AND WALL OPENINGS WITHIN 40 FEET OF THE OPERATION WILL BE COVERED TIGHTLY." CONTRARY TO THIS REQUIREMENT, ON DECEMBER 16, 1981, A FLOOR PIPE PENETRATION WITHIN 40 FEET OF A WELDING OPERATION WAS NOT COVERED. HOT WELD SLAG MATERIAL DROPPED THROUGH THE OPENING AND IGNITED A CLOTH LAYING ON A CABLE TRAY BELOW THE PENETRATION.
(8132 4)

10 CFR 50, APP B, CRIT III, DESIGN CONTROL, REQUIRES THAT APPLICABLE REGULATORY REQUIREMENTS BE TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES & INSTRUCTIONS. 10 CFR 50, APP A, CRIT 64 STATES IN PART THAT "...MEANS SHALL BE PROVIDED FOR MONITORING...EFFLUENT DISCHARGE PATHS...FOR RADIOACTIVITY THAT MAY BE RELEASED FROM NORMAL OPERATIONS, INCLUDING ANTICIPATED OPERATIONAL OCCURRENCES & FROM POSTULATED ACCIDENTS." THE NRC APPROVED OPERATIONAL QA PROGRAM, FSAR, REV 9, 5/28/81, ARTICLE 4.2.1.2, REQUIRES THAT ALL DESIGN REGULATIONS WILL BE REVIEWED & ADHERED TO UNLESS SPECIFIC TS OR FSAR CHANGES ARE REQUESTED. CONTRARY TO THESE REQUIREMENTS, THE LICENSEE'S RADIOACTIVE WASTE SOLIDIFICATION SYSTEM DID NOT PROVIDE FOR ADEQUATE MEANS OF MONITORING RADIOACTIVE GASESOUS EFFLUENT RELEASES TO THE ENVIRONMENT DURING BOTH NORMAL OPERATIONAL OCCURRENCES & FROM POSTULATED ACCIDENTS.

10 CFR 20.103(A)(3) REQUIRES THAT THE LICENSEE USE SUITABLE MEASUREMENTS OF CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR FOR DETECTING & EVALUATING AIRBORNE RADIOACTIVITY IN RESTRICTED AREAS. CONTRARY TO THIS REQUIREMENT, DURING THE PERIOD MAY-DECEMBER, 1981, THE LICENSEE PERMITED PERSONNEL TO VISUALLY MONITOR SOLIDIFICATION CONTAINER FILLING WITH EVAPORATOR BOTTOMS THROUGH AN INSPECTION PORT IN THE CONTAINER WITHOUT PREVIOUSLY MAKING SUITABLE MEASUREMENTS FOR DETECTING & EVALUATING THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN THE GASES & VAPORS BEING VENTED FROM THE INSPECTION PORT.
(8134 4)

10 CFR 20.401(B) STATES IN PART THAT "EACH LICENSEE SHALL MAINTAIN RECORDS...SHOWING THE RESULTS OF SURVEYS REQUIRED BY 20.201(B)." CONTRARY TO THIS REQUIREMENT, SURVEYS MADE TO EVALUATE THE EXTERNAL RADIATION LEVELS OF HOSES USED FOR TRANSFERRING RADIOACTIVE WASTES PER OPERATING PROCEDURE 1104-28A WERE NOT DOCUMENTED. TS, APP A, SEC 6.8.1, REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED & MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS & RECOMMENDATIONS OF SECTION 5.1 & 5.3 OF ANSI N18.7-1972 & APP "A" OF USNRC RG 1.33, DATED 11/72. CONTRARY TO THIS REQUIREMENT, UNIT 1 OPERATING PROCEDURE 1104-28A, "RADIOACTIVE WASTE SOLIDIFICATION - HITTMAN," REV 2, EFFECTIVE 9/4/81, WAS INADEQUATE IN THAT IT DID NOT INCLUDE WHEN OR TO WHERE A VENT LINE SHOULD BE RUN FROM THE HEAD ASSEMBLY OF THE HITTMAN LINER. TS, APP A, SEC 6.11, REQUIRES THAT PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR 20 & SHALL BE APPROVED, MAINTAINED, & ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. CONTRARY TO THIS REQUIREMENT, THE FOLLOWING RADIOLOGICAL CONTROLS PROCEDURES (RCP) WERE NOT ADHERED TO: -- RCP 1796, "DOP TESTING CONTROLLED VACUUM CLEANERS," REV. 0, EFFECTIVE 3/3/81, REQUIRES, IN PARAGRAPH 5.1.3, THAT THE DOP GENERATOR & DETECTOR BE CALIBRATED WITHIN THE PAST 6 MONTHS. CONTRARY TO THIS PROCEDURE, CONTROLLED VACUUM CLEANERS WHOSE HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERS WERE TESTED IN 7 & 8/81 WERE TESTED WITH EQUIPMENT THAT WAS CALIBRATED IN 4/80. -- RCP 1683, "CONTROLLED VACUUM CLEANERS," REV 3, EFFECTIVE 7/17/81, REQUIRED IN PARAGRAPH 5.2.4, THAT THE LOCATION OF ALL VACUUM CLEANERS BE DETERMINED WEEKLY. CONTRARY TO THIS PROCEDURE, LOCATIONS OF CONTROLLED VACUUM CLEANERS HAVE NOT BEEN DETERMINED SINCE 11/81.
(8134 5)

CONTRARY TO TECHNICAL SPECIFICATIONS 6.13.1 REQUIREMENTS FOR HIGH RADIATION AREA CONTROLS: 1. DURING THE PERIOD JANUARY 22 THROUGH FEBRUARY 3, 1982, A HIGH RADIATION AREA (GREATER THAN 1000 MREM/HR) DOOR IN THE REACTOR BUILDING (RB) AT THE TOP OF THE "D" RING AREA WAS NOT LOCKED SUCH AS TO PREVENT UNAUTHORIZED ENTRY INTO THE AREA. THE DOOR WAS OPENED BY THE INSPECTOR WITHOUT A KEY BY REACHING AROUND THE OTHER SIDE AND TURNING THE DOORKNOB. 2. ON JANUARY 22, 1982, THE KEY TO A HIGH RADIATION AREA (GREATER THAN 1000 MREM/HR) DOOR LOCATED IN THE RB WHICH ALLOWS ACCESS TO THE "D" RING WAS NOT MAINTAINED UNDER THE ADMINISTRATIVE CONTROL OF THE RADIATION PROTECTION SUPERVISOR/FOREMAN OR THE SHIFT FOREMAN ON DUTY. THE KEY WAS FOUND UNATTENDED NEAR THE RB PERSONNEL HATCH AND WAS AVAILABLE FOR POSSIBLE USE BY UNAUTHORIZED PERSONNEL. 3. ON FEBRUARY 1, 1982, A CONTRACTOR SUPERVISOR OPENED AND WALKED THROUGH THE HIGH RADIATION AREA DOOR (DESCRIBED IN ITEM 1) WITHOUT USING APPROPRIATE MEANS FOR ACCESS. THE INDIVIDUAL OPENED THE DOOR WITHOUT A KEY BY REACHING AROUND THE OTHER SIDE AND TURNING THE DOORKNOB. 4. ON FEBRUARY 1, 1982, A CONTRACTOR SUPERVISOR ENTERED THE HIGH RADIATION AREA (DESCRIBED IN ITEM 1) WITHOUT BEING PROVIDED WITH A RADIATION MONITORING DEVICE WHICH CONTINUOUSLY INDICATES THE RADIATION DOSE RATE IN THE AREA. CONTRARY TO TMI-1 OPERATIONAL QUALITY ASSURANCE PLAN REQUIREMENTS TO

ENFORCEMENT SUMMARY

PROMPTLY CORRECT CONDITIONS ADVERSE TO QUALITY, AS OF FEBRUARY 3, 1982, NO PROMPT CORRECTIVE ACTION WAS TAKEN TO ASSURE THAT A HIGH RADIATION AREA DOOR WAS ADEQUATELY LOCKED. THIS ITEM WAS IDENTIFIED BY A NRC INSPECTOR AND BROUGHT TO THE LICENSEE'S ATTENTION ON JANUARY 22, 1982, AND AGAIN ON JANUARY 28, 1982. LACK OF PROMPT CORRECTIVE ACTION PERMITTED AN UNAUTHORIZED ENTRY BY AN INDIVIDUAL ON FEBRUARY 1, 1982.
(8201 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

THE CAUSE AND CORRECTIVE MEASURES OF THE ONCE THROUGH STEAM GENERATOR (OTSG) TUBE DEGRADATION DISCOVERED ON NOVEMBER 21, 1981, ARE BEING DETERMINED BY LICENSEE AND NRC STAFFS. COMPLETION OF REQUIRED MODIFICATIONS PRIOR TO RESTART CONTINUES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

+ GENERAL PUBLIC UTILITIES (GPU) HAS REORGANIZED ITS TOP MANAGEMENT IN EACH OF THE GPU SYSTEM COMPANIES. EFFECTIVE MARCH 22, 1982, DR. R. L. LONG HAS BEEN DESIGNATED AS ACTING VICE PRESIDENT - NUCLEAR ASSURANCE, GPU NUCLEAR REPLACING MR. J. G. HERBEIN. MR. HERBEIN HAS BEEN APPOINTED VICE PRSIDENT - STATION OPERATIONS, PENNSYLVANIA ELECTRIC COMPANY.

