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November 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 10-31-84

UNITED STATES NUCLEAR REGULATORY COMMISSION



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Manuscript Completed: December 1984
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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 Resource Management publishes this month status report "as part of the reporting requirements in Section 50.36 of 10 CFR Part 50 under GAO Clearance Number B-180225, with an expiration date of September 30, 1981," as stated in the October 3, 1978 letter from John M. Lovelady, Assistant Director, General Government Division, U.S. General Accounting Office, to J.M. Felton, Director, Division of Rules and Records, U.S. Nuclear Regulatory Commission

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

STATEMENT OF PURPOSE

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

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

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

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

T A B L E O F C O N T E N T S

	PAGE
GLOSSARY	ii
INDEX TO LICENSED UNITS	vii
<u>SECTION 1 - CURRENT DATA SUMMARIES</u>	
MONTHLY HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS	1-2
Licensed Power Reactors	1-2
Power Generation	1-2
Actual vs. Potential Energy Production	1-2
Outage Data	1-2
Reasons for Shutdown	1-3
Derated Units	1-3
Shutdowns Greater Than 72 Hours Each	1-3
UNIT AVAILABILITY, CAPACITY, AND FORCED OUTAGE RATE PLOT	1-4
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAL OPERATING UNITS	1-5
AVERAGE CAPACITY FACTORS BY VENDOR	
Vendor Plot	1-6
Statistics	1-7
MEMORANDA - SPECIAL INFORMATION	1-8
ERRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9
<u>SECTION 2 - OPERATING POWER REACTORS</u>	
ARKANSAS 1 THROUGH ZION 2	2-002 through 2-394
For each reactor:	
Operating Status	
Average Daily Power Level (MWe) Plot	
Unit Shutdowns/Reductions Summary	
Facility Data	
Inspection Status	
Licensee Reports	
<u>SECTION 3 - APPENDIX</u>	
STATUS OF SPENT FUEL STORAGE CAPABILITY	3-2
REACTOR-YEARS OF OPERATION	3-4
NON-POWER REACTORS IN THE U.S.	3-5

G L O S S A R Y

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

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

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 calendar 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.)

G L O S S A R Y (continued)

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

	PAGE		PAGE
ARKANSAS 1	2-002	NINE MILE POINT 1	2-194
ARKANSAS 2	2-006	NORTH ANNA 1	2-198
BEAVER VALLEY 1	2-012	NORTH ANNA 2	2-204
BIG ROCK POINT 1	2-016	OCONEE 1	2-208
BROWNS FERRY 1	2-020	OCONEE 2	2-214
BROWNS FERRY 2	2-026	OCONEE 3	2-220
BROWNS FERRY 3	2-034	OYSTER CREEK 1	2-226
BRUNSWICK 1	2-040	PALISADES	2-230
BRUNSWICK 2	2-046	PEACH BOTTOM 2	2-234
CALLAWAY 1	2-050	PEACH BOTTOM 3	2-238
CALVERT CLIFFS 1	2-054	PILGRIM 1	2-242
CALVERT CLIFFS 2	2-058	POINT BEACH 1	2-246
COOK 1	2-062	POINT BEACH 2	2-250
COOK 2	2-066	PRAIRIE ISLAND 1	2-254
COOPER STATION	2-070	PRAIRIE ISLAND 2	2-258
CRYSTAL RIVER 3	2-074	QUAD CITIES 1	2-262
DAVIS-BESSE 1	2-078	QUAD CITIES 2	2-266
DRESDEN 2	2-082	RANCHO SECO 1	2-270
DRESDEN 3	2-088	ROBINSON 2	2-276
DUANE ARNOLD	2-094	SALEM 1	2-280
FARLEY 1	2-098	SALEM 2	2-284
FARLEY 2	2-102	SAN ONOFRE 1	2-288
FITZPATRICK	2-106	SAN ONOFRE 2	2-294
FORT CALHOUN 1	2-110	SAN ONOFRE 3	2-298
FORT ST VRAIN	2-114	SEQUOYAH 1	2-302
GINNA	2-118	SEQUOYAH 2	2-308
GRAND GULF 1	2-122	ST LUCIE 1	2-314
HADDAM NECK	2-126	ST LUCIE 2	2-318
HATCH 1	2-130	SUMMER 1	2-322
HATCH 2	2-136	SURRY 1	2-326
INDIAN POINT 2	2-142	SURRY 2	2-332
INDIAN POINT 3	2-146	SUSQUEHANNA 1	2-338
KEWAUNEE	2-150	SUSQUEHANNA 2	2-342
LA CROSSE	2-154	THREE MILE ISLAND 1	2-346
LASALLE 1	2-158	TROJAN	2-350
LASALLE 2	2-164	TURKEY POINT 3	2-356
MAINE YANKEE	2-168	TURKEY POINT 4	2-362
MCGUIRE 1	2-172	VERMONT YANKEE 1	2-368
MCGUIRE 2	2-178	WASHINGTON NUCLEAR 2	2-372
MILLSTONE 1	2-182	YANKEE-ROWE 1	2-380
MILLSTONE 2	2-186	ZION 1	2-384
MONTICELLO	2-190	ZION 2	2-390

SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 80 IN COMMERCIAL OPERATION 63,133 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 4 IN POWER ASCENSION. 4,535 capacity; design elec. rating
 * POWER * used if MDC not determined
 * REACTORS * (b) 84 LICENSED TO OPERATE 67,668 TOTAL
 ***** (c) 3 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

	MDC NET		DER		DATE	DER
(a) WASH. NUC. 2	..1100	(b) Excludes these plants	1. DRESDEN 1.....200	(c) DIABLO CANYON 1	.. 04/19/84	.. 1084
SUSQUEHANNA 2	..1065	licensed for operation	2. HUMBOLDT BAY.....65	LIMERICK 1	.. 10/26/84	.. 1065
GRAND GULF 1	..1250	which are shut down	3. TMI 2.....906	BYRON 1	.. 10/31/84	.. 1120
CALLAWAY 1	..1188	indefinitely				

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE)	24,643,160	28,775,552	277,732,968
* POWER *	2. NET ELECTRICAL (MWHE)	23,337,260	27,390,030	263,988,250
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	55.1	67.5	62.9
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	55.1	67.5	62.9
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	51.4	61.0	58.2
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	50.3	59.6	56.8
	7. FORCED OUTAGE RATE (%)	11.3	13.3	10.5

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	23,559,957 NET	50.6
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	16,358,778 MWe	35.1
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	4,654,109 MWe	10.0
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,012,653 MWe	4.3
* PRODUCTION *			

POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	46,585,497 MWe	100.0% TOTAL	
(Using Maximum Dependable Capacity Net)			
5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	578,120 MWe		
6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWe		0 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	47	5,931.5	10.0	4,654,109
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	41	20,539.7	34.7	16,358,778
* DATA *					

	TOTAL	88	26,471.2	44.7	21,012,887

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

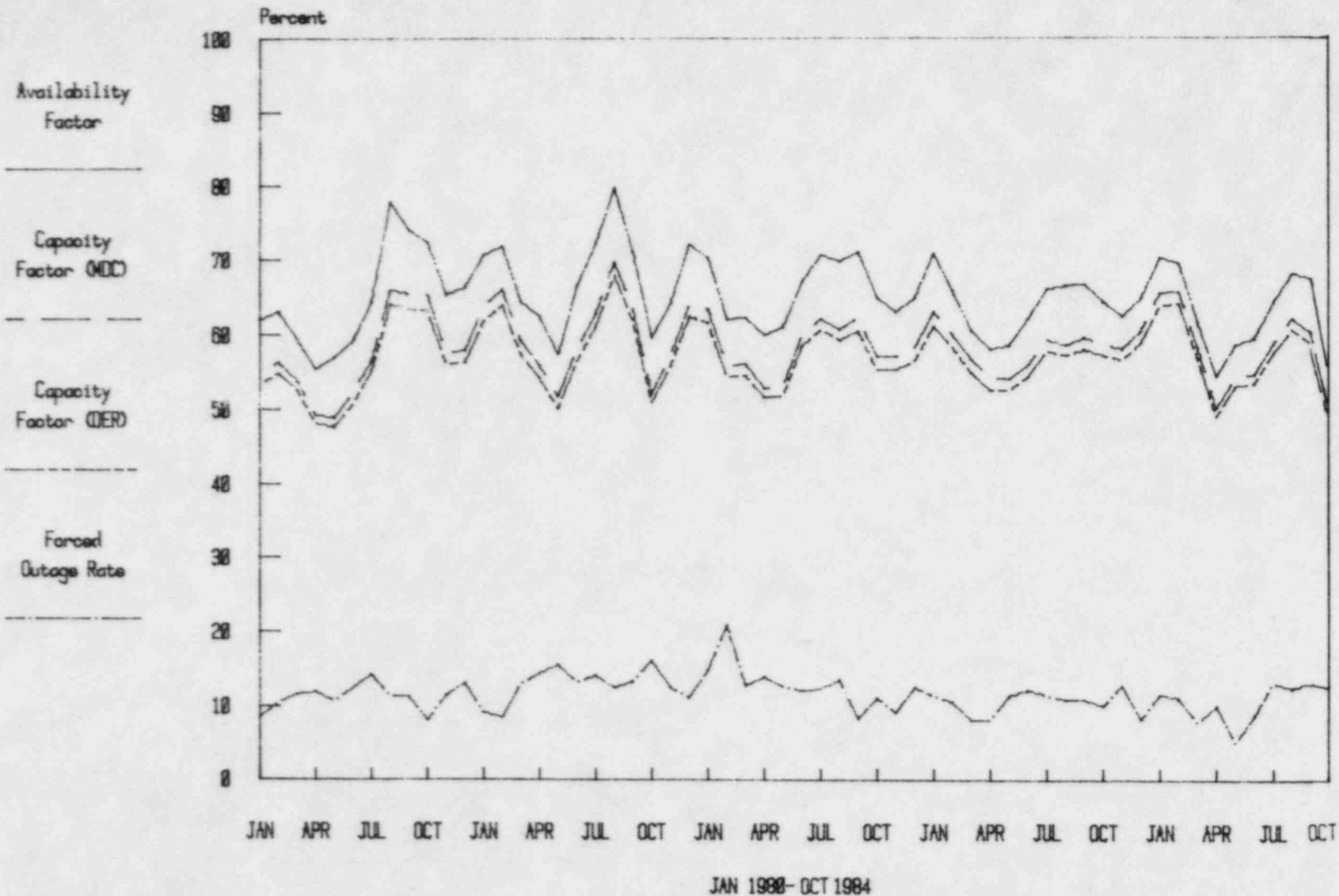
		NUMBER	HOURS LOST
*****	A - Equipment Failure	37	5,578.7
* REASONS *	B - Maintenance or Test	15	3,525.7
* FOR *	C - Refueling	24	15,485.3
* SHUTDOWNS *	D - Regulatory Restriction	1	745.0
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	0	0.0
	G - Operational Error	5	205.6
	H - Other	6	930.9
	TOTAL	88	26,471.2

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

UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
* SHUTDOWNS *	ARKANSAS 1 C	ARKANSAS 2 A	BEAVER VALLEY 1 C	BROWNS FERRY 2 C			
* GREATER *	BROWNS FERRY 3 C	BRUNSWICK 2 C	COOPER STATION C	DAVIS-BESSE 1 C			
* THAN 72 HRS *	DRESDEN 2 C	DRESDEN 3 A	DUANE ARNOLD B	FITZPATRICK B			
* EACH *	FORT ST VRAIN A	HADDAM NECK C	HATCH 1 C	INDIAN POINT 2 C			
*****	INDIAN POINT 3 B	LASALLE 1 H	MONTICELLO C	NORTH ANNA 2 C			
	OCONEE 1 C	OYSTER CREEK 1 C	PALISADES A	PEACH BOTTOM 2 C			
	PILGRIM 1 C	POINT BEACH 2 C	PRAIRIE ISLAND 1 A	PRAIRIE ISLAND 2 C			
	RANCHO SECO 1 A,A	RUBINSON 2 C	SALEM 1 B,A	SALEM 2 A			
	SAN ONOFRE 1 B	SAN ONOFRE 2 C	SAN ONOFRE 3 B	SEQUOYAH 2 C			
	ST LUCIE 2 C	SUMMER 1 C	SURRY 1 A	SUSQUEHANNA 1 A,B			
	THREE MILE ISLAND 1 D	TROJAN A,G	TURKEY POINT 4 B,B	ZION 1 A			

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 10-31-84



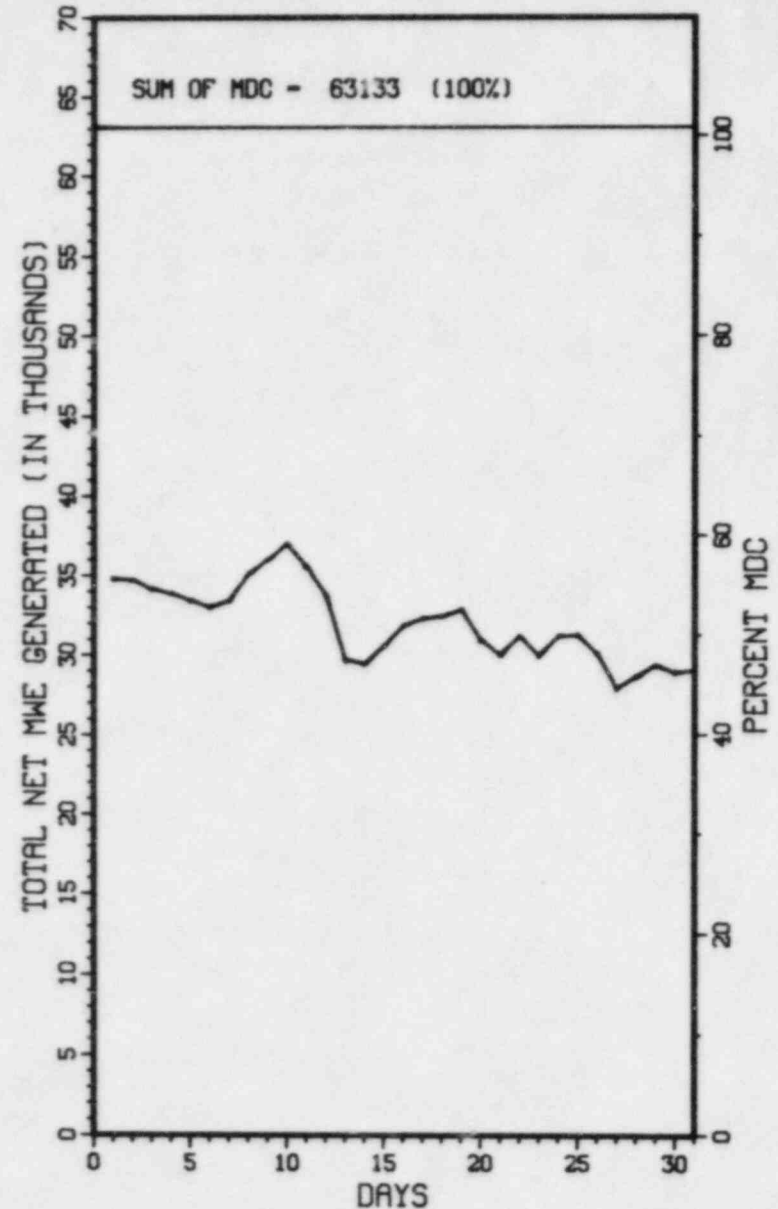
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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.