PLANT STATUS:

+ THE PLANT REMAINS SHUTDOWN BY NRC ORDER, PENDING COMPLETION OF MODIFICATIONS AND OTHER ACTIONS RELATED TO THE TMI-2 ACCIDENT. INITIAL STEAM GENERATOR TUBE REPAIR WORK ON BOTH OTSG'S HAS BEEN COMPLETED. IN THE FIRST PHASE OF REPAIRS, A TOTAL OF 156 TUBES WERE PLUGGED AND TAKEN OUT OF SERVICE. DUE TO CORROSION OF OTSG'S ON THE PRIMARY SIDE, THE LICENSEE IS PREPARING TO PARTIALLY DEFUEL IN APRIL 1982 FOR VISUAL INSPECTIONS OF REACTOR VESSEL INTERNAL COMPONENTS. IN SUPPORT OF PARTIAL DEFUELING, THE LICENSEE HAS COMMENCED REFUELING SURVEILLANCE PROGRAM FOR TESTING OF HYDRAULIC SNUBBERS WITH COMPLETION EXPECTED EARLY IN APRIL 1982.

LAST IE SITE INSPECTION DATE: 3/18-20/82 +

INSPECTION REPORT NO: 50-289/82-04 +

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
82-001/ 01T	02/25/82	03/17/82	WHILE PERFORMING CONTROL ROOM HABITABILITY REVIEW PER NUREG 0737, ITEM III.D.3.4, IT WAS IDENTIFIED THAT CONTROL BUILDING VENTILATION SYSTEM MODIFICATION HAD NOT MADE ANY PROVISIONS FOR AUTOMATIC ISOLATION ON HIGH AIRBORNE RADIOACTIVITY IN THE FUEL HANDLING BUILDING TO EXCLUDE THE POTENTIAL CONTAMINANTS FROM ENTERING THE SYSTEM.

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1. Docket: 50-344 OPERATING STATUS

2. Reporting Period: 03/01/82 Outage + On-line Hrs: 744.0

3. Utility Contact: G. J. KENT (503) 556-3713

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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	48,912.0
13. Hours Reactor Critical	604.7	1,909.7	31,372.9
14. Rx Reserve Shtdwn Hrs	139.3	139.3	2,311.1
15. Hrs Generator On-Line	*604.7	1,885.1	30,373.3
16. Unit Reserve Shtdwn Hrs	139.3	139.3	1,648.0
17. Gross Therm Ener (MWH)	1,091,937	5,251,074	94,769,851
18. Gross Elec Ener (MWH)	603,370	1,932,415	31,101,786
19. Net Elec Ener (MWH)	569,776	1,836,545	29,367,234
20. Unit Service Factor	81.3	87.3	62.1
21. Unit Avail Factor	100.0	93.7	65.5
22. Unit Cap Factor (MDC Net)	70.9	78.7	55.6
23. Unit Cap Factor (DER Net)	67.8	75.2	53.1
24. Unit Forced Outage Rate	.0	6.7	20.8
25. Forced Outage Hours	.0	135.6	7,994.4

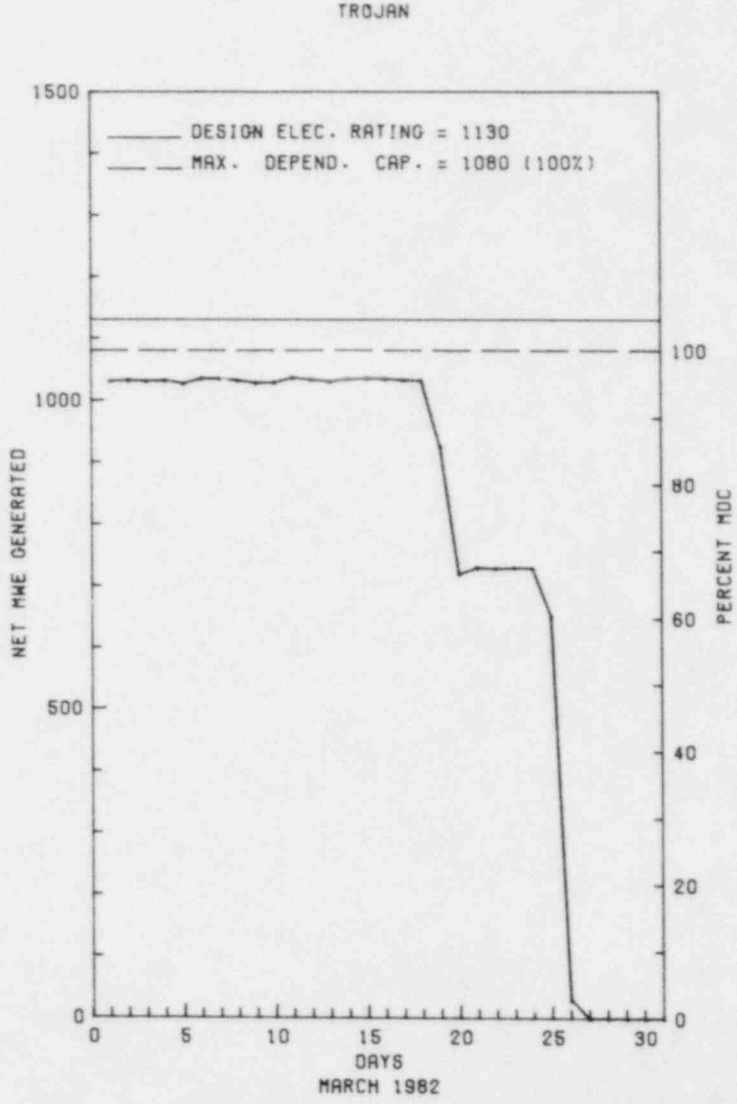
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

REFUELING, APRIL, 1982; 80 DAYS

27. If Currently Shutdown Estimated Startup Date: 07/02/82

****
* TROJAN *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

TROJAN

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-06	03/26/82	S	139.3	F	1				FAVORABLE HYDROELECTRIC CONDITIONS ALLOWED THE PLANT TO BE SHUT DOWN BASED UPON ECONOMIC CONSIDERATIONS.

SUMMARY

TROJAN OPERATED ROUTINELY DURING MARCH.

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

Report Period MAR 1982

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

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801 SW 10TH AVENUE
PORTLAND, OREGON 97205

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON NOVEMBER 30 - DECEMBER 01, 1981 (REPORT NO. 50-344/81-31) AREAS INSPECTED: OBSERVATION OF IAEA AD HOC INSPECTION TO AUDIT THE LICENSEE'S RECORDS AND REPORTS; TO REPLACE FILM IN TWO SURVEILLANCE CAMERAS IN THE SFP BAY; AND TO EVALUATE A NIGHT VISION DEVICE AS A MEANS OF DETECTING "CERENKOV RADIATION" IN THE SFP. THE INSPECTION INVOLVED NINE INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JANUARY 12-14, 1982 (REPORT NO. 50-344/82-02) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LABORATORY QUALITY CONTROL PROGRAM FOR SAMPLING AND ANALYZING REACTOR COOLANT AND REACTOR EFFLUENTS. THE INSPECTION INVOLVED 15 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON MARCH 10, 1982 (REPORT NO. 50-344/82-03) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON FEBRUARY 22 - MARCH, 1982 (REPORT NO. 50-344/82-06) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON MARCH 10-11, 1982 (REPORT NO. 50-344/82-07) AREAS INSPECTED: OBSERVATION OF AN AD HOC INSPECTION BY IAEA TO

INSPECTION SUMMARY

AUDIT THE LICENSEE'S RECORDS AND REPORTS; TO SERVICE THE AGENCY'S SURVEILLANCE CAMERAS IN THE SFP BAY; AND TO INVENTORY NEW FUEL. THE INSPECTION INVOLVED 11 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 01-26, 1982 (REPORT NO. 50-344/82-08) AREAS INSPECTED: ROUTINE INSPECTIONS OF PLANT OPERATIONS; SURVEILLANCE TESTING; SECURITY ACTIVITIES; TRAINING; AND FOLLOW-UP ON LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED 156 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON FEBRUARY 08-12, 1982 (REPORT NO. 50-344/82-09) AREAS INSPECTED: FOLLOW-UP INSPECTION INVOLVED THE REGION V MOBILE LABORATORY TO INDEPENDENTLY VERIFY REACTOR COOLANT ACTIVITY WHICH WAS REPORTED TO HAVE APPROACHED 80 PERCENT OF THE TECHNICAL SPECIFICATION LIMIT FOR I-131 DOSE EQUIVALENT CONCENTRATION. THE INSPECTION INVOLVED 42 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

SECTION 6.5.1.6.E OF THE TECHNICAL SPECIFICATIONS REQUIRES THE PLANT REVIEW BOARD (PRB) TO INVESTIGAT "ALL VIOLATIONS OF THE TECHNICAL SPECIFICATIONS INCLUDING THE PREPARATION AND FORWARDING OF REPORTS COVERING EVALUATION AND RECOMMENDATIONS TO PREVENT RECURRENCE..." CONTRARY TO THE REQUIREMENT, EXAMINATION OF THE 1980 PRB MINUTES DURING THE FEBRUARY-MARCH, 1981 PERFORMANCE APPRAISAL INSPECTION REVEALED THAT THE PRB HAD NOT REVIEWED NRC ENFORCEMENT FINDINGS OR INTERNAL AUDIT FINDINGS.
(8130 5)

CONTRARY TO 10 CFR 73, PARAGRAPH 73.2(F) (2), AND PARAGRAPHS 5.2.1.1, AND 5.2.1.2.2 OF THE LICENSEE'S APPROVED PHYSICAL SECURITY PLAN, THE INSPECTORS OBSERVED ON JANUARY 28, 1982, THAT AN OPENING IN A PORTION OF A CONCRETE BLOCK VITAL AREA WALL BARRIER CONTAINED A FOAM FIRE-RETARDANT MATERIAL WHICH LESSENED THE INTEGRITY OF THE BARRIER. THIS FOAM MATERIAL HAD APPROXIMATE DIMENSIONS OF 14" X 30" X 12".
(8201 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

REACTOR COOLANT SYSTEM GROSS GAMMA ACTIVITY IS ABOUT 35-40% OF THE TECHNICAL SPECIFICATION LIMIT, WITH COOLANT GROSS IODINE AT APPROXIMATELY 75% OF THE LIMIT. THE LICENSEE CONTINUES TO MONITOR THE SITUATION CLOSELY AND PLANS TO REDUCE POWER IF NECESSARY TO KEEP GROSS IODINE BELOW THE TECHNICAL SPECIFICATION LIMIT OF 1 UC/ML.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

OTHER ITEMS

PLANT STATUS:

+ THE PLANT OPERATED AT OR NEAR FULL POWER UNTIL MARCH 25, 1982, WHEN IT WAS SHUT DOWN FOR REFUELING. THE REFUELING OUTAGE BEGAN APPROXIMATELY FIVE WEEKS EARLIER THAN EXPECTED DUE TO AN ABUNDANCE OF HYDROELECTRIC POWER IN THE NORTHWEST. THE PLANT IS SCHEDULED TO RESUME POWER OPERATION IN JULY, 1982.

LAST IE SITE INSPECTION DATE: 03/10-11/82

INSPECTION REPORT NO: 50-344/82-07

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

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1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	81,705.6
13. Hours Reactor Critical	.0	.0	55,760.2
14. Rx Reserve Shtdwn Hrs	.0	.0	844.3
15. Hrs Generator On-Line	.0	.0	53,891.3
16. Unit Reserve Shtdwn Hrs	.0	.0	121.8
17. Gross Therm Ener (MWH)	0	0	109,197,555
18. Gross Elec Erer (MWH)	0	0	34,693,625
19. Net Elec Ener (MWH)	-1,916	-5,618	32,816,048
20. Unit Service Factor	.0	.0	66.0
21. Unit Avail Factor	.0	.0	66.1
22. Unit Cap Factor (MDC Net)	.0	.0	62.2*
23. Unit Cap Factor (DER Net)	.0	.0	58.0
24. Unit Forced Outage Rate	.0	.0	5.1
25. Forced Outage Hours	.0	.0	2,324.2

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

NONE

27. If Currently Shutdown Estimated Startup Date: 04/10/82

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* TURKEY POINT 3 *
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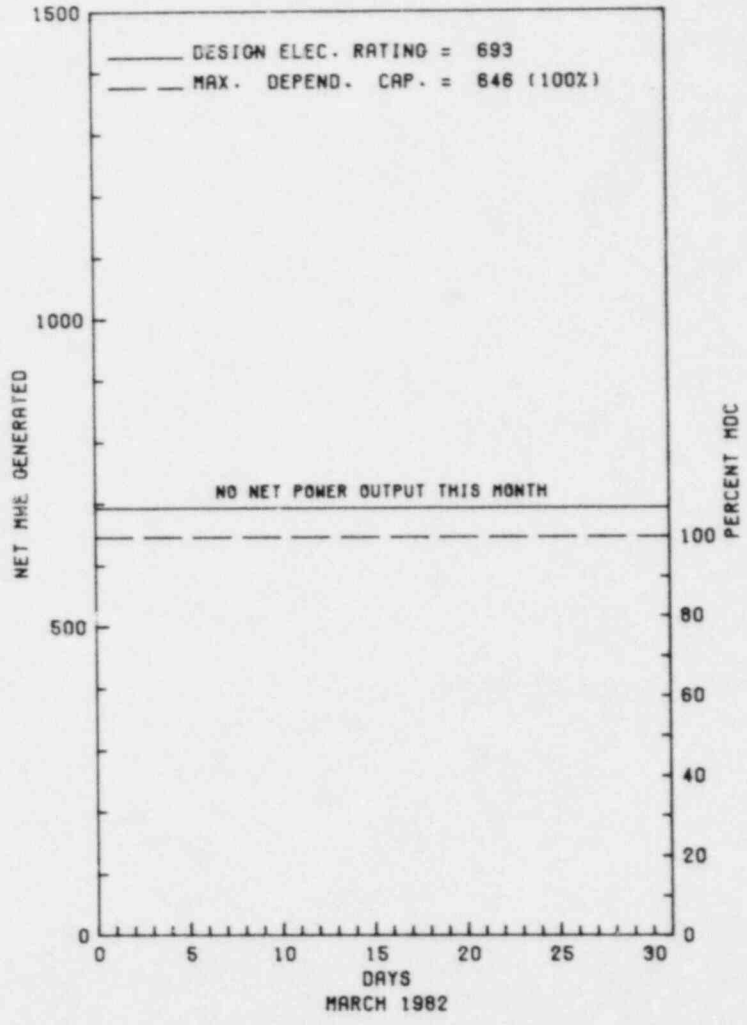
AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 3

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
05	06/24/81	S	744.0	B	4		HB	HTEXCH	UNIT NO. 3 STEAM GENERATOR REPAIR PROGRAM IN PROGRESS. (CONTINUED FROM PREVIOUS MONTH).

SUMMARY

TURKEY POINT 3 REMAINED SHUTDOWN FOR A CONTINUING STEAM GENERATOR 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 3 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...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....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.....M. GROTENHUIS
DOCKET NUMBER.....50-250

LICENSE & DATE ISSUANCE....DPR-31, JULY 19, 1972

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FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 16-19 (82-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE LIQUID AND GASEOUS EFFLUENT RELEASES, EFFLUENT CONTROL INSTRUMENTATION, REACTOR COOLANT CHEMISTRY, SOLID RADIOACTIVE WASTE MANAGEMENT, TRANSPORTATION ACTIVITIES, AND EXTERNAL EXPOSURE CONTROLS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 18 - FEBRUARY 25 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 106 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; POST TMI IMPLEMENTATION FOLLOWUP (NUREG-0737); PLANT OPERATIONS; SURVEILLANCE TEST OBSERVATIONS; AND PLANT TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 23-26 (82-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; STEAM GENERATOR REPAIR PROGRAM; PRESERVICE AND INSERVICE INSPECTIONS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 22-25 AND MARCH 2-5 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF PREOPERATIONAL TEST PROCEDURES, WITNESSING PREOPERATIONAL TESTING, REVIEW OF THE RESULTS OF PREOPERATIONAL TESTING; AND A TOUR OF THE CONTROL ROOM, AUXILIARY BUILDING AND THE UNIT 3 CONTAINMENT BUILDING. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION FEBRUARY 24 (82-10): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED FOUR INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE AND ARRANGEMENTS BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 24-26 (82-12): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS AT BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND, IN THE AREAS OF SEISMIC ANALYSIS FOR AS-BUILT SAFETY-RELATED PIPING (IEB 79-14); AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IEB 79-02). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED AND IMPLEMENTED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972. SECTION 5.3.6 OF ANSI N18.7 REQUIRES MEASUREMENTS TO KEEP SAFETY PARAMETERS WITHIN OPERATIONAL AND SAFETY LIMITS. CONTRARY TO THE ABOVE, THE OVERPRESSURE MITIGATING SYSTEM (OMS) FUNCTIONAL TEST WAS INADEQUATE IN THAT THE SUMMATOR CIRCUITRY WAS NOT TESTED. THIS RESULTED IN FAILURE TO DISCOVER THE OMS WAS INOPERABLE AND CONTRIBUTED TO THE REACTOR COOLANT SYSTEM OVERPRESSURE EVENTS OF NOVEMBER 28 AND 29, 1981.
(8131 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972. ANSI 18.7-1972 SECTION 5.3.4.1 REQUIRES INSTRUCTIONS FOR STARTING UP INCLUDING THE REQUIREMENT THAT VALVES BE PROPERLY ALIGNED. CONTRARY TO THE ABOVE, ALIGNMENT OF INSTRUMENTATION ROOT VALVES WAS NOT INCLUDED IN STATION PROCEDURES PRIOR TO REACTOR COOLANT SYSTEM FILL AFTER REFUELING OR PLANT STARTUP.
(8131 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN TO REPAIR MAIN GENERATOR AND REPLACE STEAM GENERATORS.