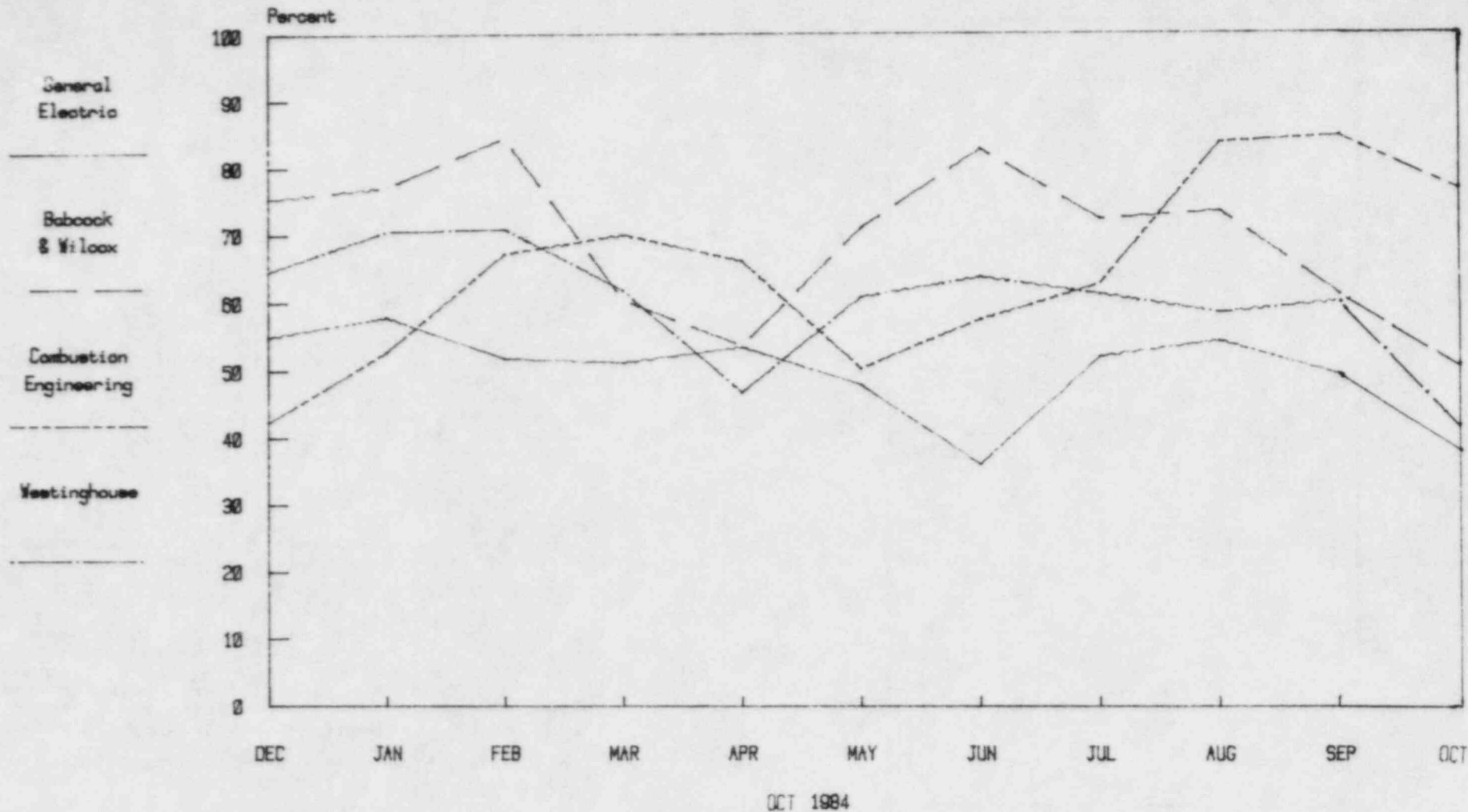
The scale on the left vertical axis runs in 1,000 MWe increments from 0 to 55,000 MWe (Net). The right vertical axis shows the percentage in 10% increments, up to 100% of the "SUM OF MDC".

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 10-31-84



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

AVERAGE CAPACITY FACTORS BY VENDORS

***** * GENERAL * * ELECTRIC * *****	CFMDC 97.5 BROWNS FERRY 1 0.0 BRUNSWICK 2 6.2 DUANE ARNOLD 0.0 LASALLE 1 98.6 NINE MILE POINT 1 0.0 PILGRIM 1 86.9 VERMONT YANKEE 1	CFMDC 0.0 BROWNS FERRY 2 0.0 COOPER STATION 0.0 FITZPATRICK 68.9 LASALLE 2 0.0 OYSTER CREEK 1 98.5 QUAD CITIES 1	CFMDC 0.0 BROWNS FERRY 3 11.1 DRESDEN 2 0.0 HATCH 1 96.5 MILLSTONE 1 0.0 PEACH BOTTOM 2 87.0 QUAD CITIES 2	CFMDC 86.0 BRUNSWICK 1 44.8 DRESDEN 3 80.9 HATCH 2 0.0 MONTICELLO 95.2 PEACH BOTTOM 3 60.5 SUSQUEHANNA 1
***** * BABCOCK & * * WILCOX * *****	CFMDC 28.0 ARKANSAS 1 87.7 OCONEE 2	CFMDC 93.7 CRYSTAL RIVER 3 98.0 OCONEE 3	CFMDC 0.0 DAVIS-BESSE 1 4.7 RANCHO SECO 1	CFMDC 15.0 OCONEE 1 0.0 THREE MILE ISLAND 1
***** * COMBUSTION * * ENGINEERING * *****	CFMDC 86.0 ARKANSAS 2 97.0 MAINE YANKEE 85.1 SAN ONOFRE 3	CFMDC 85.0 CALVERT CLIFFS 1 96.2 MILLSTONE 2 103.2 ST LUCIE 1	CFMDC 96.8 CALVERT CLIFFS 2 0.0 PALISADES 38.8 ST LUCIE 2	CFMDC 101.4 FORT CALHOUN 1 53.1 SAN ONOFRE 2
***** * WESTINGHOUSE * *****	CFMDC 32.0 BEAVER VALLEY 1 91.8 FARLEY 2 37.3 INDIAN POINT 3 77.1 NORTH ANNA 1 68.1 PRAIRIE ISLAND 1 10.3 SALEM 2 0.0 SUMMER 1 100.8 TURKEY POINT 3 97.7 ZION 2	CFMDC 82.7 COOK 1 101.5 GINNA 101.6 KEWAUNEE 0.0 NORTH ANNA 2 55.7 PRAIRIE ISLAND 2 0.0 SAN ONOFRE 1 0.0 SURRY 1 0.1 TURKEY POINT 4	CFMDC 96.7 COOK 2 0.0 HADDAM NECK 76.2 MCGUIRE 1 102.0 POINT BEACH 1 0.0 ROBINSON 2 95.3 SEQUOYAH 1 88.3 SURRY 2 99.3 YANKEE-ROWE 1	CFMDC 101.0 FARLEY 1 15.8 INDIAN POINT 2 86.6 MCGUIRE 2 0.0 POINT BEACH 2 9.7 SALEM 1 0.0 SEQUOYAH 2 47.7 TROJAN 74.4 ZION 1

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

* OTHER INFO *

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:

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

NET ELECTRICAL PRODUCTION.....	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
MDC NET.....	5,782,699	10,430,323	5,197,449	2,063,536	17,691,308
CFMDC.....	20,220	26,656	9,049	6,760	42,465
	39.6	52.5	77.1	41.0	55.9

MEMORANDA

THE FOLLOWING UNITS USE WEIGHTED AVERAGES TO CALCULATE CAPACITY FACTORS:

ITEM 22

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

ITEM 22 & 23

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

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

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

ITEMS 20 THROUGH 24

COOK 1 & 2
BEAVER VALLEY 1
SAN ONOFRE 1

ITEM 24 ONLY

BIG ROCK POINT 1

E R R A T A
CORRECTIONS TO PREVIOUSLY REPORTED DATA

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

REVISED MONTHLY HIGHLIGHTS

NONE

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: K. L. MORTON (501) 964-3155

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1003 X 0.9 = 903

6. Design Electrical Rating (Net MWe): 850

7. Maximum Dependable Capacity (Gross MWe): 883

8. Maximum Dependable Capacity (Net MWe): 836

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

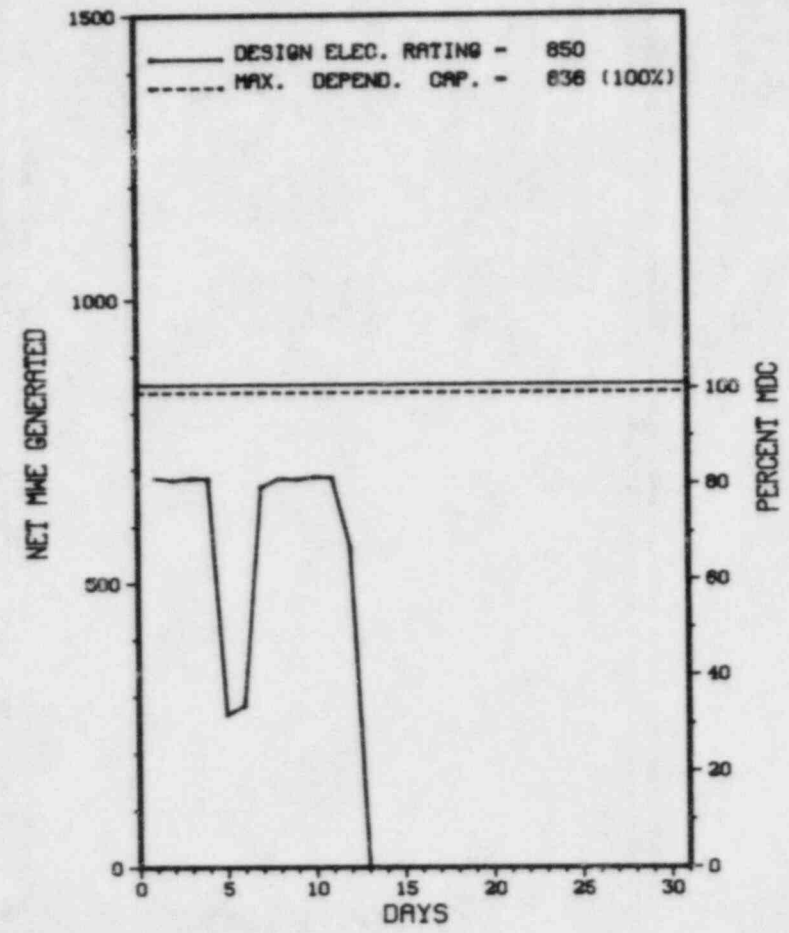
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>86,515.0</u>
13. Hours Reactor Critical	<u>278.0</u>	<u>6,222.4</u>	<u>58,657.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>272.9</u>	<u>6,153.3</u>	<u>57,403.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>552,260</u>	<u>14,432,514</u>	<u>136,352,811</u>
18. Gross Elec Ener (MWH)	<u>183,771</u>	<u>4,823,906</u>	<u>44,962,271</u>
19. Net Elec Ener (MWH)	<u>174,317</u>	<u>4,604,135</u>	<u>42,862,522</u>
20. Unit Service Factor	<u>36.6</u>	<u>84.1</u>	<u>66.4</u>
21. Unit Avail Factor	<u>36.6</u>	<u>84.1</u>	<u>67.3</u>
22. Unit Cap factor (MDC Net)	<u>28.0</u>	<u>75.2</u>	<u>59.3</u>
23. Unit Cap Factor (DER Net)	<u>27.5</u>	<u>74.0</u>	<u>58.3</u>
24. Unit Forced Outage Rate	<u>4.8</u>	<u>1.2</u>	<u>15.2</u>
25. Forced Outage Hours	<u>13.8</u>	<u>74.8</u>	<u>10,252.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/22/84

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-04	10/05/84	F	13.8	G	3	313-84-00S	EA	BU	REACTOR TRIP DUE TO LOSS OF 1H1 BUS. HUMAN ERROR CITED AS ROOT CAUSE. RETURN UNIT TO POWER.
84-05	10/12/84	S	458.3	C	1				SHUTDOWN FOR REFUELING.

* SUMMARY *

ARKANSAS 1 OPERATED ROUTINELY, SHUTTING DOWN ON THE 12TH FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* ARKANSAS 1 *

Report Period OCT 1984

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.....B. JOHNSON
LICENSING PROJ MANAGER....G. VISSING
DOCKET NUMBER.....50-313
LICENSE & DATE ISSUANCE...DPR-51, MAY 21, 1974
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED JUNE 18-29, 1984 (84-19)

ROUTINE, UNANNOUNCED INSPECTION OF THE ONSITE LOW-LEVEL RADIOACTIVE WASTE (LLRW) FACILITY, IMPLEMENTATION OF 10 CFR PARTS 20.311 AND 61, LOW-LEVEL RADIOACTIVE WASTE (RW) DISPOSAL, RADIOACTIVE MATERIAL TRANSPORTATION PROGRAM, AND NONLICENSED TRAINING PROGRAM FOR ONSITE AND CORPORATE PERSONNEL.

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

INSPECTION CONDUCTED JULY 1-31, 1984 (84-22)

ROUTINE, ANNOUNCED INSPECTION OF MAINTENANCE, SURVEILLANCE, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, AND PREPARATION FOR REFUELING.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JULY 9-13, 1984 (84-23)

ROUTINE, UNANNOUNCED INSPECTION OF THE AND EMERGENCY PREPAREDNESS PROGRAM, INCLUDING EMERGENCY DETECTION AND CLASSIFICATION, PROTECTIVE ACTION DECISIONMAKING, AND NOTIFICATION AND COMMUNICATIONS.

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

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWh): 2815

5. Nameplate Rating (Gross MWe): 943

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>40,344.0</u>
13. Hours Reactor Critical	<u>643.4</u>	<u>6,178.8</u>	<u>27,851.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>623.3</u>	<u>5,992.8</u>	<u>26,943.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,725,313</u>	<u>15,564,737</u>	<u>68,114,277</u>
18. Gross Elec Ener (MWH)	<u>575,195</u>	<u>5,181,330</u>	<u>22,198,281</u>
19. Net Elec Ener (MWH)	<u>549,891</u>	<u>4,943,606</u>	<u>21,149,946</u>
20. Unit Service Factor	<u>83.7</u>	<u>81.9</u>	<u>66.8</u>
21. Unit Avail Factor	<u>83.7</u>	<u>81.9</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>86.0</u>	<u>78.7</u>	<u>61.1</u>
23. Unit Cap Factor (DER Net)	<u>80.9</u>	<u>74.1</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>16.3</u>	<u>8.8</u>	<u>18.1</u>
25. Forced Outage Hours	<u>121.7</u>	<u>576.0</u>	<u>5,954.5</u>

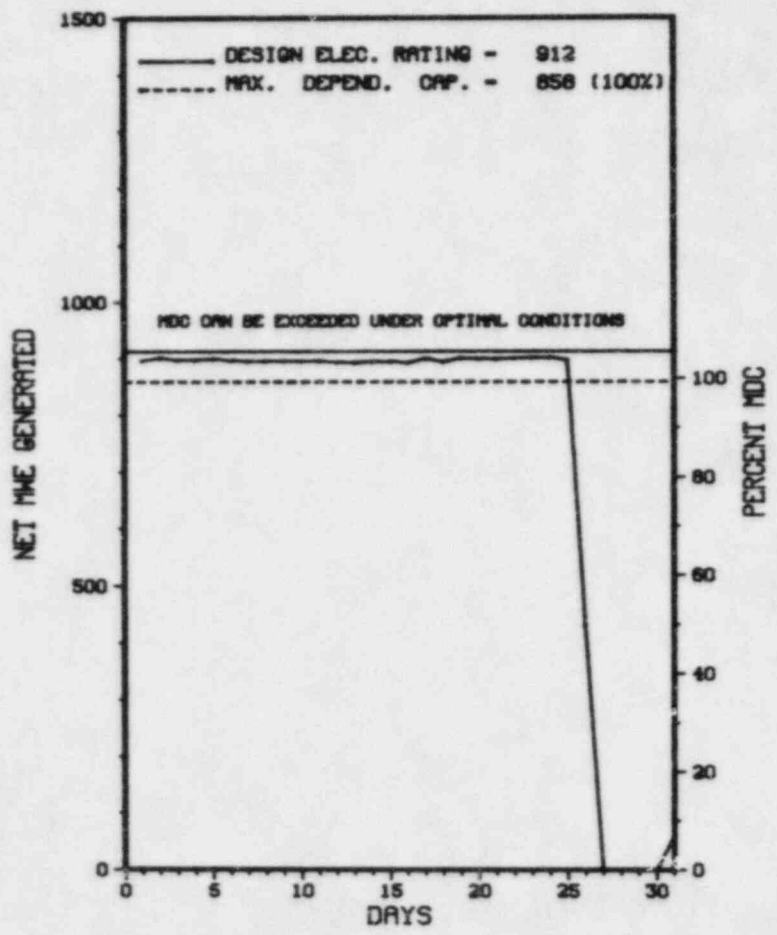
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING SHUTDOWN: 04/85

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ARKANSAS 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8409	10/26/84	F	113.5	A	3	84-26-00	AA	COIL	THE UNIT TRIPPED DUE TO A DROPPED CEA NO. 7. THIS WAS CAUSED BY A FAILED GRIPPER COIL.
8410	10/31/84	F	8.2	H	3	84-27-00	ZZ	ZZZZZZ	THE UNIT TRIPPED ON LOW DNBR/HIGH LPD. THIS WAS CAUSED BY ASI GOING OUT OF LIMITS.