LAST IE SITE INSPECTION DATE: FEBRUARY 26 - APRIL 2, 1982 +

INSPECTION REPORT NO: 50-250/82-20 +

****
* TURKEY POINT 3 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L-0	01/03/82	01/26/82	FAILURE OF FIRE WATCH TO INSPECT INOPERABLE ZONE

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1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	75,433.0
13. Hours Reactor Critical	727.6	2,000.2	55,979.5
14. Rx Reserve Shtdwn Hrs	.0	.0	166.6
15. Hrs Generator On-Line	719.8	1,978.2	54,062.9
16. Unit Reserve Shtdwn Hrs	.0	.0	31.2
17. Gross Therm Ener (MWH)	1,579,084	4,339,735	113,556,358
18. Gross Elec Ener (MWH)	507,450	1,402,555	36,124,622
19. Net Elec Ener (MWH)	482,884	1,332,616	34,221,394
20. Unit Service Factor	96.7	91.6	71.7
21. Unit Avail Factor	96.7	91.6	71.7
22. Unit Cap Factor (MDC Net)	100.5	95.5	70.2*
23. Unit Cap Factor (DER Net)	93.7	89.0	65.5
24. Unit Forced Outage Rate	.7	.3	2.9
25. Forced Outage Hours	5.2	5.2	1,216.1

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

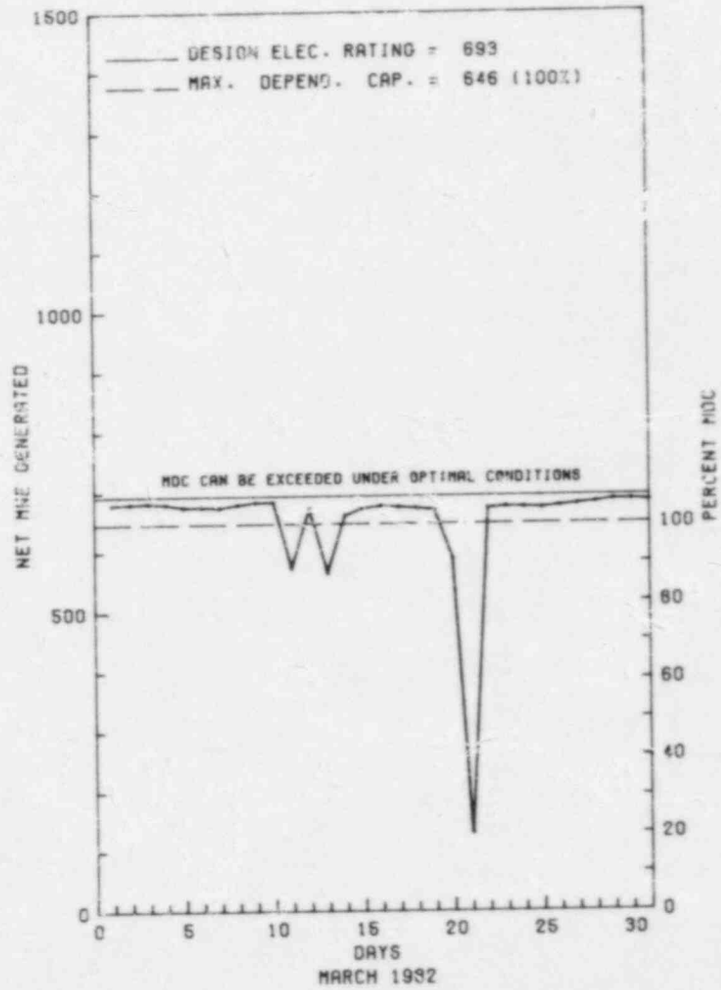
NONE

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

****
* TURKEY POINT 4 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

TURKEY POINT 4

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	03/11/82	F	2.4	A	3		HA	TURBIN	REACTOR TRIP CAUSED BY TURBINE TRIP. CAUSE OF TURBINE TRIP UNKNOWN. UNIT RETURNED TO POWER.
3	03/13/82	F	2.8	A	2		ID	GENERA	UNIT WAS MANUALLY TRIPPED, DUE TO LOSS OF ROD POSITION INDICATION CAUSED BY INVERTER FAILURE.
4	03/20/82	S	19.0	B	1		ZZ	ZZZZZZ	UNIT TAKEN OFF LINE FOR TURBINE OVERSPEED TEST AND FOR UNIT 3 SAFEGUARDS TEST.

SUMMARY

TURKEY POINT 4 OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

****
* TURKEY POINT 4 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA

COUNTY.....DADE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 11, 1973

DATE ELEC ENER 1ST GENER...JUNE 21, 1973

DATE COMMERCIAL OPERATE....SEPTEMBER 7, 1973

CONDENSER COOLING METHOD...CLOSED CANAL

CONDENSER COOLING WATER....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.....M. GROTENHUIS
DOCKET NUMBER.....50-251

LICENSE & DATE ISSUANCE....DPR-41, APRIL 10, 1973

PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION FEBRUARY 16-19 (82-05): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOACTIVE LIQUID AND GASEOUS EFFLUENT RELEASES, EFFLUENT CONTROL INSTRUMENTATION, REACTOR COOLANT CHEMISTRY, SOLID RADIOACTIVE WASTE MANAGEMENT, TRANSPORTATION ACTIVITIES, AND EXTERNAL EXPOSURE CONTROLS. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION JANUARY 18 - FEBRUARY 25 (82-06): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 106 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; POST TMI IMPLEMENTATION FOLLOWUP (NUREG-0737); PLANT OPERATIONS; SURVEILLANCE TEST OBSERVATIONS; AND PLANT TOURS. OF THE FIVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 23-26 (82-08): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; STEAM GENERATOR REPAIR PROGRAM; PRESERVICE AND INSERVICE INSPECTIONS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 22-25 AND MARCH 2-5 (82-09): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF PREOPERATIONAL TEST PROCEDURES, WITNESSING PREOPERATIONAL TESTING, REVIEW OF THE RESULTS OF PREOPERATIONAL TESTING; AND A TOUR OF THE CONTROL ROOM, AUXILIARY BUILDING AND THE UNIT 3 CONTAINMENT BUILDING. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

INSPECTION FEBRUARY 24 (82-10): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED FOUR INSPECTOR-HOURS ON SITE IN THE AREA OF EMERGENCY PLANNING, SPECIFICALLY THE INTERFACE AND ARRANGEMENTS BETWEEN THE LICENSEE ORGANIZATION AND THE RESPONDING NRC REGION II ORGANIZATION. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION FEBRUARY 24-26 (82-12): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 8 INSPECTOR-HOURS AT BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND, IN THE AREAS OF SEISMIC ANALYSIS FOR ASBUILT SAFETY-RELATED PIPING (IEB 79-14); AND PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHOR BOLTS (IEB 79-02). OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED AND IMPLEMENTED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972. SECTION 5.3.6 OF ANSI N18.7 REQUIRES MEASUREMENTS TO KEEP SAFETY PARAMETERS WITHIN OPERATIONAL AND SAFETY LIMITS. CONTRARY TO THE ABOVE, THE OVERPRESSURE MITIGATING SYSTEM (OMS) FUNCTIONAL TEST WAS INADEQUATE IN THAT THE SUMMATOR CIRCUITRY WAS NOT TESTED. THIS RESULTED IN FAILURE TO DISCOVER THE OMS WAS INOPERABLE AND CONTRIBUTED TO THE REACTOR COOLANT SYSTEM OVERPRESSURE EVENTS OF NOVEMBER 28 AND 30, 1981.
(8131 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.7-1972. ANSI 18.7-1972 SECTION 5.3.4.1 REQUIRES INSTRUCTIONS FOR STARTING UP INCLUDING THE REQUIREMENT THAT VALVES BE PROPERLY ALIGNED. CONTRARY TO THE ABOVE, ALIGNMENT OF INSTRUMENTATION ROOT VALVES WAS NOT INCLUDED IN STATION PROCEDURES PRIOR TO REACTOR COOLANT SYSTEM FILL AFTER REFUELING OR PLANT STARTUP.
(8131 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: FEBRUARY 26 - APRIL 2, 1982 +