 * SUMMARY *

 ARKANSAS 2 OPERATED WITH 2 OUTAGES AND NO REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ARKANSAS 2 *

Report Period OCT 1984

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...DECEMBER 5, 1978
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1978
DATE COMMERCIAL OPERATE...MARCH 26, 1980
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT
CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS
LITTLE ROCK, ARKANSAS 72203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....W. JOHNSON
LICENSING PROJ MANAGER....R. LEE
DOCKET NUMBER.....50-368
LICENSE & DATE ISSUANCE...NPF-6, SEPTEMBER 1, 1978
PUBLIC DOCUMENT ROOM.....ARKANSAS TECH UNIVERSITY
RUSSELLVILLE, ARKANSAS 72801

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

INSPECTION SUMMARY

INSPECTION CONDUCTED ON JUNE 18-29, 1984 (84-19)

ROUTINE, UNANNOUNCED INSPECTION OF THE ONSITE LOW-LEVEL RADIOACTIVE WASTE (LLRW) FACILITY, IMPLEMENTAION OF 10 CFR PARTS 20.311 AND 61, LOW-LEVEL RADIOACTIVE WASTE (RW) DISPOSAL, RADIOACTIVE MATERIAL TRANSPORTATION PROGRAM, AND NONLICENSED TRAINING PROGRAM FOR ONSITE AND CORPORATE PERSONNEL.

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

INSPECTION CONDUCTED JULY 1-31, 1984 (84-22)

ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS.

WITHIN THE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED JULY 9-13, 1984 (84-23)

ROUTINE, UNANNOUNCED INSPECTION OF THE AND EMERGENCY PREPAREDNESS PROGRAM INCLUDING EMERGENCY DETECTION AND CLASSIFICATION, PROTECTIVE ACTION DECISIONMAKING, AND NOTIFICATION AND COMMUNICATIONS.

Report Period OCT 1984

REPORTS FROM LICENSEE

* ARKANSAS 2 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-017-00	7-13-84	8-13-84	DEGRADED FIRE BARRIER
84-018-00	6-18-84	8-20-84	CATEGORY "E" VALVE IMPROPERLY ALIGNED
84-019-00	7-20-84	8-20-84	MANUAL REACTOR TRIP FOLLOWING TRANSFER OF INVERTER
84-020-00	7-26-84	8-29-84	REACTOR TRIP ON HIGH STEAM GENERATOR LEVEL
84-021-00	7-28-84	8-29-84	REACTOR TRIP ON HIGH STEAM GENERATOR LEVEL
84-025-00	7-27-84	9-10-84	CPC CHANNEL "D" RTD CALIBRATION AND RESPONSE TIME DEGRADATION T

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1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: M. V. KREIN (412) 643-1369

4. Licensed Thermal Power (MWt): 2660

5. Nameplate Rating (Gross MWe): 1026 X 0.9 = 923

6. Design Electrical Rating (Net MWe): 835

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>74,544.0</u>
13. Hours Reactor Critical	<u>255.0</u>	<u>6,476.3</u>	<u>37,359.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>255.0</u>	<u>6,304.1</u>	<u>36,083.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>658,804</u>	<u>15,808,973</u>	<u>83,398,505</u>
18. Gross Elec Ener (MWH)	<u>210,000</u>	<u>5,065,500</u>	<u>26,494,440</u>
19. Net Elec Ener (MWH)	<u>193,010</u>	<u>4,756,835</u>	<u>24,645,633</u>
20. Unit Service Factor	<u>34.2</u>	<u>86.1</u>	<u>50.8</u>
21. Unit Avail Factor	<u>34.2</u>	<u>86.1</u>	<u>50.8</u>
22. Unit Cap Factor (MDC Net)	<u>32.0</u>	<u>80.2</u>	<u>44.4</u>
23. Unit Cap Factor (DER Net)	<u>31.0</u>	<u>77.8</u>	<u>43.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.0</u>	<u>27.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>195.0</u>	<u>17,872.1</u>

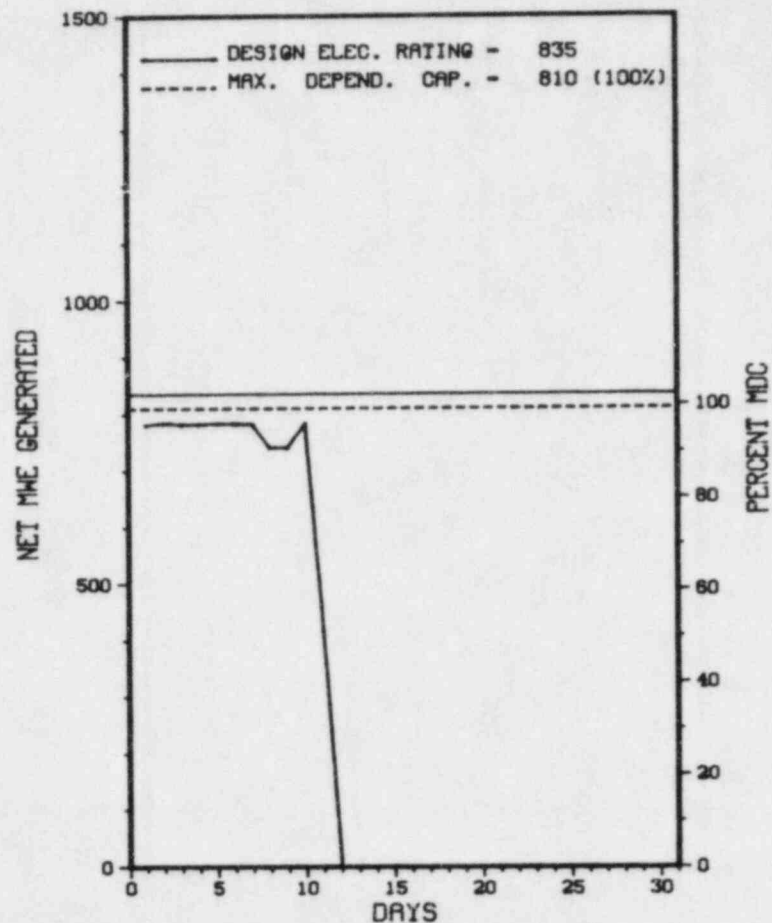
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/29/84

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	10/11/84	F	0.0	B	5	84-12	EB	XXXXXX	AT 1458 HOURS, THE REACTOR TRIPPED AS A RESULT OF THE LOSS OF THE 1B 4KV BUS. THIS WAS CAUSED BY EXCESSIVE GROUND CURRENT DURING BVPS UNIT 2 TRANSFORMER 42A BACK FEED TESTING. THE GROUNDS WERE REPOSITIONED, AND THE BVPS UNIT 1 TRANSFORMER 42C SHORTING SWITCH WAS REPLACED.
11	10/11/84	S	490.0	C	2		ZZ	ZZZZZZ	STATION SHUTDOWN FOR 4TH REFUELING OUTAGE.

 * SUMMARY *

 BEAVER VALLEY 1 SHUTDOWN ON OCTOBER 11TH FOR REFUELING AND MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....DUQUESNE LIGHT
CORPORATE ADDRESS.....ONE OXFORD CENTRE, 301 GRANT STREET
PITTSBURGH, PENNSYLVANIA 15279
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. TROSKOSKI
LICENSING PROJ MANAGER.....P. TAM
DOCKET NUMBER.....50-334
LICENSE & DATE ISSUANCE....DPR-66, JULY 2, 1976
PUBLIC DOCUMENT ROOM.....B.F. JONES MEMORIAL LIBRARY
633 FRANKLIN AVENUE
ALIQUIPPA, PA 15001

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECH SPEC 6.8 STATES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED & IMPLEMENTED FOR SURVEILLANCE AND TEST ACTIVITIES OF SAFETY RELATED EQUIPMENT AND SHALL BE REVIEWED BY THE ONSITE SAFETY COMMITTEE. CONTRARY TO ABOVE THE FOLLOWING ARE EXAMPLES OF A LACK OF MANAGEMENT CONTROLS INCLUDING QUALITY ASSURANCE FOR INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES: HYDROGEN RECOMBINERS VALVES MOV-1HY-201A AND MOV-1HY-201B ARE REQUIRED TO BE TESTED QUARTERLY IN ACCORDANCE WITH ASME SECT. XI 1WV-3410, AND VALVES WERE NOT BE TESTED QUARTERLY. THESE VALVES HAD SPECIFICALLY BEEN DENIED RELIEF FROM QUARTERLY TESTING IN A LETTER DATED JUNE 29, 1982 FROM NRC TO BV. THERE WERE NO APPROVED PROCEDURES CLEARLY DELINEATING AUTHORITIES, DUTIES AND RESPONSIBILITIES FOR INSERVICE TESTING OF PUMPS AND VALVES FROM HIGHEST MANAGEMENT LEVEL THROUGH INTERMEDIATE LEVELS TO AND INCLUDING TECHNICAL SUPPORT ACTIVITIES. THE QA AUDITS CONDUCTED OF THE INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES DURING OPERATIONS PROVIDED NO COVERAGE OF THE ASPECTS OF THE TEST PROCEDURE IMPLEMENTATION AND THE ACTUAL CONDUCT OF TESTING. AN ANNUAL QA AUDIT OF INSERVICE TESTING OF PUMPS AND VALVES WAS BEING CONDUCTED ON FEB. 15, 1984, USING AN UNAPPROVED COPY OF THE UPDATED INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES. THE BEAVER VALLEY, UNIT 1, INSERVICE TESTING PROGRAM FOR PUMPS AND VALVES, 20 MONTH UPDATE WAS SUBMITTED TO THE NRC ON MARCH 28, 1983 AND PLACED IN USE AT THE STATION WITHOUT BEING REVIEWED AND APPROVED BY THE ONSITE SAFETY COMMITTEE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT 1)

Report Period OCT 1984

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

* BEAVER VALLEY 1 *

ENFORCEMENT SUMMARY

(8406 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-155 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 240

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

6. Design Electrical Rating (Net MWe): 72

7. Maximum Dependable Capacity (Gross MWe): 74

8. Maximum Dependable Capacity (Net MWe): 70

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC NET & GROSS CHANGED BY CAPACITY TEST

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>189,307.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,519.0</u>	<u>133,229.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,445.3</u>	<u>130,738.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>166,960</u>	<u>1,041,969</u>	<u>24,527,860</u>
18. Gross Elec Ener (MWH)	<u>53,865</u>	<u>337,312</u>	<u>7,752,921</u>
19. Net Elec Ener (MWH)	<u>51,193</u>	<u>318,479</u>	<u>7,330,691</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.4</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.4</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>98.2</u>	<u>67.3</u>	<u>57.7*</u>
23. Unit Cap Factor (DER Net)	<u>95.4</u>	<u>60.4</u>	<u>53.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.5</u>	<u>16.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,154.7</u>	<u>11,055.0</u>

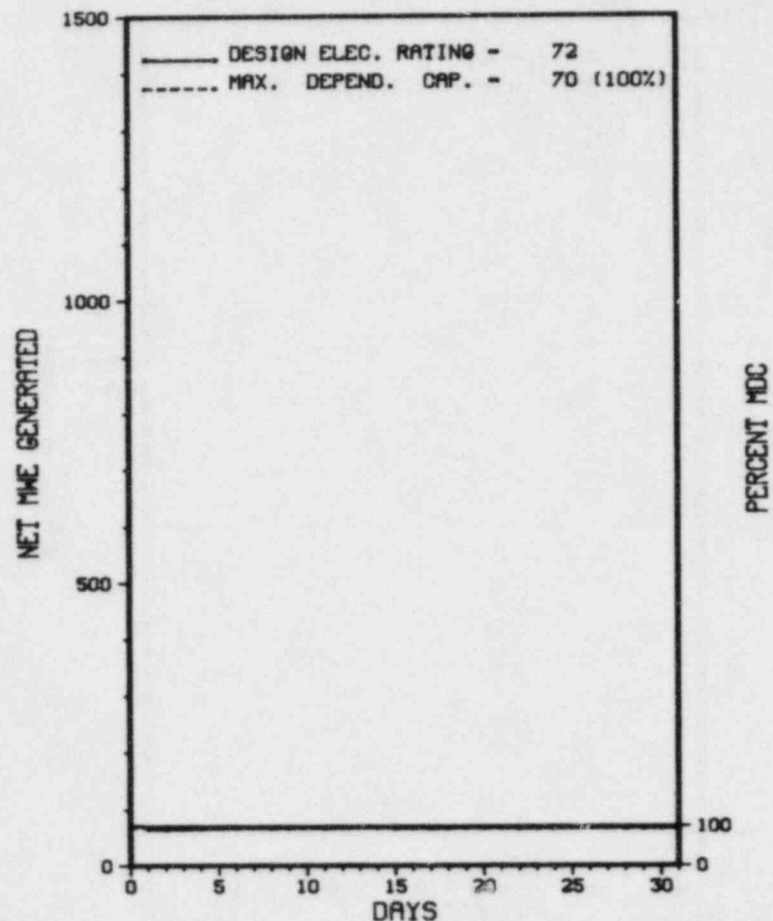
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BIG ROCK POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLCT

BIG ROCK POINT 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* BIG ROCK POINT 1 *

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

NONE

* SUMMARY *

BIG ROCK POINT OPERATED WITH NO OUTAGES OR REDUCTIONS DURING OCTOBER.