INSPECTION REPORT NO: 50-251/82-20 +

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	83,498.8
13. Hours Reactor Critical	725.7	2,092.3	67,170.3
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	720.0	2,078.2	65,089.3
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	1,134,477	3,242,821	93,158,577
18. Gross Elec Ener (MWH)	385,782	1,102,932	30,974,903
19. Net Elec Ener (MWH)	369,776	1,057,658	29,373,944
20. Unit Service Factor	96.8	96.2	78.0
21. Unit Avail Factor	96.8	96.2	78.0
22. Unit Cap Factor (MDC Net)	98.6	97.2	69.8
23. Unit Cap Factor (DER Net)	96.7	95.3	68.4
24. Unit Forced Outage Rate	3.2	3.8	6.7
25. Forced Outage Hours	24.0	81.8	3,399.3

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

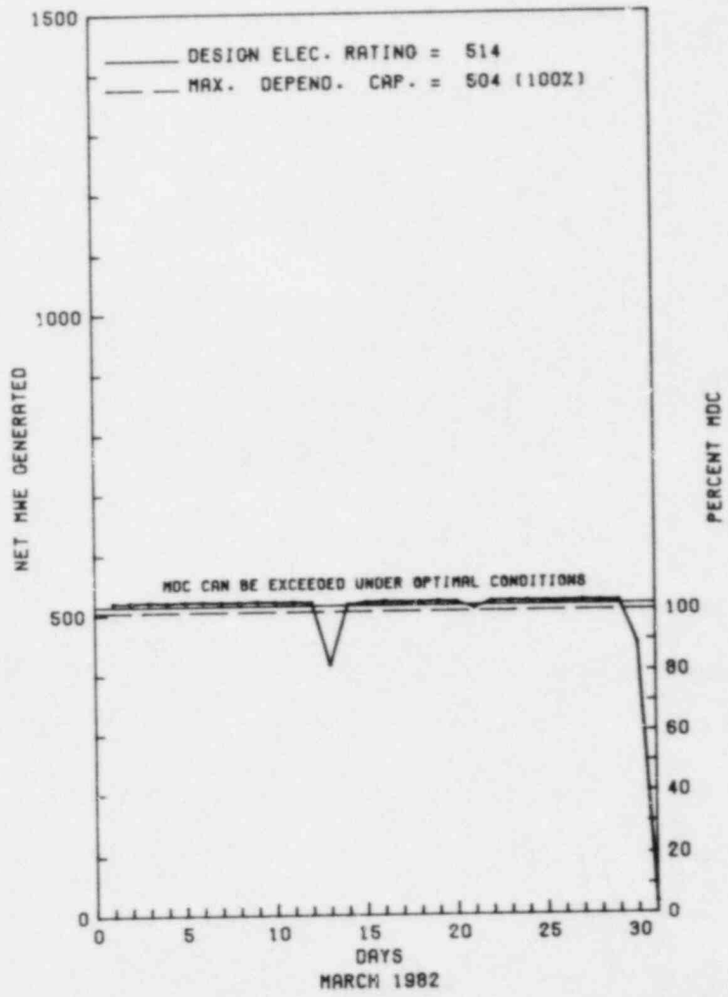
NONE

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

****
* VERMONT YANKEE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

VERMONT YANKEE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
82-05	03/13/82	S	0.0	B	5		RB	CONROD	POWER REDUCTION FOR A CONTROL ROD PATTERN EXCHANGE.
82-06	03/30/82	F	24.0	A	3		HB	INSTRU	REACTOR SCRAMMED ON HIGH FLUX IN RESPONSE TO A PRESSURE SPIKE WHICHORIGINATED IN THE MAIN TURBINE CONTROL SYSTEM. AN INVESTIGATION REVEALED THAT A TURBINE CONTROL OIL SYSTEM FILTER WAS LOOSENED TO THE EXTENT THAT UNFILTERED OIL COULD HAVE BEEN CYCLED BACK INTO THE SYSTEM.

SUMMARY

VERMONT YANKEE OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING MARCH.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-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)

****
* VERMONT YANKEE 1 *
****

FACILITY DATA

Report Period MAR 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. ROONEY
DOCKET NUMBER.....50-271

LICENSE & DATE ISSUANCE....DPR-28, FEBRUARY 28, 1973

PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

INSPECTION STATUS

INSPECTION SUMMARY

+ 50-271/82-01 - JAN 5 - FEB 1: ROUTINE ANNOUNCED INSPECTION BY TWO RESIDENT INSPECTORS (153 HRS) OF: ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS; IE BULLETINS FOLLOWUP; IE CIRCULAR FOLLOWUP; REVIEW OF SHIFT LOGS AND OPERATING RECORDS; PLANT TOURS; OBSERVATIONS OF PHYSICAL SECURITY; SURVEILLANCE TESTING; OBSERVATIONS OF ANNUAL INDOCTRINATION AND MEDICAL EMERGENCY EXERCISE; INSPECTOR FOLLOWUP OF EVENTS; REVIEW OF LICENSEE EVENT REPORT 81-36; REVIEW OF NUREG 0737 TMI ACTION PLAN REQUIREMENTS; A REVIEW OF NON-LICENSED OPERATOR TRAINING; AND, A REVIEW OF PIPING INSULATION ON SYSTEMS INSIDE THE DRYWELL. THREE VIOLATIONS WERE IDENTIFIED: FAILURE TO POST RADIATION AREA; FAILURE TO FOLLOW PROCEDURE; FAILURE TO INITIATE ACTION AFTER SEISMIC EVENT.

+ 50-271/82-02 - JAN 11-15: ROUTINE, UNANNOUNCED PHYSICAL PROTECTION INSPECTION BY TWO REGION BASED INSPECTORS (64 HRS) INCLUDED: SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION (MANAGEMENT, PERSONNEL, RESPONSE); SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; PHYSICAL BARRIERS (PROTECTED AREA, VITAL AREAS); SECURITY SYSTEM POWER SUPPLY; LIGHTING; ASSESSMENT AIDS; ACCESS CONTROL (PERSONNEL, PACKAGES, VEHICLES); DETECTION AIDS (PROTECTED ARE, VITAL AREAS); ALARM STATIONS; COMMUNICATIONS; FOLLOWUP ON ITEMS OF NONCOMPLIANCE. NO VIOLATIONS WERE IDENTIFIED.

+ 50-271/82-04 - FEB 16-19: ANNUAL EMERGENCY PREPAREDNESS EXERCISE OBSERVATION AND INSPECTION. THE INSPECTION INVOLVED 318 INSPECTION HOURS BY A TEAM OF 11 NRC REGION I, NRC HEADQUARTERS, AND NRC CONTRACTOR PERSONNEL. NO VIOLATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 20, SECTION 202(B)(2) AND SECTION 203(B) A WOODEN COMPACTING SHIPPING BOX LOCATED WITHIN THE SITE PROTECTED AREA INDICATED A RADIATION LEVEL READING IN EXCESS OF 5 MILLIREM PER HOUR AND WAS NOT BARRICADED OR POSTED AS A RADIATION AREA. IR 82-01 SECTION 6.B(2) CONTRARY TO TECH SPEC 6.5.A.4, AND VYOP 3021, NATURAL DISASTER SECTION 3, A SEISMIC EVENT OCCURRED AT VY SITE AS DETECTED BY GRAND MOTION AND OFFSITE INSTRUMENTS AND THE REQUIRED ACTIONS OF OP-3021, SECTION 3 WERE NOT INITIATED. JR 82-01, SECTION 10.B(2).
(8201 4)

CONTRARY TO TECH SPEC 6.5.A.6, VYAP 4000, SURVEILLANCE TESTING CONTROL, SECTION A.6 AND VYRP 4396 STRONG MOTION ACCELEROGRAPH FUNCTION TEST, THE STRONG-MOTION SEISMAGRAPH INSTALLED AT VY WAS NOT AVAILABLE TO RECORD AROUND MOTION IN THE X-Y AND Z DIRECTIONS AS EVIDENCED BY FUNCTIONAL TEST DATA AND NO CORRECTIVE ACTIONS OR SPECIAL TESTING REQUIREMENTS WERE INITIATED BETWEEN 12-16-80 AND 1-18-82. IR 82-01 SECTION 10.A(2).
(8201 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ A PROCEDURAL ERROR WAS DISCOVERED ON MARCH 9, 1982, THAT USED AN INCORRECT VALUE OF SOLUTION SPECIFIC GRAVITY IN THE CALCULATION TO CONVERT MEASURED BORON CONCENTRATION (IN PPM) TO WEIGHT PERCENT IN THE STANDBY LIQUID CONTROL (SLC) TANK. THE ERROR RESULTED IN A 5% NON-CONSERVATIVE ESTIMATE OF SLC TANK CONCENTRATION AND PREVIOUS PLANT OPERATION OUTSIDE OF TECHNICAL SPECIFICATION LIMITS. PROCEDURES WERE REVISED.

+ THE REACTOR TRIPPED ON HIGH FLUX AT 8:40 P.M. ON MARCH 30, 1982, DUE TO TURBINE CONTROL SYSTEM INDIRECT PRESSURE OSCILLATIONS.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

+ THE NRC EMERGENCY PLAN APPRAISAL TEAM CONCLUDED A TWO-WEEK AUDIT OF EMERGENCY PREPAREDNESS ON MARCH 24, 1982.