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

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....CONSUMERS POWER
CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....S. GUTHRIE
LICENSING PROJ MANAGER....R. EMCH
DOCKET NUMBER.....50-155
LICENSE & DATE ISSUANCE...DPR-6, AUGUST 30, 1962
PUBLIC DOCUMENT ROOM.....NORTH CENTRAL MICHIGAN COLLEGE
1515 HOWARD STREET
PETOSKEY, MICHIGAN 49770

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

INSPECTION SUMMARY

INSPECTION ON JUNE 16 TO AUGUST 31, 1984 (84-07): ROUTINE INSPECTIONS BY ACTING RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY AND SURVEILLANCE. THE INSPECTIONS INVOLVED A TOTAL OF 114 INSPECTOR-HOURS ONSITE BY 4 NRC INSPECTORS. OF THE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 10 THROUGH SEPTEMBER 14, (84-10): ROUTINE, UNANNOUNCED SAFETY INSPECTION OF SHUTDOWN MARGIN VERIFICATION; CONTROL ROD DRIVE PERFORMANCE TESTS; CONTROL ROD SEQUENCES AND REACTIVITY CHECKS; CORE THERMAL POWER EVALUATION; AND STARTUP TESTING OF MODIFIED SYSTEMS. THE INSPECTION INVOLVED A TOTAL OF 70 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 10 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO FOLLOW PROCEDURES-PARAGRAPH 2).

INSPECTION ON SEPTEMBER 25-28, (84-12): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM DURING NORMAL REACTOR OPERATION, INCLUDING: INTERNAL AND EXTERNAL EXPOSURE CONTROL; CONTROL OF RADIOACTIVE MATERIALS AND CONTAMINATION, SURVEYS, AND MONITORING; MAINTAINING OCCUPATIONAL EXPOSURES ALARA; TRANSPORTATION ACTIVITIES; AND OPEN ITEMS. ALSO, ABNORMALLY HIGH RESULTS ON NRC ENVIRONMENTAL TLDS FOR THE FIRST AND SECOND CALENDAR QUARTERS OF 1984 WERE REVIEWED. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATIONS SECTION 6.8.1 STATES IN PART: "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED FOR ALL STRUCTURES, SYSTEMS, COMPONENTS AND SAFETY ACTIONS DEFINED IN THE BIG ROCK POINT QUALITY LIST". HEAT BALANCE IS ONE ITEM LISTED IN SECTION 17.12, TABLE 1, OF THE BIG ROCK POINT QUALITY LIST. WRITTEN SURVEILLANCE PROCEDURE T1-09, "HEAT BALANCE CALCULATION", SECTION 8.2, REQUIRES A RECALCULATION OF HEAT BALANCE IF THE PICOAMMETERS ARE OFF BY 10% FROM THE EXPECTED READING. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ADHERE TO PROCEDURE NO. T1-09 ON JULY 28, 29, 30, AND 31, 1984. ON THESE FOUR OCCASIONS THE PICOAMMETERS WERE OFF BY MORE THAN 10% AND THE REQUIRED RECALCULATION HAD NOT BEEN PERFORMED.
(8410 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: NOVEMBER 13-16, 1984

INSPECTION REPORT NO: 84-16

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
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84-13    09/09/84    10/04/84    FAILURE OF MAIN STEAM ISOLATION VALVE (MO-7050) TO CLOSE
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1. Docket: 50-259 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, if Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>89,882.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,603.4</u>	<u>56,409.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>700.1</u>	<u>6,484.7</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,468.2</u>	<u>55,185.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,424,554</u>	<u>19,878,045</u>	<u>158,435,724</u>
18. Gross Elec Ener (MWH)	<u>794,160</u>	<u>6,575,690</u>	<u>52,221,310</u>
19. Net Elec Ener (MWH)	<u>773,750</u>	<u>6,361,898</u>	<u>50,687,225</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.4</u>	<u>61.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.4</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>81.6</u>	<u>53.0</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>81.6</u>	<u>53.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.3</u>	<u>22.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>820.0</u>	<u>16,044.7</u>

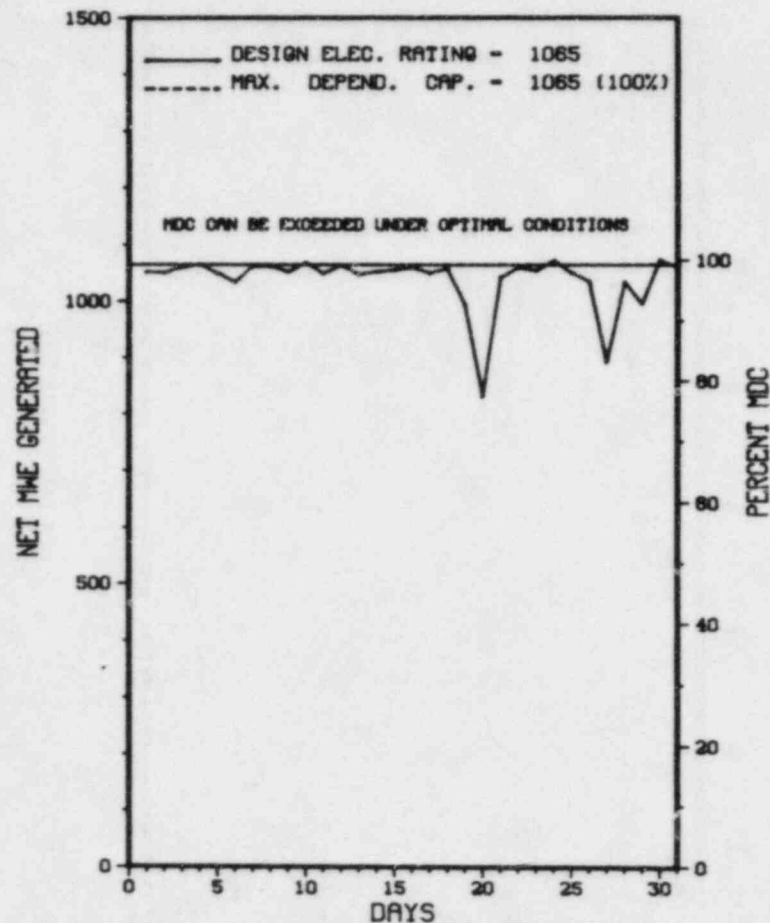
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
295	10/02/84	F	0.0	A	5			DERATED FOR CONDENSATE DEMINERALIZER PROBLEMS.
296	10/19/84	S	0.0	H	5			DERATED FOR CONTROL ROD PATTERN ADJUSTMENT.
297	10/26/84	S	0.0	H	5			DERATED FOR CRD EXERCISE.
298	10/29/84	F	0.0	B	5			DERATED FOR "A" RFWP MAINTENANCE.

 * SUMMARY *

 BROWNS FERRY 1 OPERATED WITH 4 REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 17, 1973
DATE ELEC ENER 1ST GENER...OCTOBER 15, 1973
DATE COMMERCIAL OPERATE...AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-259
LICENSE & DATE ISSUANCE...DPR-33, DECEMBER 20, 1973
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FURREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION JUNE 26 - JULY 27 (84-26): THIS ROUTINE INSPECTION INVOLVED 84 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, TRIP REPORTS, TECHNICAL SPECIFICATION TABLE 3.1.A, AND INDEPENDENT VERIFICATION. AN ENFORCEMENT CONFERENCE ON THE INOPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS WAS HELD AT THE BROWNS FERRY SITE ON AUGUST 30, 1984. THE MEETING SUMMARY IS DETAILED IN IE REPORT 50-259/260/296/84-35. VIOLATIONS - FIVE VIOLATIONS WERE IDENTIFIED: (1) TECHNICAL SPECIFICATION (T.S.) 6.3.A.1 - FAILURE TO FOLLOW PROCEDURE ON STANDARD PRACTICE 12.20; (2) T.S. 4.5.C.4 - FAILURE TO PERFORM REQUIRED SURVEILLANCE ON RESIDUAL HEAT REMOVAL SERVICE WATER CONTROL VALVES; (3) T.S. 3.7.E.1 - FAILURE TO MAINTAIN CONTROL ROOM EMERGENCY VENTILATION SYSTEM OPERABLE; (4) T.S. 3.5.C.6 - FAILURE TO INITIATE AN ORDERLY SHUTDOWN; (5) FAILURE TO FOLLOW TAG CLEARANCE PROCEDURE 10 CFR 50 APPENDIX B, CRITERION V. ONE DEVIATION IDENTIFIED - FAILURE TO ISSUE REPORT ON REQUIRED DATE.

INSPECTION SEPTEMBER 10-14 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL EXPOSURE CONTROL, TRAINING, CONTROL OF RADIOACTIVE MATERIAL AND INSPECTOR FOLLOWUP ITEMS. TWO VIOLATIONS WERE IDENTIFIED - THREE EXAMPLES OF FAILURE TO ADHERE TO RADIATION CONTROL PROCEDURES AND FAILURE TO CONSPICUOUSLY POST DOCUMENTS AND NOTICES REQUIRED BY 10 CFR 19.11.

INSPECTION AUGUST 26 - SEPTEMBER 25 (84-38): THIS ROUTINE INSPECTION INVOLVED 38 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, AND REACTOR TRIPS. VIOLATIONS - THERE WERE FOUR VIOLATIONS IDENTIFIED: (1) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION V FOR FAILURE TO FOLLOW PROCEDURE - STEAR 83-01. THIS IS A REPETITIVE VIOLATION; (2) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION XVI FOR FAILURE TO HAVE ADEQUATE

INSPECTION SUMMARY

CORRECTIVE ACTION TO PREVENT RECURRENCE OF VIOLATION 83-33-02 (STEAR 83-01); (3) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION VII FOR FAILURE TO ASSURE THAT PURCHASED MATERIAL MET CONTRACT SPECIFICATIONS AS RELATED TO NITROGEN AND HYDROGEN PURCHASING; (4) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION V FOR FAILURE TO HAVE UP-TO-DATE INSTRUMENT MAINTENANCE PROCEDURES (IMI-162 - OFF-GAS HYDROGEN ANALYZER) AND FOR INADEQUATE RHR LOGIC PROCEDURE (S.I. 4.2.B-45A).

ENFORCEMENT CONFERENCE SEPTEMBER 26 (84-39): AN ENFORCEMENT CONFERENCE WAS HELD IN REGION II AT 1:00 P.M. TO REVIEW THE VIOLATIONS RELATING TO THE OVERPRESSURIZATION OF LOOP 1 OF THE UNIT 1 CORE SPRAY SYSTEM (SEE INSPECTION REPORT 50-259/260/296/84-34 FOR DETAILS). WITH UNIT 1 AT 100% POWER, A PERSONNEL ERROR DURING THE PERFORMANCE OF SURVEILLANCE TEST 4.2.B.39-A, CORE SPRAY LOGIC TEST, ALLOWED THE OUTBOARD ISOLATION VALVE, FCV 75-25, TO OPEN. PREVIOUS MAINTENANCE TO THE SOLENOID OF THE INBOARD ISOLATION VALVE, FCV 75-26 (A TESTABLE CHECK VALVE), CAUSED THE ACTUATOR TO HOLD THE CHECK VALVE IN THE OPEN POSITION. THIS COMBINATION OF ERRORS THEN ALLOWED PRIMARY COOLANT TO BACKFLOW THROUGH THE INBOARD AND OUTBOARD ISOLATION VALVES RESULTING IN THE OVERPRESSURIZATION OF LOOP 1 OF THE CORE SPRAY SYSTEM. A ONE INCH RELIEF VALVE ON THE CORE SPRAY PIPING RELIEVED WHICH HELPED MINIMIZE THE EFFECT ON THE PIPING AND ONCE THE OPERATORS REALIZED WHAT HAD OCCURRED, THE OUTBOARD ISOLATION VALVE WAS SHUT, TERMINATING THE EVENT. THE LICENSEE'S INVESTIGATION SHOWED NO DAMAGE HAD OCCURRED TO THE CORE SPRAY SYSTEM. INSPECTION OF SIMILAR VALVES ON UNITS 1, 2, AND 3 SHOWED NO SIMILAR PROBLEMS.

ENFORCEMENT SUMMARY

FAILURE TO FOLLOW STANDARD PRACTICE PROCEDURE BF 4.8 CONCERNING LICENSED AND NON-LICENSED OPERATOR TRAINING.

(8424 4)

TECHNICAL SPECIFICATION (TS) 3.5.C.6 REQUIRES THAT IF TS 3.5.C.2 THROUGH 3.5.C.5 ARE NOT MET, AN ORDERLY SHUTDOWN SHALL BE INITIATED AND THE UNIT PLACED IN COLD SHUTDOWN CONDITION WITHIN 24 HOURS. TECHNICAL SPECIFICATION 3.5.C.2 REQUIRES A MINIMUM OF FOUR OPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER (RHRSW) PUMPS ASSIGNED TO RHRSW SERVICE DURING REACTOR POWER OPERATION OF TWO UNITS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET ON JULY 20, 1984 IN THAT AN ORDERLY SHUTDOWN WAS NOT INITIATED WHEN TS 3.5.C.2 WAS NOT MET FOR THE REQUIRED NUMBER OF OPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS. UNIT 1 REMAINED AT 100% POWER AND UNIT 2 AT 55% POWER DURING THIS PERIOD. TECHNICAL SPECIFICATION 4.5.C.4 REQUIRES THAT WHEN IT IS DETERMINED THAT ONE OF THE RHRSW PUMPS SUPPLYING STANDBY COOLING IS INOPERABLE AT A TIME WHEN OPERABILITY IS REQUIRED, THE OPERABLE RHRSW PUMP ON THE SAME HEADER AND ITS ASSOCIATED DIESEL GENERATOR AND THE RESIDUAL HEAT REMOVAL (RHR) HEAT EXCHANGER HEADER AND ASSOCIATED ESSENTIAL CONTROL VALVES SHALL BE DEMONSTRATED TO BE OPERABLE IMMEDIATELY. PLANT SURVEILLANCE INSTRUCTION 4.5.C., RHRSW SYSTEM AND EMERGENCY EQUIPMENT COOLING WATER SYSTEM VALVE OPERABILITY TEST (COMMON), STATES TO PERFORM SECTION 4.5.C.1 (VALVE 23-57 ONLY) TO DEMONSTRATE OPERABILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT WHEN THE B1, B2, AND D1 RHRSW PUMPS WERE DECLARED INOPERABLE ON JULY 20, 1984, THE ASSOCIATED ESSENTIAL CONTROL VALVES (VALVE 23-57) WERE NOT DEMONSTRATED TO BE OPERABLE IMMEDIATELY AND WERE NEVER TESTED WHILE THE PUMPS WERE INOPERABLE. UNIT 1 WAS OPERATING AT 100% POWER AND UNIT 2 AT 55% POWER. TECHNICAL SPECIFICATION 3.7.E.1 REQUIRES THAT BOTH CONTROL ROOM EMERGENCY VENTILATION (CREV) PRESSURIZATION SYSTEMS AND THE DIESEL GENERATORS REQUIRED FOR THEIR OPERATION SHALL BE OPERABLE AT ALL TIMES WHEN ANY REACTOR VESSEL CONTAINS IRRADIATED FUEL. TECHNICAL SPECIFICATION 3.7.E.3 STATES THAT FROM AND AFTER THE DATE THAT ONE OF THE CREV IS MADE OR FOUND TO BE INOPERABLE FOR ANY REASON, REACTOR OPERATION IS PERMISSIBLE ONLY DURING THE SUCCEEDING 7 DAYS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT ON JULY 25, 1984, THE 'B' CREV SYSTEM SUCTION AUTOMATIC DAMPER WAS FOUND DISCONNECTED. AT THE SAME TIME THE DIESEL GENERATOR 'A', WHICH SUPPLIES POWER TO THE REDUNDANT 'A' CREV SYSTEM, WAS OUT OF SERVICE FOR MAINTENANCE. UNITS 1 AND 2 WERE AT POWER DURING THIS TIME. THE CREV 'B' SYSTEM WAS LAST KNOWN TO BE OPERABLE DURING SURVEILLANCE TESTING ON JULY 2, 1984. TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS SHALL BE PREPARED, APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT STANDARD PRACTICE 12.20 (BF 12.20), ACTIONS REQUIRED BY TECHNICAL SPECIFICATION DEFINITION 1.C.2-LCO, WAS NOT FOLLOWED AND FORM BF 126 NOT CHECKED TO CLARIFY THE APPLICABLE LIMITING CONDITION FOR OPERATION. FOR EXAMPLE: (A) FORM BF 126 WAS NOT CHECKED WHEN RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS WERE DECLARED INOPERABLE ON JULY 20, 1984, WHILE A DIESEL GENERATOR WAS INOPERABLE. UNIT ONE WAS OPERATING AT 100% POWER AND UNIT TWO AT 55% POWER. (B) A REVIEW OF PLANT CONDITIONS AND AVAILABLE RECORDS FOR THE PAST FEW MONTHS REVEALED THAT FORM BF 126 WAS