PLANT STATUS:

+ PREPARATIONS FOR STARTUP IN PROGRESS FOLLOWING THE REACTOR SCRAM ON MARCH 30, 1982. ROUTINE OPERATIONS AT RATED POWER PRIOR TO MARCH 30, 1982. OFFGAS AND STACK RELEASE RATES WERE 533 MICROCURIES PER SECOND AND LESS THAN 100 MICROCURIES PER SECOND, RESPECTIVELY.

LAST IE SITE INSPECTION DATE: 3/15-26/82 +

INSPECTION REPORT NO: 50-271/82-05 +

REPORTS FROM LICENSEE

****
* VERMONT YANKEE 1 *
****

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-001/ 03L	01/28/82	02/25/82	ENTERING THE IRM RANGE DURING STARTUP, OBSERVATION REVEALED IRM CHANNEL B INDICATION WAS ERRATIC AND WAS DECLARED INOPERABLE
82-002/ 03L	02/06/82	03/03/82	WITH THE PLANT AT STANDBY STATE, CONTROL ROOM PERSONNEL REPORTED A UPS-B TROUBLE ALARM. UPON INVESTIGATION, IT WAS FOUND THAT THE AC GROUND ALARM AND BLOWN FUSE ALARM WERE ACTIVATED.
82-003/ 01T	02/20/82	03/06/82	FOLLOWING THE ADDITION OF WATER TO THE SLC TANK AS A RESULT OF THE ISI PUMP TEST ON 2/19/82, A SAMPLE OF THE SOLUTION WAS TAKEN AS REQUIRED BY TS 4.4.C ON 2/20/82. THE SAMPLE REVEALED THAT THE BORON CONCENTRATION WAS BELOW THAT REQUIRED BY TS 3.4.C.
92-007/ 01P	03/09/82	03/09/82	A REVIEW OF THE SAMPLING AND TREATMENT OF THE SLC SYSTEM PROCEDURE REVEALED AN ERROR IN THE CALCULATION OF SODIUM PENTABORATE CONCENTRATION IN THE SLC TANK

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1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 03/01/82 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): 150

11. Reasons for Restrictions, If Any:

INSTALL TURBINE GAFFLE PLATES

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	187,341.0
13. Hours Reactor Critical	744.0	2,160.0	149,091.0
14. Rx Reserve Shtdwn Hrs	.0	.0	.0
15. Hrs Generator On-Line	744.0	2,160.0	144,640.2
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	439,651	1,279,799	77,784,733
18. Gross Elec Ener (MWH)	113,053	330,551	23,670,244
19. Net Elec Ener (MWH)	104,998	307,126	22,150,220
20. Unit Service Factor	100.0	100.0	77.2
21. Unit Avail Factor	100.0	100.0	77.2
22. Unit Cap Factor (MDC Net)	80.6	81.3	69.6*
23. Unit Cap Factor (DER Net)	80.6	81.3	69.6*
24. Unit Forced Outage Rate	.0	.0	5.1
25. Forced Outage Hours	.0	.0	6,702.1

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

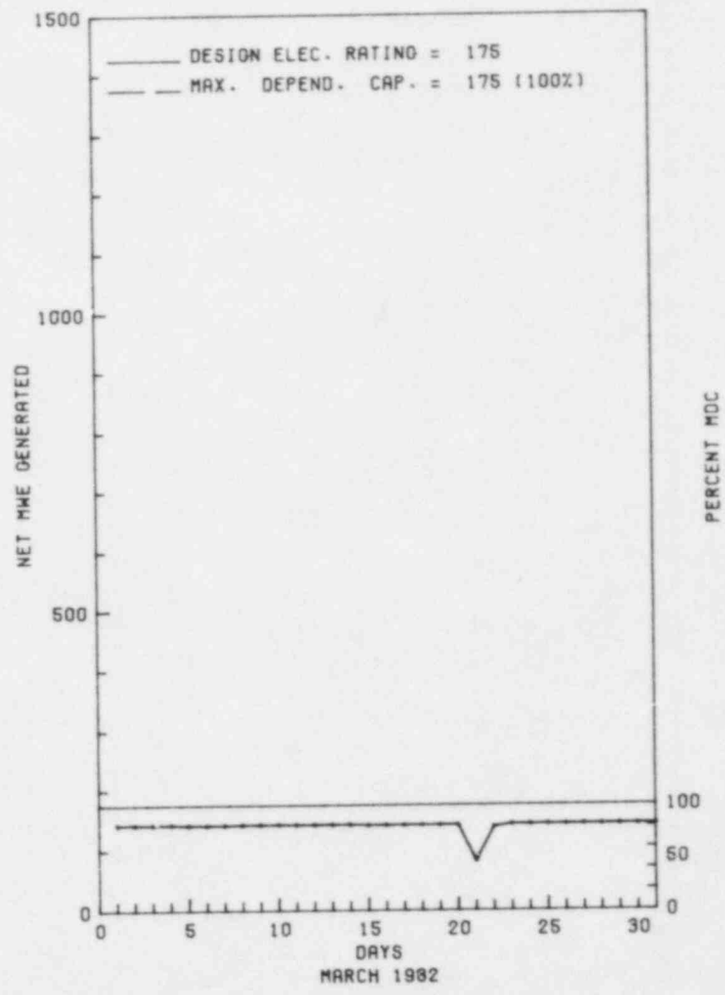
REFUELING/MAINTENANCE SHUTDOWN - 09/11/82 - 13 WKS

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

****
* YANKEE-ROWE 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



* Item calculated with a Weighted Average

Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

YANKEE-ROWE 1

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	03/21/82	S	0.0	B	5				POWER REDUCTION OF >20% FOR A 24-HOUR PERIOD RESULTED TO ALLOW COMPLETION OF CONDENSER WATER BOX TUBE CLEANING AND OTHER PREVENTIVE MAINTENANCE ITEMS.

SUMMARY

YANKEE-ROWE OPERATED ROUTINELY DURING MARCH WITH 1 REDUCTION AND NO 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)

****
* YANKEE-ROWE 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS

COUNTY.....FRANKLIN

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...AUGUST 19, 1960

DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960

DATE COMMERCIAL OPERATE....JULY 1, 1961

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....DEERFIELD RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC

CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....STONE & WEBSTER

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

LICENSING PROJ MANAGER.....R. CARUSO
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

+ NONE

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1 & 2, THE LICENSEE PERFORMED 2 RADIOACTIVE WASTE OPERATIONS, 1 WITHOUT THE USE OF A PROCEDURE & 1 WITHOUT THE USE OF APPROVED PROCEDURE AS REQUIRED BY T/S 6.8.1 & 2 & RG 1.33 APPENDIX A.
(8121 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING AT FULL POWER

LAST IE SITE INSPECTION DATE: 3/24-26/82 +

INSPECTION REPORT NO: 50-29/82-06 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

1. Docket: 50-295 O P E R A T I N G S T A T U S

2. Reporting Period: 03/01/82 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): NONE

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	72,312.0
13. Hours Reactor Critical	.0	1,035.0	51,991.6
14. Rx Reserve Shtdwn Hrs	.0	.0	2,621.8
15. Hrs Generator On-Line	.0	1,034.8	50,585.7
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	0	3,311,067	144,676,720
18. Gross Elec Ener (MWH)	0	1,087,485	46,613,285
19. Net Elec Ener (MWH)	-5,025	1,036,199	44,227,940
20. Unit Service Factor	.0	47.9	70.0
21. Unit Avail Factor	.0	47.9	70.0
22. Unit Cap Factor (MDC Net)	.0	46.1	58.8
23. Unit Cap Factor (DER Net)	.0	46.1	58.8
24. Unit Forced Outage Rate	.0	14.0	12.9
25. Forced Outage Hours	.0	168.0	6,836.7