ENFORCEMENT SUMMARY

NEVER COMPLETED AT TIMES WHEN A DIESEL GENERATOR WAS DECLARED INOPERABLE AS INDICATED BELOW: DIESEL GENERATOR - B; TIME - 6:15 P.M., DATE - 6/16/84; DIESEL GENERATOR - D; TIME - 5:50 A.M., DATE - 6/18/84; DIESEL GENERATOR - 3EA; TIME - 1:15 A.M.; DATE - 6/08/84; DIESEL GENERATOR - B; TIME - 11:40 P.M.; DATE - 5/30/84; DIESEL GENERATOR - C; TIME - 8:20 A.M.; DATE - 5/28/84. A FORM DATED NOVEMBER 2, 1983, FOR THE 'C' DIESEL WAS NOT SIGNED BY THE SHIFT ENGINEER OR THE OPERATIONS SUPERVISOR AS REQUIRED. (8426 4)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT RADIATION CONTROL PROCEDURES BE ADHERED TO. CONTRARY TO THE ABOVE, RADIATION CONTROL PROCEDURES WERE NOT ADHERED TO AS FOLLOWS: (A) ALTHOUGH LICENSEE PROCEDURE BF-RLM-400, PARAGRAPH 5.20 REQUIRES THAT WINDOWS OF CONTAMINATED LABORATORY HOODS BE LOWERED TO THE POSITION INDICATED ON THE HOOD, WINDOWS OF UNATTENDED CONTAMINATED LABORATORY HOODS WERE RAISED ABOVE THE MAXIMUM HEIGHT REQUIRED TO ENSURE 100 LINEAR FEET FACE VELOCITY INTO THE HOOD. (B) ALTHOUGH LICENSE PROCEDURE RCI 1, PARAGRAPH D.1 REQUIRES THAT ITEMS BEING REMOVED FROM CONTAMINATION ZONES OR POTENTIALLY CONTAMINATED ITEMS BE CONTAINED IN PLASTIC UNLESS OTHERWISE DIRECTED AND SURVEYED BY HEALTH PHYSICS, LIQUID RADIOACTIVE SAMPLES REMOVED FROM A POSTED CONTAMINATION ZONE, A SAMPLE HOOD, WERE NOT PROPERLY CONTAINED AND WERE NOT EVALUATED BY HEALTH PHYSICS. (C) ALTHOUGH LICENSEE RADIATION WORK PERMIT SWP-01-06668 REQUIRES THAT CLOTH GLOVE LINERS AND RUBBER OR SURGICAL GLOVES BE WORN WHEN WORKING IN CONTAMINATED LABORATORY HOODS, PERSONNEL WERE OBSERVED WORKING IN CONTAMINATED LABORATORY HOODS WEARING ONLY CLOTH GLOVE LINERS. (8437 4)

10 CFR 19.11(D) REQUIRES THAT PARTS 19 AND 20, THE LICENSE, LICENSE CONDITIONS, OPERATING PROCEDURES AND NRC FORM 3 BE CONSPICUOUSLY POSTED. CONTRARY TO THE ABOVE, REQUIRED DOCUMENTS AND FORMS OR NOTICES WHICH DESCRIBE THE DOCUMENT AND STATE WHERE IT MAY BE EXAMINED WERE NOT CONSPICUOUSLY POSTED. (8437 5)

10 CFR 50, APPENDIX B, CRITERION VII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT PURCHASED MATERIAL, EQUIPMENT, AND SERVICES, WHETHER PURCHASED DIRECTLY OR THROUGH CONTRACTORS AND SUBCONTRACTORS, CONFORM TO THE PROCUREMENT DOCUMENTS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE FOLLOWING THREE EXAMPLES OF PROCUREMENT: (A) PROCUREMENT DOCUMENT RD 926183 SPECIFIED THAT THE NITROGEN PURCHASED SHOULD HAVE AN OXYGEN CONCENTRATION OF LESS THAN TEN PARTS PER MILLION (PPM) BUT THE VENDOR'S TEST RESULTS SHOWED 13 PPM OXYGEN. THE MATERIAL RECEIPT INSPECTION REPORT DATED JANUARY 12, 1983, APPROVED THE MATERIAL AS CONFORMING TO THE PURCHASE DOCUMENTS ALTHOUGH THIS CONCENTRATION EXCEEDED THE SPECIFIED AMOUNT. (B) PROCUREMENT DOCUMENT RD 941184 DATED SEPTEMBER 8, 1984, SPECIFIED THAT THE NITROGEN PURCHASED SHOULD HAVE LESS THAN 3 PPM MOISTURE CONTENT BUT THE SUPPLIER'S TEST RESULTS FOR MOISTURE CONTENT WAS LEFT BLANK ON THE REPORT FORM. THE MATERIAL WAS ACCEPTED WITH NO DEFICIENCIES NOTED. (C) PROCUREMENT DOCUMENT RD 941015 DATED JUNE 1, 1984, SPECIFIED THAT THE HYDROGEN PURCHASED SHOULD HAVE A TEST REPORT AS TO PURITY AND MOISTURE CONTENT, BUT THE TEST REPORT RESULTS FOR PURITY AND MOISTURE CONTENT WAS LEFT BLANK ON THE TEST REPORT FORM. NO MATERIAL RECEIPT INSPECTION FORM COULD BE FOUND FOR THIS ITEM. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO, WHICH PRESCRIBE ALL ACTIVITIES AFFECTING QUALITY. THESE MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL AND ARE DISTRIBUTED TO AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR TWO EXAMPLES: (A) CHANGES TO INSTRUMENT MAINTENANCE INSTRUCTION, IMI-162, FOR CALIBRATION AND FUNCTIONAL TESTING OF THE OFF-GAS HYDROGEN ANALYZERS WERE NOT CONTROLLED AND THE WORKING COPY USED BY INSTRUMENT MECHANICS IN THE FIELD CONTAINED PAGES 1, 7, AND 8 DATED JUNE 20, 1978 BU THE PAGES SHOULD HAVE BEEN DATED JANUARY 3, 1979, DECEMBER 27, 1979 AND DECEMBER 27, 1979, RESPECTIVELY. THE INSTRUMENT SHOP LIBRARY COPY CONTAINED TWO PAGES NUMBERED EIGHT DATED JANUARY 3, 1979 AND DECEMBER 27, 1979. ALSO, POSTED ON THE UNIT 2 OFF-GAS HYDROGEN ANALYZER CABINET WAS PAGE 10 DATED JUNE 20, 1978, BUT IN THE LATEST REVISION OF THE PROCEDURE, PAGE 10 WAS DATED APRIL 11, 1984. (B) CHANGES TO SURVEILLANCE INSTRUCTION, S.I. 4.2.B-45A, DATED AUGUST 8, 1984, LOW PRESSURE COOLANT INJECTION SYSTEM LOGIC, WERE NOT ADEQUATELY REVIEWED TO INSURE THE PROPER RELAY DESIGNATION IN STEP 4.1.7. THIS RESULTED IN THE INADVERTENT START OF RESIDUAL HEAT REMOVAL PUMP 1B IN LOOP 1 DURING THE PERFORMANCE OF S.I. 4.2.B-45A FOR LOOP II ON SEPTEMBER 21, 1984. RELAY 10A-K25A WAS DESIGNATED BUT RELAY 10A-K25B SHOULD HAVE BEEN DESIGNATED. UNIT 1 WAS OPERATING AT 99% POWER. (8438 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INTERGRANULAR STRESS CORROSION CRACKING (IGSCC) PROBLEMS IN RHR, CORE SPRAY AND OTHER PIPING HAS NECESSITATED WELD OVERLAY REPAIRS.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

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

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 26, - SEPTEMBER 25, 1984 +

INSPECTION REPORT NO: 50-259/84-38 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-032	08/14/84	09/13/84	A PERSONNEL ERROR DURING THE PERFORMANCE OF SURVEILLANCE TESTING.
84-033	08/15/84	09/11/84	THE INSTALLED SQUIB CARTRIDGES WERE POSSIBLY DEFECTIVE, NEW ONES WERE INSTALLED.
84-034	08/29/84	09/25/84	STRUCTURAL INTEGRITY OF 12 FIRE DOORS HAD BEEN REDUCED.
84-035	09/21/84	10/05/84	UNPLANNED START OF RESIDUAL HEAT REMOVAL PUMP, THE PUMP WAS CAUSED BY A TYPOGRAPHICAL ERROR.

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

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>84,793.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,895.7</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>300.1</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,845.5</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>13,100,122</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,174,510</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,044,370</u>	<u>49,302,973</u>
20. Unit Service Factor	<u>.0</u>	<u>79.9</u>	<u>64.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>79.9</u>	<u>64.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>51.9</u>	<u>54.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>51.9</u>	<u>54.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.1</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>249.4</u>	<u>16,304.4</u>

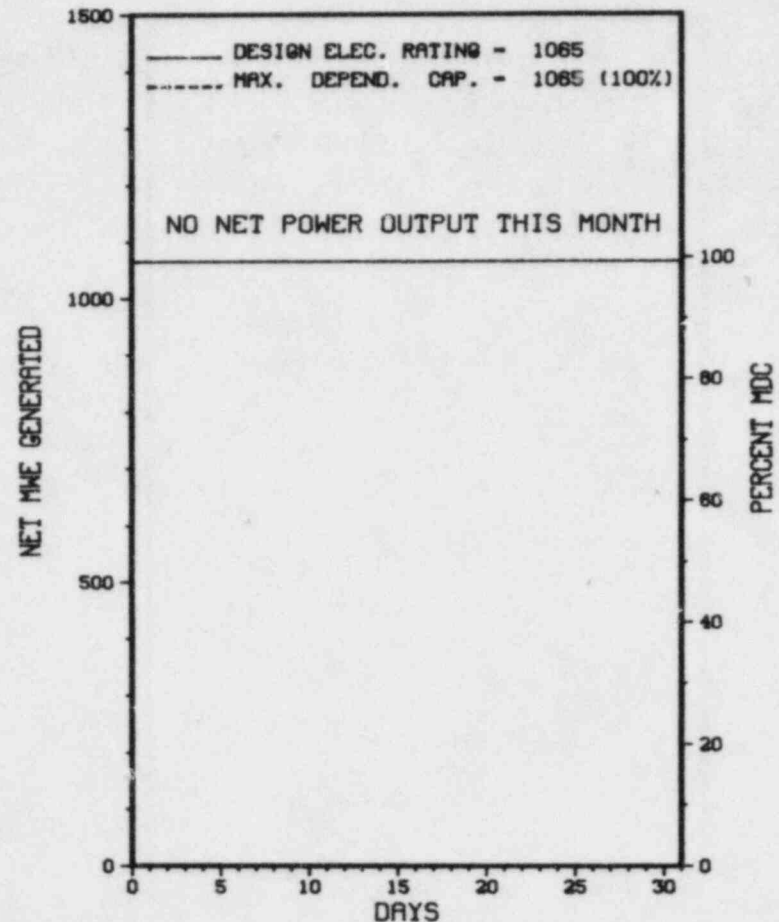
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/13/85

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
305	09/15/84	S	745.0	C	4		RC	FUELXX	EOC-5 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 2 REMAINS SHUTDOWN FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

INSPECTION SUMMARY

CORRECTIVE ACTION TO PREVENT RECURRENCE OF VIOLATION 83-33-02 (STEAR 83-01); (3) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION VII FOR FAILURE TO ASSURE THAT PURCHASED MATERIAL MET CONTRACT SPECIFICATIONS AS RELATED TO NITROGEN AND HYDROGEN PURCHASING; (4) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION V FOR FAILURE TO HAVE UP-TO-DATE INSTRUMENT MAINTENANCE PROCEDURES (IMI-162 - OFF-GAS HYDROGEN ANALYZER) AND FOR INADEQUATE RHR LOGIC PROCEDURE (S.I. 4.2.B-45A).

ENFORCEMENT CONFERENCE SEPTEMBER 26 (84-39): AN ENFORCEMENT CONFERENCE WAS HELD IN REGION II AT 1:00 P.M. TO REVIEW THE VIOLATIONS RELATING TO THE OVERPRESSURIZATION OF LOOP 1 OF THE UNIT 1 CORE SPRAY SYSTEM (SEE INSPECTION REPORT 50-259/260/296/84-34 FOR DETAILS). WITH UNIT 1 AT 100% POWER, A PERSONNEL ERROR DURING THE PERFORMANCE OF SURVEILLANCE TEST 4.2.B.39-A, CORE SPRAY LOGIC TEST, ALLOWED THE OUTBOARD ISOLATION VALVE, FCV 75-25, TO OPEN. PREVIOUS MAINTENANCE TO THE SOLENOID OF THE INBOARD ISOLATION VALVE, FCV 75-26 (A TESTABLE CHECK VALVE), CAUSED THE ACTUATOR TO HOLD THE CHECK VALVE IN THE OPEN POSITION. THIS COMBINATION OF ERRORS THEN ALLOWED PRIMARY COOLANT TO BACKFLOW THROUGH THE INBOARD AND OUTBOARD ISOLATION VALVES RESULTING IN THE OVERPRESSURIZATION OF LOOP 1 OF THE CORE SPRAY SYSTEM. A ONE INCH RELIEF VALVE ON THE CORE SPRAY PIPING RELIEVED WHICH HELPED MINIMIZE THE EFFECT ON THE PIPING AND ONCE THE OPERATORS REALIZED WHAT HAD OCCURRED, THE OUTBOARD ISOLATION VALVE WAS SHUT, TERMINATING THE EVENT. THE LICENSEE'S INVESTIGATION SHOWED NO DAMAGE HAD OCCURRED TO THE CORE SPRAY SYSTEM. INSPECTION OF SIMILAR VALVES ON UNITS 1, 2, AND 3 SHOWED NO SIMILAR PROBLEMS.

ENFORCEMENT SUMMARY

FAILURE TO FOLLOW STANDARD PRACTICE PROCEDURE BF 4.8 CONCERNING LICENSED AND NON-LICENSED OPERATOR TRAINING.

(8424 4)

TECHNICAL SPECIFICATION (TS) 3.5.C.6 REQUIRES THAT IF TS 3.5.C.2 THROUGH 3.5.C.5 ARE NOT MET, AN ORDERLY SHUTDOWN SHALL BE INITIATED AND THE UNIT PLACED IN COLD SHUTDOWN CONDITION WITHIN 24 HOURS. TECHNICAL SPECIFICATION 3.5.C.2 REQUIRES A MINIMUM OF FOUR OPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER (RHRSW) PUMPS ASSIGNED TO RHRSW SERVICE DURING REACTOR POWER OPERATION OF TWO UNITS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET ON JULY 20, 1984 IN THAT AN ORDERLY SHUTDOWN WAS NOT INITIATED WHEN TS 3.5.C.2 WAS NOT MET FOR THE REQUIRED NUMBER OF OPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS. UNIT 1 REMAINED AT 100% POWER AND UNIT 2 AT 55% POWER DURING THIS PERIOD. TECHNICAL SPECIFICATION 4.5.C.4 REQUIRES THAT WHEN IT IS DETERMINED THAT ONE OF THE RHRSW PUMPS SUPPLYING STANDBY COOLING IS INOPERABLE AT A TIME WHEN OPERABILITY IS REQUIRED, THE OPERABLE RHRSW PUMP ON THE SAME HEADER AND ITS ASSOCIATED DIESEL GENERATOR AND THE RESIDUAL HEAT REMOVAL (RHR) HEAT EXCHANGER HEADER AND ASSOCIATED ESSENTIAL CONTROL VALVES SHALL BE DEMONSTRATED TO BE OPERABLE IMMEDIATELY. PLANT SURVEILLANCE INSTRUCTION 4.5.C., RHRSW SYSTEM AND EMERGENCY EQUIPMENT COOLING WATER SYSTEM VALVE OPERABILITY TEST (COMMON), STATES TO PERFORM SECTION 4.5.C.1 (VALVE 23-57 ONLY) TO DEMONSTRATE OPERABILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT WHEN THE B1, B2, AND D1 RHRSW PUMPS WERE DECLARED INOPERABLE ON JULY 20, 1984, THE ASSOCIATED ESSENTIAL CONTROL VALVES (VALVE 23-57) WERE NOT DEMONSTRATED TO BE OPERABLE IMMEDIATELY AND WERE NEVER TESTED WHILE THE PUMPS WERE INOPERABLE. UNIT 1 WAS OPERATING AT 100% POWER AND UNIT 2 AT 55% POWER. TECHNICAL SPECIFICATION 3.7.E.1 REQUIRES THAT BOTH CONTROL ROOM EMERGENCY VENTILATION (CREV) PRESSURIZATION SYSTEMS AND THE DIESEL GENERATORS REQUIRED FOR THEIR OPERATION SHALL BE OPERABLE AT ALL TIMES WHEN ANY REACTOR VESSEL CONTAINS IRRADIATED FUEL. TECHNICAL SPECIFICATION 3.7.E.3 STATES THAT FROM AND AFTER THE DATE THAT ONE OF THE CREV IS MADE OR FOUND TO BE INOPERABLE FOR ANY REASON, REACTOR OPERATION IS PERMISSIBLE ONLY DURING THE SUCCEEDING 7 DAYS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT ON JULY 25, 1984, THE 'B' CREV SYSTEM SUCTION AUTOMATIC DAMPER WAS FOUND DISCONNECTED. AT THE SAME TIME THE DIESEL GENERATOR 'A', WHICH SUPPLIES POWER TO THE REDUNDANT 'A' CREV SYSTEM, WAS OUT OF SERVICE FOR MAINTENANCE. UNITS 1 AND 2 WERE AT POWER DURING THIS TIME. THE CREV 'B' SYSTEM WAS LAST KNOWN TO BE OPERABLE DURING SURVEILLANCE TESTING ON JULY 2, 1984. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH PRESCRIBED PROCEDURES. BROWNS FERRY STANDARD PRACTICE 14.25 IMPLEMENTS THE PLANT TAG CLEARANCE PROCEDURES TO BE ADHERED TO DURING PLANT OPERATIONS. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT ON JULY 9, 1984, IT WAS FOUND THAT CLEARANCE 84-412 WAS INCORRECTLY PLACED SUCH THAT THE HOLD ORDER TAG FOR VALVE HCV 2-2-1260 (DEMINEALIZED WATER TO TORUS LEVEL INSTRUMENTATION) WAS HUNG ON THE INCORRECT VALVE AND NOT PLACED ON HCV 2-2-1260 AS REQUIRED BY THE CLEARANCE ORDER. ADDITIONALLY, THE CLEARANCE ORDER FOR VALVE 2-2-1260 HAD BEEN SECOND PARTY VERIFIED INCORRECTLY SUCH THAT THE SECOND PARTY VERIFICATION WAS NOT EFFECTIVE IN NOTING THE ERROR. TECHNICAL SPECIFICATION 6.3.A.1 REQUIRES THAT DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS SHALL BE

ENFORCEMENT SUMMARY

PREPARED, APPROVED, AND ADHERED TO FOR NORMAL STARTUP, OPERATION AND SHUTDOWN OF THE REACTOR AND OF ALL SYSTEMS AND COMPONENTS INVOLVING NUCLEAR SAFETY OF THE FACILITY. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT STANDARD PRACTICE 12.20 (BF 12.20), ACTIONS REQUIRED BY TECHNICAL SPECIFICATION DEFINITION 1.C.2-LCO, WAS NOT FOLLOWED AND FORM BF 126 NOT CHECKED TO CLARIFY THE APPLICABLE LIMITING CONDITION FOR OPERATION. FOR EXAMPLE: (A) FORM BF 126 WAS NOT CHECKED WHEN RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS WERE DECLARED INOPERABLE ON JULY 20, 1984, WHILE A DIESEL GENERATOR WAS INOPERABLE. UNIT ONE WAS OPERATING AT 100% POWER AND UNIT TWO AT 55% POWER. (B) A REVIEW OF PLANT CONDITIONS AND AVAILABLE RECORDS FOR THE PAST FEW MONTHS REVEALED THAT FORM BF 126 WAS NEVER COMPLETED AT TIMES WHEN A DIESEL GENERATOR WAS DECLARED INOPERABLE AS INDICATED BELOW: DIESEL GENERATOR - B; TIME - 6:15 P.M., DATE - 6/16/84; DIESEL GENERATOR - D; TIME - 5:50 A.M., DATE - 6/18/84; DIESEL GENERATOR - 3EA; TIME - 1:15 A.M.; DATE - 6/08/84; DIESEL GENERATOR - B; TIME - 11:40 P.M.; DATE - 5/30/84; DIESEL GENERATOR - C; TIME - 8:20 A.M.; DATE - 5/28/84. A FORM DATED NOVEMBER 2, 1983, FOR THE 'C' DIESEL WAS NOT SIGNED BY THE SHIFT ENGINEER OR THE OPERATIONS SUPERVISOR AS REQUIRED.
(8426 4)

TECHNICAL SPECIFICATION 6.3.A.7 REQUIRES THAT RADIATION CONTROL PROCEDURES BE ADHERED TO. CONTRARY TO THE ABOVE, RADIATION CONTROL PROCEDURES WERE NOT ADHERED TO AS FOLLOWS: (A) ALTHOUGH LICENSEE PROCEDURE BF-RLM-400, PARAGRAPH 5.20 REQUIRES THAT WINDOWS OF CONTAMINATED LABORATORY HOODS BE LOWERED TO THE POSITION INDICATED ON THE HOOD, WINDOWS OF UNATTENDED CONTAMINATED LABORATORY HOODS WERE RAISED ABOVE THE MAXIMUM HEIGHT REQUIRED TO ENSURE 100 LINEAR FEET FACE VELOCITY INTO THE HOOD. (B) ALTHOUGH LICENSE PROCEDURE RCI 1, PARAGRAPH D.1 REQUIRES THAT ITEMS BEING REMOVED FROM CONTAMINATION ZONES OR POTENTIALLY CONTAMINATED ITEMS BE CONTAINED IN PLASTIC UNLESS OTHERWISE DIRECTED AND SURVEYED BY HEALTH PHYSICS, LIQUID RADIOACTIVE SAMPLES REMOVED FROM A POSTED CONTAMINATION ZONE, A SAMPLE HOOD, WERE NOT PROPERLY CONTAINED AND WERE NOT EVALUATED BY HEALTH PHYSICS. (C) ALTHOUGH LICENSEE RADIATION WORK PERMIT SWP-01-06668 REQUIRES THAT CLOTH GLOVE LINERS AND RUBBER OR SURGICAL GLOVES BE WORN WHEN WORKING IN CONTAMINATED LABORATORY HOODS, PERSONNEL WERE OBSERVED WORKING IN CONTAMINATED LABORATORY HOODS WEARING ONLY CLOTH GLOVE LINERS.
(8437 4)

10 CFR 19.11(D) REQUIRES THAT PARTS 19 AND 20, THE LICENSE, LICENSE CONDITIONS, OPERATING PROCEDURES AND NRC FORM 3 BE CONSPICUOUSLY POSTED. CONTRARY TO THE ABOVE, REQUIRED DOCUMENTS AND FORMS OR NOTICES WHICH DESCRIBE THE DOCUMENT AND STATE WHERE IT MAY BE EXAMINED WERE NOT CONSPICUOUSLY POSTED.
(8437 5)

10 CFR 50, APPENDIX B, CRITERION V REQUIRES ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED PROCEDURES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. RECIRCULATION SYSTEM SPECIAL TEST INSTRUCTION (STEAR) 83-01 DELINEATES CERTAIN REQUIREMENTS WITH RESPECT TO UNIT 2 RECIRCULATION SYSTEM VIBRATION AND LEAK DETECTION. CONTRARY TO THE ABOVE, THE REQUIREMENTS OF STEAR 83-01 WERE NOT MET IN THAT SEVERAL PROCEDURAL REQUIREMENTS OF STEAR 83-01 WERE NOT MET IN THAT SEVERAL PROCEDURAL REQUIREMENTS WERE NOT SATISFIED. EXAMPLES OF FAILURE TO ADHERE TO STEAR 83-01 INCLUDE: (A) STEAR 83-01 REQUIRES RECIRCULATION SYSTEM VIBRATION READINGS BE TAKEN TWICE A DAY (ONCE EVERY 12 HOUR SHIFT) BY THE SHIFT TECHNICAL ADVISOR (STA). CONTRARY TO THIS, OVER THE REVIEWED PERIOD FROM JULY 4 TO SEPTEMBER 15, 1984, VIBRATION READINGS FOR 17 DAYS WERE LOGGED AS BEING TAKEN ONLY ONCE A DAY AND ON 3 DAYS NO READINGS WERE TAKEN AT ALL (FIGURE 25 OF STEAR 83-01). (B) STEAR 83-01 REQUIRES RECIRCULATION SYSTEM LEAK DETECTION READINGS BE TAKEN TWICE A DAY BY THE STA. CONTRARY TO THIS, OVER THE REVIEWED PERIOD FROM JULY 4 TO SEPTEMBER 15, 1984, 17 LEAK DETECTION READINGS WERE NOT LOGGED ON THE REQUIRED DATA LOG (FIGURE 25 OF STEAR 83-01) AS BEING TAKEN. IN ADDITION, ON 3 DAYS, NO LEAK DETECTION READINGS WERE RECORDED AS BEING TAKEN.

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY SUCH AS DEFICIENCIES AND DEVIATIONS ARE PROMPTLY IDENTIFIED. THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET IN THAT THE CORRECTIVE STEPS TAKEN IN RESPONSE TO THE PREVIOUS VIOLATION OF STEAR 83-01, (260/83-33-02) WERE NOT ADEQUATE TO PRECLUDE REPETITION. A SPECIAL STAMP DEVELOPED FOR THE STA'S LOG WAS TO BE USED TO PREVENT THE REQUIRED STEAR 83-01 LOG READING FROM BEING MISSED FOR THE UNIT 2 RECIRCULATION PIPE LEAK DETECTION EQUIPMENT. A REVIEW OF THE STA LOG SINCE JANUARY, 1984 REVEALED THE SPECIAL STAMP HAD NOT BEEN USED AND RESULTED IN SEVERAL LOG READINGS NOT BEING TAKEN AS REQUIRED BY STEAR 83-01. 10 CFR 50, APPENDIX B, CRITERION VII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT PURCHASED MATERIAL, EQUIPMENT, AND SERVICES, WHETHER PURCHASED

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006	06/16/84	07/10/84	REACTOR SCRAMMED WHEN MAIN TURBINE TRIPPED ON A FALSE MAIN TURBINE OIL TANK LOW LEVEL SIGNAL.

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OPERATING STATUS

1. Docket: 50-296
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: TED THOM (205) 729-3624
4. Licensed Thermal Power (Mwt): 3293
5. Nameplate Rating (Gross MWe): 1280 X 0.9 = 1152
6. Design Electrical Rating (Net MWe): 1065
7. Maximum Dependable Capacity (Gross MWe): 1098
8. Maximum Dependable Capacity (Net MWe): 1065
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

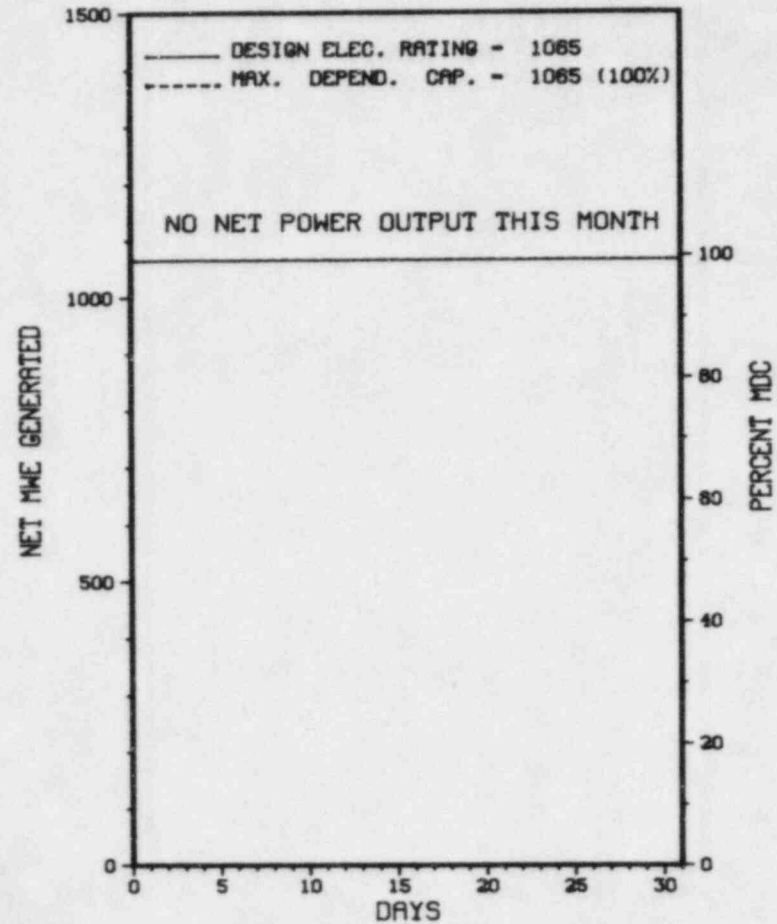
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>67,248.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>43,088.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,878.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>42,194.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>126,285,520</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>41,597,620</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>40,376,156</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>62.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>62.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>56.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>56.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>10.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>5,091.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 11/16/84

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
140	09/07/83	S	745.0	C	4		RC	FUELXX	EOC-5 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 3 REMAINS SHUTDOWN FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