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

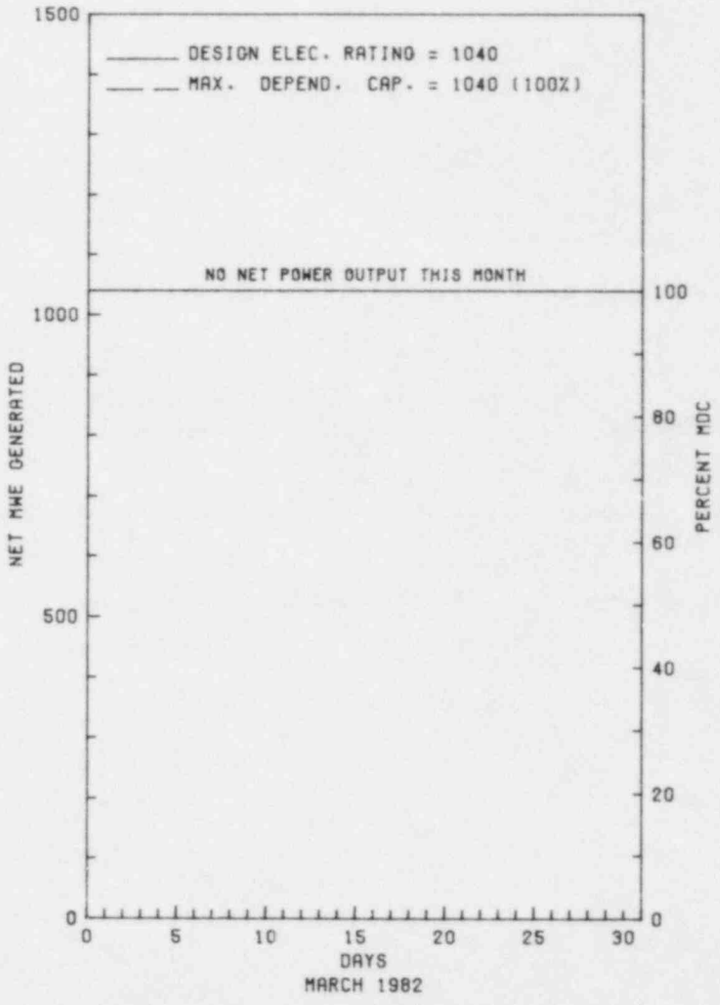
NONE

27. If Currently Shutdown Estimated Startup Date: 05/24/82

****
* ZION 1 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



Report Period MAR 1982

UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 1 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/20/82	S	744.0	C	4				CONTINUED FROM FEBRUARY CYCLE VI-VII REFUELING OUTAGE.

****
* SUMMARY *
****

ZION 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)

****
* ZION 1 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JUNE 19, 1973

DATE ELEC ENER 1ST GENER...JUNE 28, 1973

DATE COMMERCIAL OPERATE....DECEMBER 31, 1973

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WATERS

LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-295

LICENSE & DATE ISSUANCE....DPR-39, OCTOBER 19, 1973

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ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON DECEMBER 11, 12, 18, 1981 AND JANUARY 7, 1982 (82-01): SPECIAL INSPECTION TO REVIEW FAILURE OF 2B AUXILIARY FEEDWATER PUMP ON DECEMBER 6, 1981 (LER 50-304/81-31) AND FAILURES OF 2B AND 2C AUXILIARY FEEDWATER PUMPS ON DECEMBER 11, 1981 (LER 50-304/81-33). THE REVIEW CONSISTED OF INTERVIEWS WITH OPERATING, MAINTENANCE, TECHNICAL STAFF AND STATION NUCLEAR ENGINEERING DEPARTMENT PERSONNEL, EXAMINATIONS OF THE SHIFT LOG AND COMPUTER ALARM TYPER PRINTOUTS, REVIEW OF TEST PROCEDURES, WITNESSING OF TESTS, AND REVIEW OF TEST RESULTS. THE INSPECTION INCLUDED 27 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED DURING THE INSPECTION.

INSPECTION ON FEBRUARY 17, (82-06): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN". THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

REFUELING IS EXPECTED TO START ON 3/30/82.

LAST IE SITE INSPECTION DATE: FEBRUARY 17, 1982

INSPECTION REPORT NO: 82-06

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-04/ 03L-0	02/03/82	03/04/82	SNUBBER BDRS-1761 ON STEAM GENERATOR BLOWDOWN PIPING WAS FOUND IN AIRBOUND CONDITION WHICH SUBSTANTIATED INOPERABILITY.
82-05/ 01T-0	02/26/82	03/12/82	A FLOW REDUCTION OCCURRED IN UNIT 1 RC LOOP D FLOW CHANNELS.
82-06/ 03L-0	02/18/82	03/19/82	THE RECORDER FOR STACK GAS MONITOR ORT PR 18A DID NOT RESPOND TO RAD. MONITOR READINGS.
82-07/ 03L-0	02/16/83	03/18/82	DURING HOT SHUTDOWN, 1D STEAM GENERATOR PRESSURE CHANNEL FAILED SPORADICALLY.
82-08/ 03L-0	02/19/82	03/19/82	DURING COLD SHUTDOWN OF BOTH UNITS PERFORMING NIGHTLY RAD MON. SURV. THE AUX. BUILDING AREA MONITOR READ FULL SCALE LOW.
82-09/ 01T-0	03/08/82	03/22/82	DURING REFUELING OUTAGE, 5 TUBES WITH PLUGGABLE DEFECTS WERE NOT PLUGGED AS REQUIRED BY T.S.
82-10/ 03L-0	03/02/82	03/24/82	CONTAINMENT PURGE EXHAUST ISO. VALVE IRV-0003 FAILED TO FULLY CLOSE.

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1. Docket: 50-304 OPERATING STATUS
2. Reporting Period: 03/01/82 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): NONE
11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	744.0	2,160.0	66,025.0
13. Hours Reactor Critical	257.5	996.3	47,337.3
14. Rx Reserve Shtdwn Hrs	.0	.0	226.1
15. Hrs Generator On-Line	240.3	905.0	45,945.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MWH)	404,524	1,775,952	129,606,104
18. Gross Elec Ener (MWH)	128,355	550,410	41,348,170
19. Net Elec Ener (MWH)	108,876	488,939	39,225,856
20. Unit Service Factor	32.3	41.9	69.6
21. Unit Avail Factor	32.3	41.9	69.6
22. Unit Cap Factor (MDC Net)	14.1	21.8	57.1
23. Unit Cap Factor (DER Net)	14.1	21.8	57.1
24. Unit Forced Outage Rate	67.7	58.1	18.4
25. Forced Outage Hours	503.7	1,255.0	10,438.9

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

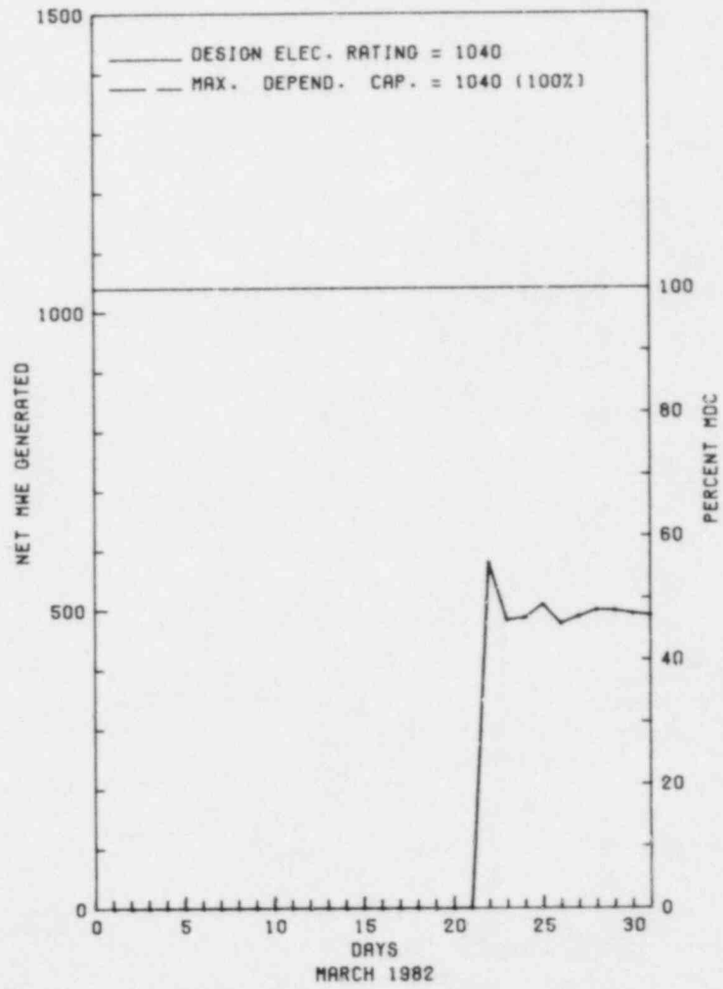
NONE

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

****
* ZION 2 *
****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



Report Period MAR 1982 UNIT SHUTDOWNS / REDUCTIONS

****
* ZION 2 *
****

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	02/06/82	F	503.7	A	4				CONTINUED FROM FEBRUARY UNIT SHUTDOWN DUE TO TURBINE VIBRATION.
5	02/06/82	F	503.7	A	5				

****
* SUMMARY *
****

ZION 2 RETURNED ONLINE MARCH 22ND FROM A CONTINUING REPAIR OUTAGE.