 * BROWNS FERRY 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
 STATE.....ALABAMA
 COUNTY.....LIMESTONE
 DIST AND DIRECTION FROM
 NEAREST POPULATION CTR...10 MI NW OF
 DECATUR, ALA
 TYPE OF REACTOR.....BWR
 DATE INITIAL CRITICALITY...AUGUST 8, 1976
 DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1976
 DATE COMMERCIAL OPERATE...MARCH 1, 1977
 CONDENSER COOLING METHOD...ONCE THRU
 CONDENSER COOLING WATER...TENNESSEE RIVER
 ELECTRIC RELIABILITY
 COUNCIL.....SOUTHEASTERN ELECTRIC
 RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
 LICENSEE.....TENNESSEE VALLEY AUTHORITY
 CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER II
 CHATTANOOGA, TENNESSEE 37401
 CONTRACTOR
 ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
 NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
 CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
 TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
 IE RESIDENT INSPECTOR.....J. PAULK
 LICENSING PROJ MANAGER.....R. CLARK
 DOCKET NUMBER.....50-296
 LICENSE & DATE ISSUANCE....DPR-68, AUGUST 18, 1976
 PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
 SOUTH AND FORREST
 ATHENS, ALABAMA 35611

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JUNE 26 - JULY 27 (84-26): THIS ROUTINE INSPECTION INVOLVED 84 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, TRIP REPORTS, TECHNICAL SPECIFICATION TABLE 3.1.A, AND INDEPENDENT VERIFICATION. AN ENFORCEMENT CONFERENCE ON THE INOPERABLE RESIDUAL HEAT REMOVAL SERVICE WATER PUMPS WAS HELD AT THE BROWNS FERRY SITE ON AUGUST 30, 1984. THE MEETING SUMMARY IS DETAILED IN IE REPORT 50-259/260/296/84-35. VIOLATIONS - FIVE VIOLATIONS WERE IDENTIFIED: (1) TECHNICAL SPECIFICATION (T.S.) 6.3.A.1 - FAILURE TO FOLLOW PROCEDURE ON STANDARD PRACTICE 12.20; (2) T.S. 4.5.C.4 - FAILURE TO PERFORM REQUIRED SURVEILLANCE ON RESIDUAL HEAT REMOVAL SERVICE WATER CONTROL VALVES; (3) T.S. 3.7.E.1 - FAILURE TO MAINTAIN CONTROL ROOM EMERGENCY VENTILATION SYSTEM OPERABLE; (4) T.S. 3.5.C.6 - FAILURE TO INITIATE AN ORDERLY SHUTDOWN; (5) FAILURE TO FOLLOW TAG CLEARANCE PROCEDURE 10 CFR 50 APPENDIX B, CRITERION V. ONE DEVIATION IDENTIFIED - FAILURE TO ISSUE REPORT ON REQUIRED DATE.

INSPECTION SEPTEMBER 10-14 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS, ORGANIZATION AND MANAGEMENT CONTROLS, EXTERNAL EXPOSURE CONTROL, TRAINING, CONTROL OF RADIOACTIVE MATERIAL AND INSPECTOR FOLLOWUP ITEMS. TWO VIOLATIONS WERE IDENTIFIED - THREE EXAMPLES OF FAILURE TO ADHERE TO RADIATION CONTROL PROCEDURES AND FAILURE TO CONSPICUOUSLY POST DOCUMENTS AND NOTICES REQUIRED BY 10 CFR 19.11.

INSPECTION AUGUST 26 - SEPTEMBER 25 (84-38): THIS ROUTINE INSPECTION INVOLVED 39 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, REPORTABLE OCCURRENCES, AND REACTOR TRIPS. VIOLATIONS - THERE WERE FOUR VIOLATIONS IDENTIFIED: (1) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION V FOR FAILURE TO FOLLOW PROCEDURE - STEAR 83-01. THIS IS A REPETITIVE VIOLATION; (2) VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION XVI FOR FAILURE TO HAVE ADEQUATE

ENFORCEMENT SUMMARY

CONSPICUOUSLY POSTED. CONTRARY TO THE ABOVE, REQUIRED DOCUMENTS AND FORMS OR NOTICES WHICH DESCRIBE THE DOCUMENT AND STATE WHERE IT MAY BE EXAMINED WERE NOT CONSPICUOUSLY POSTED.
(8437 5)

10 CFR 50, APPENDIX B, CRITERION VII REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO ASSURE THAT PURCHASED MATERIAL, EQUIPMENT, AND SERVICES, WHETHER PURCHASED DIRECTLY OR THROUGH CONTRACTORS AND SUBCONTRACTORS, CONFORM TO THE PROCUREMENT DOCUMENTS. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR THE FOLLOWING THREE EXAMPLES OF PROCUREMENT: (A) PROCUREMENT DOCUMENT RD 926183 SPECIFIED THAT THE NITROGEN PURCHASED SHOULD HAVE AN OXYGEN CONCENTRATION OF LESS THAN TEN PARTS PER MILLION (PPM) BUT THE VENDOR'S TEST RESULTS SHOWED 13 PPM OXYGEN. THE MATERIAL RECEIPT INSPECTION REPORT DATED JANUARY 12, 1983, APPROVED THE MATERIAL AS CONFORMING TO THE PURCHASE DOCUMENTS ALTHOUGH THIS CONCENTRATION EXCEEDED THE SPECIFIED AMOUNT. (B) PROCUREMENT DOCUMENT RD 941184 DATED SEPTEMBER 8, 1984, SPECIFIED THAT THE NITROGEN PURCHASED SHOULD HAVE LESS THAN 3 PPM MOISTURE CONTENT BUT THE SUPPLIER'S TEST RESULTS FOR MOISTURE CONTENT WAS LEFT BLANK ON THE REPORT FORM. THE MATERIAL WAS ACCEPTED WITH NO DEFICIENCIES NOTED. (C) PROCUREMENT DOCUMENT RD 941015 DATED JUNE 1, 1984, SPECIFIED THAT THE HYDROGEN PURCHASED SHOULD HAVE A TEST REPORT AS TO PURITY AND MOISTURE CONTENT, BUT THE TEST REPORT RESULTS FOR PURITY AND MOISTURE CONTENT WAS LEFT BLANK ON THE TEST REPORT FORM. NO MATERIAL RECEIPT INSPECTION FORM COULD BE FOUND FOR THIS ITEM. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO, WHICH PRESCRIBE ALL ACTIVITIES AFFECTING QUALITY. THESE MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL AND ARE DISTRIBUTED TO AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED. CONTRARY TO THE ABOVE, THIS REQUIREMENT WAS NOT MET FOR TWO EXAMPLES: (A) CHANGES TO INSTRUMENT MAINTENANCE INSTRUCTION, IMI-162, FOR CALIBRATION AND FUNCTIONAL TESTING OF THE OFF-GAS HYDROGEN ANALYZERS WERE NOT CONTROLLED AND THE WORKING COPY USED BY INSTRUMENT MECHANICS IN THE FIELD CONTAINED PAGES 1, 7, AND 8 DATED JUNE 20, 1978 BU THE PAGES SHOULD HAVE BEEN DATED JANUAREY 3, 1979, DECEMBER 27, 1979 AND DECEMBER 27, 1979, RESPECTIVELY. THE INSTRUMENT SHOP LIBRARY COPY CONTAINED TWO PAGES NUMBERED EIGHT DATED JANUARY 3, 1979 AND DECEMBER 27, 1979. ALSO, POSTED ON THE UNIT 2 OFF-GAS HYDROGEN ANALYZER CABINET WAS PAGE 10 DATED JUNE 20, 1978, BUT IN THE LATEST REVISION OF THE PROCEDURE, PAGE 10 WAS DATED APRIL 11, 1984. (B) CHANGES TO SURVEILLANCE INSTRUCTION, S.I. 4.2.B-45A, DATED AUGUST 8, 1984, LOW PRESSURE COOLANT INJECTION SYSTEM LOGIC, WERE NOT ADEQUATELY REVEIUED TO INSURE THE PROPER RELAY DESIGNATION IN STEP 4.1.7. THIS RESULTED IN THE INADVERTENT START OF RESIDUAL HEAT REMOVAL PUMP 1B IN LOOP 1 DURING THE PERFORMANCE OF S.I. 4.2.B-45A FOR LOOP II ON SEPTEMBER 21, 1984. RELAY 10A-K25A WAS DESIGNATED BUT RELAY 10A-K25B SHOULD HAVE BEEN DESIGN
(8438 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

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

PLANT STATUS:

1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

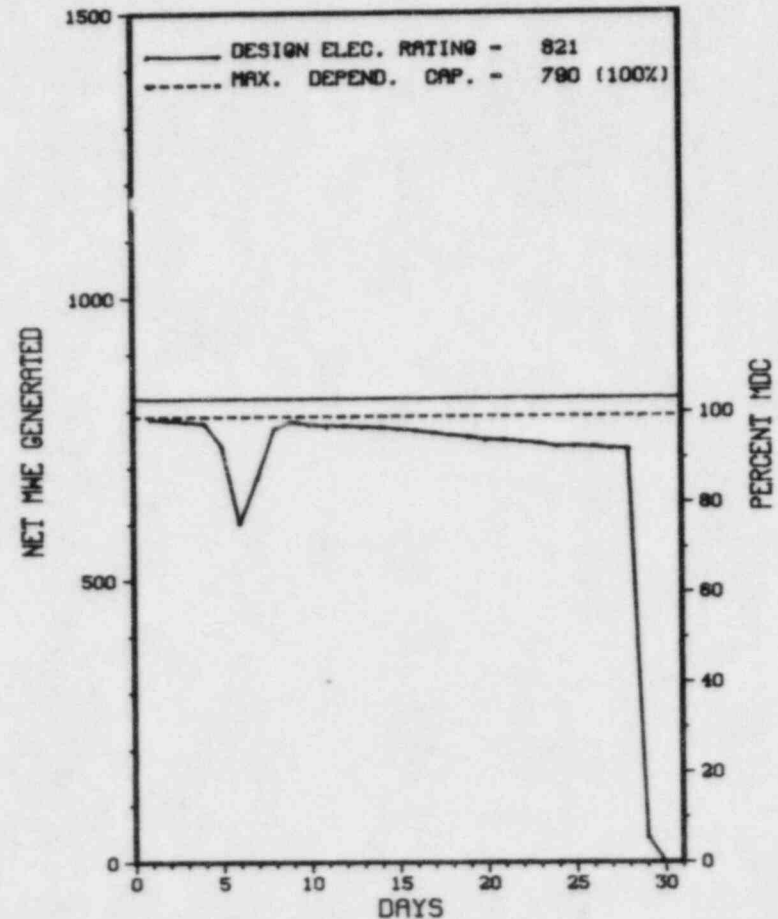
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>66,841.0</u>
13. Hours Reactor Critical	<u>691.1</u>	<u>6,509.3</u>	<u>42,907.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>678.9</u>	<u>6,330.9</u>	<u>40,419.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,570,009</u>	<u>14,597,221</u>	<u>83,024,507</u>
18. Gross Elec Ener (MWH)	<u>522,770</u>	<u>4,875,401</u>	<u>27,422,449</u>
19. Net Elec Ener (MWH)	<u>506,212</u>	<u>4,730,543</u>	<u>26,344,374</u>
20. Unit Service Factor	<u>91.1</u>	<u>86.5</u>	<u>60.5</u>
21. Unit Avail Factor	<u>91.1</u>	<u>86.5</u>	<u>60.5</u>
22. Unit Cap Factor (MDC Net)	<u>86.0</u>	<u>81.8</u>	<u>49.9</u>
23. Unit Cap Factor (DER Net)	<u>82.8</u>	<u>78.7</u>	<u>48.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.6</u>	<u>19.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>747.8</u>	<u>9,667.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>12/13/84</u>			

 * BRUNSWICK 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
80-078	10/05/84	S	0.0	B	5				CONTROL ROD PATTERN IMPROVEMENT.
84-083	10/29/84	S	66.1	B	2				LOCAL LEAK RATE TESTING AND SNUBBER OUTAGE.

* SUMMARY *

BRUNSWICK 1 SHUTDOWN ON THE 29TH OF OCTOBER FOR MAINTENANCE AND TESTING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* BRUNSWICK 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....BRUNSWICK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 8, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1976
DATE COMMERCIAL OPERATE...MARCH 18, 1977
CONDENSER COOLING METHOD...ONCE THP'
CONDENSER COOLING WATER...CAPE FEAR RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....P. O. BOX 1551
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. MYERS
LICENSING PROJ MANAGER.....M. GROTENHUIS
DOCKET NUMBER.....50-325
LICENSE & DATE ISSUANCE...DPR-71, NOVEMBER 12, 1976
PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
108 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 15 - SEPTEMBER 15 (84-27): THIS ROUTINE SAFETY INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, CLOSEOUT OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF SIGNIFICANT EVENTS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN ONE AREA (INADEQUATE 10 CFR 50.59 REVIEW DESCRIBED IN PARAGRAPH 3).

ENFORCEMENT SUMMARY

10 CFR 50.59(B) REQUIRES A SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE (TO THE FACILITY) DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. 50.59(A)(2) STATES A CHANGE INVOLVES AN UNREVIEWED SAFETY QUESTION IF THE PROBABILITY OF ... MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY ... MAY BE INCREASED. CONTRARY TO THE ABOVE, AN INADEQUATE SAFETY EVALUATION WAS PERFORMED PRIOR TO REMOVING THE AUTOMATIC MINIMUM FLOW CAPABILITY FROM THE CORE SPRAY SYSTEMS ON UNIT 1 DURING THE PERIOD JUNE 1-9, 1984. THE REMOVAL INCREASED THE PROBABILITY OF MALFUNCTION OF EQUIPMENT IMPORTANT TO SAFETY FOR CERTAIN CONDITIONS UNDER WHICH THE PUMPS COULD HAVE BEEN CALLED UPON TO PERFORM A SAFETY FUNCTION.
(8427 5)

OTHER ITEMS

Report Period OCT 1984

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

* BRUNSWICK 1 *

84-025 09/10/84 10/10/84 LIGHTNING STRIKES DURING INCLEMENT WEATHER - FOLLOWING PASSAGE OF HURRICANE DIANA, SUBSEQUENT REACTOR CRITICALITY ON UNIT 1 WAS ESTABLISHED.