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

****
* ZION 2 *
****

FACILITY DATA

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....LAKE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 24, 1973

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

DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER....LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. WATERS

LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-304

LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973

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ZION, ILLINOIS 60099

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 13-14, 1981 AND FEBRUARY 3-4, 1982 (81-22): OBSERVATION OF INSERVICE INSPECTION ACTIVITIES. REVIEW OF ISI DOCUMENTATION, CERTIFICATION OF MATERIALS, EQUIPMENT, AND PERSONNEL. THIS INSPECTION INVOLVED A TOTAL OF 16 INSPECTOR-HOURS BY ONE NRC INSPECTOR. OF THE AREAS EXAMINED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON DECEMBER 11, 12, 18, 1981 AND JANUARY 7, 1982 (82-01): SPECIAL INSPECTION TO REVIEW FAILURE OF 2B AUXILIARY FEEDWATER PUMP ON DECEMBER 6, 1981 (LER 50-304/81-31) AND FAILURES OF 2B AND 2C AUXILIARY FEEDWATER PUMPS ON DECEMBER 11, 1981 (LER 50-304/81-33). THE REVIEW CONSISTED OF INTERVIEWS WITH OPERATING, MAINTENANCE, TECHNICAL STAFF AND STATION NUCLEAR ENGINEERING DEPARTMENT PERSONNEL, EXAMINATIONS OF THE SHIFT LOG AND COMPUTER ALARM TYPER PRINTOUTS, REVIEW OF TEST PROCEDURES, WITNESSING OF TESTS, AND REVIEW OF TEST RESULTS. THE INSPECTION INCLUDED 27 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED DURING THE INSPECTION.

INSPECTION ON FEBRUARY 17, (82-06): LICENSEE ACTION RELATIVE TO BULLETIN NO. 80-11, "MASONRY WALL DESIGN". THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS 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:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: FEBRUARY 17, 1982

INSPECTION REPORT NO: 82-06

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
82-01 03L-0	01/09/82	02/08/82	DURING NORMAL OPERATION 2C STEAM GENERATOR PRESSURE CHANNEL 524 FAILED HIGH.
82-02/ 03L-0	01/18/82	02/17/82	BORIC ACID SAMPLE RESULTS SHOWED LOWER IN CONCENTRATION.

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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		01-83	1989
ARKANSAS 2	177	486	60	428		09-82	1989
BEAVER VALLEY 1	157	833	52	781		N/S	1995
CALVERT CLIFFS 1	217	1760(c)	584(c)	1176(c)(m)	1246	04-82	1990
CALVERT CLIFFS 2	217					10-82	1990
COOK 1	193	2050(c)	494(c)	1556(c)		06-82	1994
COOK 2	193					05-82	
CRYSTAL RIVER 3	177	1163	112	1051		09-82	1997
DAVIS-BESSE 1	177	735	92	591		03-82	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	11-82	1985
GINNA	121	595	260	335		03-82	1992
HADDAM NECK	157	1168	441	727		03-83	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		03-82	1993
KEWAUNEE	121	990	228	762(m)		04-82	1991
MAINE YANKEE	217	953	577	376	1678	10-82	1987
MCGUIRE 1	193	500	23	477(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)	920	892(1)(n)		03-83	1991
OCONEE 2	177					N/S	
OCONEE 3	177					05-82	
PALISADES	204	784	412	372		N/S	1988
POINT BEACH 1	121	1502(c)	344(c)	1158(c)		10-82	1995
POINT BEACH 2	121					03-82	
PRAIRIE ISLAND 1	121	1017(c)	401(c)	616(c)(m)	840	10-82	1988
PRAIRIE ISLAND 2	121					06-82	
RANCHO SECO 1	177	579	196	383		04-82	1987
ROBINSON 2	157	276	113	163(e)	431	N/S	1985(g)
SALEM 1	193	1170	160	1010		N/S	1996
SALEM 2	193	1170	0	1170		12-82	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
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
SURRY 1	157	1044(c)	504(c)	540(c)		N/S	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(c)	228(c)(m)		10-83	1987
TURKEY POINT 4	157	621	378	243		10-82	1988
YANKEE-ROWE 1	76	391	225	166	496	09-82	1988
ZION 1	193	2112(c)	628(c)	1484(c)		N/S	1992
ZION 2	193					09-82	1992

BOILING WATER REACTORS — STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY	(a) CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b) WILL FILL PRESENT AUTH. CAPACITY
BIG ROCK POINT 1	84	193	192	1	529	N/S	1983
BROWNS FERRY 1	764	3471	815	2655		03-82	1985
BROWNS FERRY 2	764	3471	640	160(m)	1109	08-82	1985
BROWNS FERRY 3	764	3471	620	365(m)		N/S	1985
BRUNSWICK 1	560	(f)	160PWR+476BWR			06-82	1986
BRUNSWICK 2	560		144PWR+264BWR			09-82	1986
COOPER STATION	548	2366	732	1634		05-82	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2840(c)	1652 (c)	1358(c)	649(c)	06-82	1985
DRESDEN 3	724				5422	N/S	
DUANE ARNOLD	368	2050	448	1602		09-82	1998
FITZPATRICK	560	2244	428	1460		N/S	1991
HATCH 1	560	3021	0	3021		09-82	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	165	275		04-82	1990
MILLSTONE 1	580	2184	954	1230		07-82	1991
MONTICELLO	484	2237	912	1325		09-82	1991
NINE MILE POINT 1	532	1984	1044	940	1965	04-82	1990
OYSTER CREEK 1	560	1800	781	1019		07-82	1987
PEACH BOTTOM 2	764	2816	910	1906		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	09-82	1986
QUAD CITIES 2	724	2920	2132	788		N/S	1986
VERMONT YANKEE 1	368	2000	990	1010		N/S	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 *	7.67	08/01/74	ARKANSAS 1
* OPERATING *	19.31	12/08/62	BIG ROCK POINT 1
* ELECTRICAL *	5.55	09/12/76	BROWNS FERRY 3
* PRODUCING *	7.24	01/03/75	CALVERT CLIFFS 1
* UNITS *	4.03	03/22/78	COOK 2
**********	4.59	08/28/77	DAVIS-BESSE 1
	7.87	05/19/74	DUANE ARNOLD
	7.16	02/01/75	FITZPATRICK
	12.33	12/02/69	GINNA
	3.52	09/22.78	HATCH 2
	7.98	04/08.74	KEWAUNEE
	.75	06/30/81	MCGUIRE 1
	11.07	03/05/71	MONTICELLO
	1.60	08/25/80	NORTH ANNA 2
	7.58	09/01/74	OCONEE 3
	8.11	02/18/74	PEACH BOTTOM 2
	11.40	11/06/70	POINT BEACH 1
	7.28	12/21/74	PRAIRIE ISLAND 2
	7.47	10/13/74	RANCHO SECO 1
	.83	06/03/81	SALEM 2
			SEQUOYAH 2
	9.06	03/10/73	SURRY 2
	9.41	11/02/72	TURKEY POINT 3
	21.39	11/10/60	YANKEE-ROWE 1
	3.26	12/26/78	ARKANSAS 2
	8.46	10/15/73	BROWNS FERRY 1
	5.32	12/04/76	BRUNSWICK 1
	5.31	12/07/76	CALVERT CLIFFS 2
	7.89	05/10/74	COOPER STATION
	11.97	04/13/70	DRESDEN 2
	4.62	08/18/77	FARLEY 1
	8.60	08/25/73	FORT CALHOUN 1
	14.65	08/07/67	HADDAM NECK
	8.76	06/26/73	INDIAN POINT 2
	13.93	04/26/68	LA CROSSE
	11.34	11/29/70	MILLSTONE 1
	12.39	11/09/69	NINE MILE POINT 1
	8.90	05/06/73	OCONEE 1
	12.52	09/23/69	OYSTER CREEK 1
	7.58	09/01/74	PEACH BOTTOM 3
	9.66	08/02/72	POINT BEACH 2
	9.97	04/12/72	QUAD CITIES 1
	11.51	09/26/70	ROBINSON 2
	14.71	07/16/67	SAN ONOFRE 1
	5.90	05/07/76	ST LUCIE 1
	7.78	06/19/74	THREE MILE ISLAND 1
	8.78	06/21/73	TURKEY POINT 4
	8.76	06/28/73	ZION 1
	5.80	06/14/76	BEAVER VALLEY 1
	7.59	08/28/74	BROWNS FERRY 2
	6.92	04/29/75	BRUNSWICK 2
	7.14	02/10/75	COOK 1
	5.17	01/30/77	CRYSTAL RIVER 3
	10.69	07/22/71	DRESDEN 3
	.85	05/25/81	FARLEY 2
	5.30	12/11/76	FORT ST VRAIN
	7.39	11/11/74	HATCH 1
	5.93	04/27/76	INDIAN POINT 3
	9.39	11/08/72	MAINE YANKEE
	6.39	11/09/75	MILLSTONE 2
	3.96	04/17/78	NORTH ANNA 1
	8.32	12/05/73	OCONEE 2
	10.25	12/31/71	PALISADES
	9.70	07/19/72	PILGRIM 1
	8.32	12/04/73	PRAIRIE ISLAND 1
	9.86	05/23/72	QUAD CITIES 2
	5.26	12/25/76	SALEM 1
	1.69	07/22/80	SEQUOYAH 1
	9.74	07/04/72	SURRY 1
	6.27	12/23/75	TROJAN
	9.53	09/20/72	VERMONT YANKEE 1
	8.26	12/26/73	ZION 2

TOTAL 575.53 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	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	100.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	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

NON-POWER REACTORS IN THE U.S.

RESEARCH REACTORS

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	LFR	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	50.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10.0

CRITICAL EXPERIMENT FACILITIES

NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

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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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