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1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWT): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>78,865.0</u>
13. Hours Reactor Critical	<u>284.2</u>	<u>1,888.5</u>	<u>46,615.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>26.6</u>	<u>1,593.5</u>	<u>43,379.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>12,388</u>	<u>3,367,508</u>	<u>81,944,222</u>
18. Gross Elec Ener (MWH)	<u>3,533</u>	<u>1,113,963</u>	<u>27,223,661</u>
19. Net Elec Ener (MWH)	<u>-6,490</u>	<u>1,034,843</u>	<u>26,062,461</u>
20. Unit Servica Factor	<u>3.6</u>	<u>21.8</u>	<u>55.0</u>
21. Unit Avail Factor	<u>3.6</u>	<u>21.8</u>	<u>55.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>17.9</u>	<u>41.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>17.2</u>	<u>40.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>17.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>35.5</u>	<u>9,638.9</u>

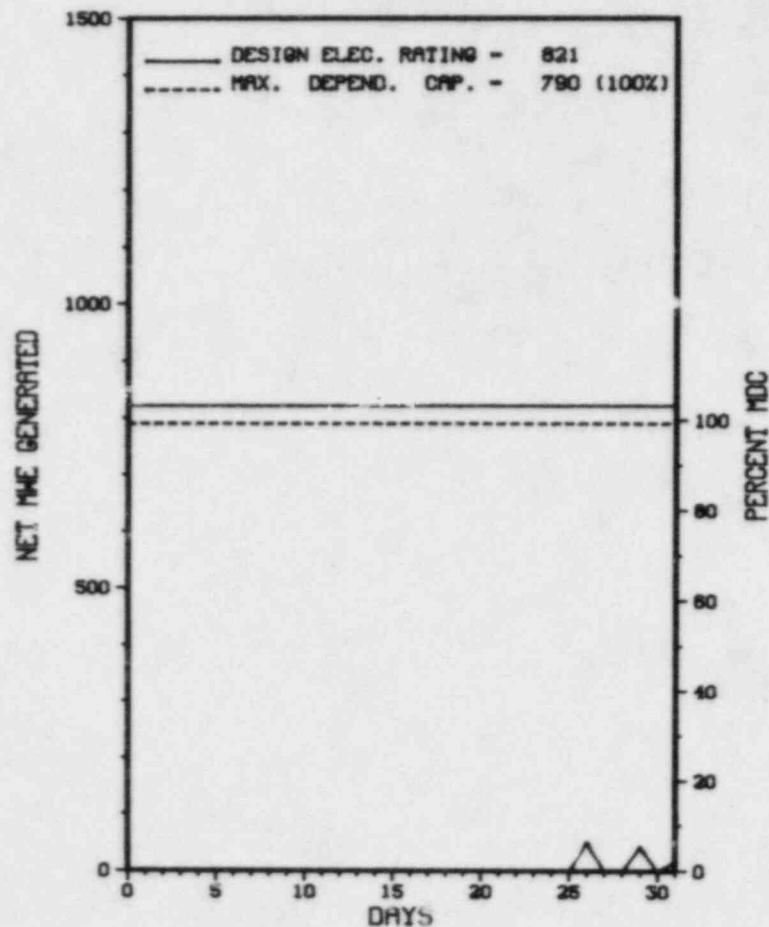
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BRUNSWICK 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-020	03/12/84	S	591.3	C	4		RC	FUELXX	REFUELING AND MAINTENANCE CONCLUDES.
84-022	10/26/84	S	53.4	B	1				REACTOR SHUTDOWN TO HOT STANDBY FOR REPAIRS ON NO. 9 BEARING.
84-024	10/29/84	S	52.0	B	1				TRIPPED MAIN TURBINE/GENERATOR IN PREPARATION FOR CHECKING ON HI VIBRATION READINGS ON NO. 9 BEARING.
84-026	10/31/84	S	21.7	B	1				SEPARATED GENERATOR FROM GRID FOR NO. 9 BEARING PROBLEMS.

 * SUMMARY *

 BRUNSWICK 2 OPERATED WITH 4 OUTAGES DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* BRUNSWICK 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....BRUNSWICK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3 MI N OF
SOUTHPORT, NC
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 20, 1975
DATE ELEC ENER 1ST GENER...APRIL 29, 1975
DATE COMMERCIAL OPERATE...NOVEMBER 3, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE FEAR RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27602
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. MYERS
LICENSING PROJ MANAGER....M. GROTENHUIS
DOCKET NUMBER.....50-324
LICENSE & DATE ISSUANCE...DPR-62, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....SOUTHPORT-BRUNSWICK COUNTY LIBRARY
108 W. MOORE STREET
SOUTHPORT, NORTH CAROLINA 28461

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 15 - SEPTEMBER 15 (84-27): THIS ROUTINE SAFETY INSPECTION INVOLVED 94 INSPECTOR-HOURS ON SITE IN THE AREAS OF SURVEILLANCE, MAINTENANCE, OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM WALKDOWN, IN-OFFICE LICENSEE EVENT REPORTS REVIEW, INDEPENDENT INSPECTION, PLANT TRANSIENTS, CLOSEOUT OF PREVIOUS INSPECTION FINDINGS, FOLLOWUP OF SIGNIFICANT EVENTS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN ONE AREA (INADEQUATE 10 CFR 50.59 REVIEW DESCRIBED IN PARAGRAPH 3).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: AUGUST 15, - SEPTEMBER 15, 1984 +

INSPECTION REPORT NO: 50-324/84-27 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009	08/10/84	09/07/84	A SPURIOUS INSTRUMENT UPSCALE SPIKE OCCURRED.

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

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: D. F. SCHNELL (314) 241-1834

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1188

6. Design Electrical Rating (Net MWe): 1128

7. Maximum Dependable Capacity (Gross MWe): 1180

8. Maximum Dependable Capacity (Net MWe): 1120

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>179.0</u>	<u>179.0</u>	<u>179.0</u>
13. Hours Reactor Critical	<u>159.0</u>	<u>159.0</u>	<u>159.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>82.0</u>	<u>82.0</u>	<u>82.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>73,090</u>	<u>73,090</u>	<u>73,090</u>
18. Gross Elec Ener (MWH)	<u>18,105</u>	<u>18,105</u>	<u>18,105</u>
19. Net Elec Ener (MWH)	<u>14,133</u>	<u>14,133</u>	<u>14,133</u>
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	<u>50.0</u>	<u>50.0</u>	<u>50.0</u>

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

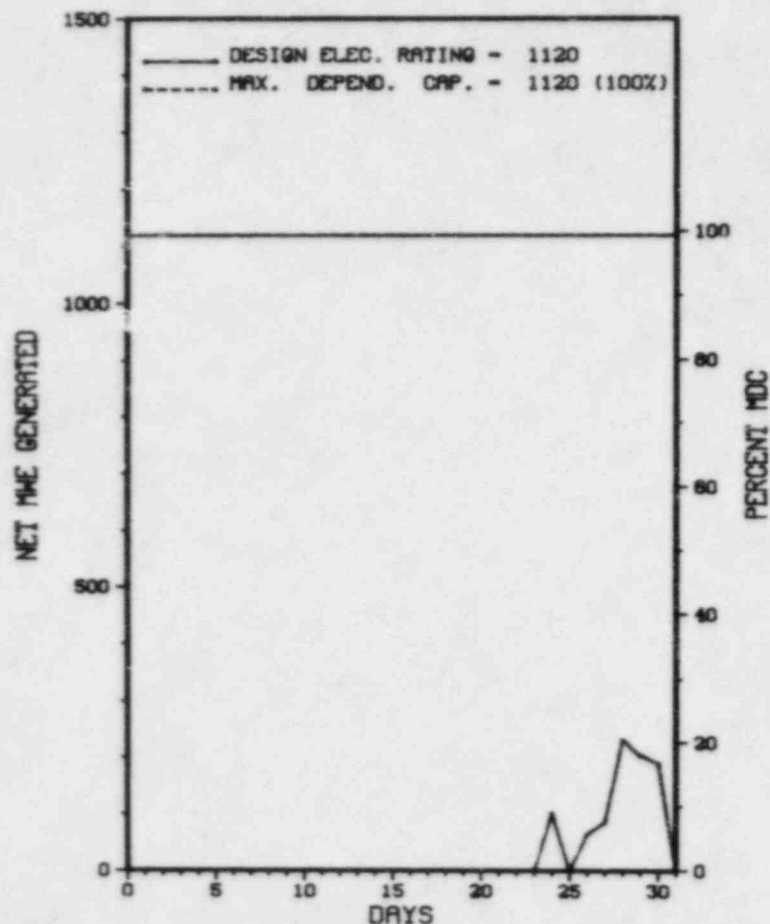
NONE

27. If Currently Shutdown Estimated Startup Date: 11/15/84

 * CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	10/24/84	S	47.0	B	2				MANUAL REACTOR TRIP FROM 16% POWER WHILE PERFORMING ETT-ZZ-07140, 'SHUTDOWN AND MAINTENANCE OF HOT STANDBY EXTERNAL TO THE CONTROL ROOM.'
2	10/27/84	F	14.0	A	3				REACTOR TRIP FROM 19% POWER DUE TO FAILED MAIN FEEDWATER CONTROL VALVE.
3	10/30/84	F	36.0	A	3				TURBINE TRIP FROM 30% POWER DUE TO HIGH VIBRATIONS.

 * SUMMARY *

 CALLAWAY 1 GENERATED INITIAL ELECTRICITY ON OCTOBER 24, 1984 AND IS PRESENTLY IN A STATE OF POWER ASCENSION.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* CALLAHAY 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MISSOURI
COUNTY.....CALLAWAY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
FULTON, MO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 2, 1984
DATE ELEC ENER 1ST GENER...OCTOBER 24, 1984
DATE COMMERCIAL OPERATE....*****
CONDENSER COOLING METHOD...
CONDENSER COOLING WATER....COOLING POND
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....UNION ELECTRIC
CORPORATE ADDRESS.....P.O. BOX 149
ST LOUIS, MISSOURI 63166
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. NEISLER
LICENSING PROJ MANAGER.....J. HOLONICH
DOCKET NUMBER.....50-483
LICENSE & DATE ISSUANCE...NPF-25, JUNE 11, 1984
PUBLIC DOCUMENT ROOM..... FULTON CITY LIBRARY
709 MARKET STREET
FULTON, MISSOURI 65251

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

INSPECTION SUMMARY

INFO. NOT SUPPLIED BY REGION

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

INFO. NOT SUPPLIED BY REGION

FACILITY ITEMS (PLANS AND PROCEDURES):

INFO. NOT SUPPLIED BY REGION

MANAGERIAL ITEMS:

INFO. NOT SUPPLIED BY REGION

1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: EVELYN BEWLEY (301) 787-5365

4. Licensed Thermal Power (MWT): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>83,149.0</u>
13. Hours Reactor Critical	<u>732.9</u>	<u>6,505.3</u>	<u>66,472.2</u>
14. Rx Reserve Shtdwn Hrs	<u>12.1</u>	<u>12.1</u>	<u>1,900.0</u>
15. Hrs Generator On-Line	<u>726.8</u>	<u>6,436.3</u>	<u>65,182.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,937,400</u>	<u>17,108,349</u>	<u>161,250,644</u>
18. Gross Elec Ener (MWH)	<u>649,797</u>	<u>5,757,473</u>	<u>53,184,958</u>
19. Net Elec Ener (MWH)	<u>522,441</u>	<u>5,408,711</u>	<u>50,643,677</u>
20. Unit Service Factor	<u>97.6</u>	<u>87.9</u>	<u>78.4</u>
21. Unit Avail Factor	<u>97.6</u>	<u>87.9</u>	<u>78.4</u>
22. Unit Cap Factor (MDC Net)	<u>85.0</u>	<u>89.6</u>	<u>74.8*</u>
23. Unit Cap Factor (DER Net)	<u>83.0</u>	<u>87.4</u>	<u>72.1</u>
24. Unit Forced Outage Rate	<u>2.4</u>	<u>12.1</u>	<u>8.0</u>
25. Forced Outage Hours	<u>18.2</u>	<u>883.7</u>	<u>5,546.5</u>

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

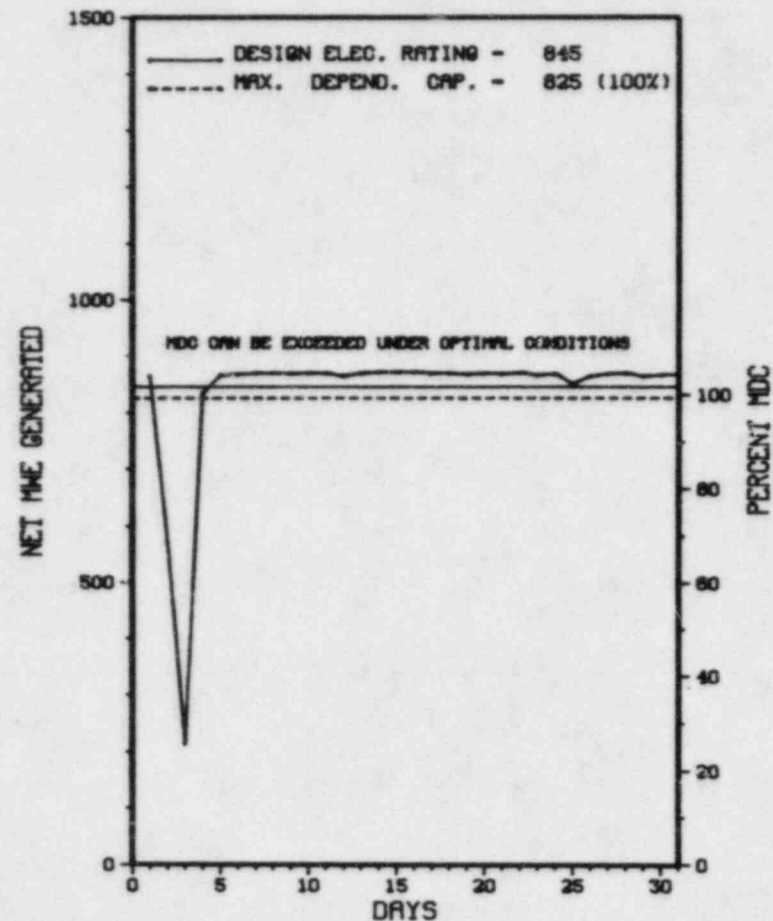
NONE

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-07	10/02/84	F	18.2	H	1		HF	HTEXCH	UNIT WAS SHUT DOWN DUE TO THE REDUCTION OF MAIN CIRCULATING WATER FLOW CAUSED BY IMPINGEMENT OF A LARGE NUMBER OF JELLYFISH ON THE TRAVELING SCREENS.

***** CALVERT CLIFFS 1 OPERATED ROUTINELY DURING OCTOBER.
* SUMMARY *

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* CALVERT CLIFFS 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND

COUNTY.....CALVERT

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 7, 1974

DATE ELEC ENER 1ST GENER...JANUARY 3, 1975

DATE COMMERCIAL OPERATE...MAY 8, 1975

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...CHESAPEAKE BAY

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I

IE RESIDENT INSPECTOR.....T. FOLEY

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

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

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT SPECIAL PROCESSES SUCH AS NONDESTRUCTIVE TESTING BE ACCOMPLISHED USING PROCEDURES IN ACCORDANCE WITH APPLICABLE CODES, SPECIFICATIONS CRITERIA AND OTHER SPECIAL REQUIREMENTS. THE BG&E CO SPECIFICATION FOR CONTAINMENT STRUCTURE ELECTRICAL PENETRATION ASSEMBLIES, REV. 3, STATES THAT THE EXAMINATION OF THE ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME BOILER AND PRESSURE VESSEL CODE, SECTION III, SUBSECTION NE. CONEX CORPORATION DRAWING NO. 7982-10002, TYPE 4A/4B INSTRUMENTATION ELECTRICAL PENETRATION ASSEMBLY - CALVERT CLIFFS, NOTE 1, STATES THAT THE ASME BOILER & PRESSURE VESSEL CODE, SECTION III, SUBSECTION NE, CLASS MC, 1977 EDITION INCLUDING WINTER 1977 ADDENDA IS THE APPLICABLE CODE FOR DESIGN, FABRICATION AND TESTING OF THE PENETRATION ASSEMBLIES. CONTRARY TO THE ABOVE, DURING THE PERIOD FROM JUNE 3, 1982 TO DEC. 6, 1982, UNIT 1 CONTAINMENT PENETRATION WELDS 1ZW88, 1ZWC3, 1ZWD6, 1ZWE4, 1ZWE6, 1ZEC2, 1ZEC7, 1ZED2, 1ZED6, 1ZED7 AND UNIT 2 CONTAINMENT PENETRATION WELDS 2ZWB8, 2ZWC3, 2ZWD4, 2ZWE5, 2ZWE6, 2ZWEC2, 2ZEC7, 2ZED2, 2ZED6 AND 2ZED7 WERE NON-DESTRUCTIVELY EXAMINED IN ACCORDANCE WITH SOUTHWEST RESEARCH INSTITUTE PROCEDURE 600-41, REV. 4, DEV. 1, WHICH DOES NOT COMPLY WITH THE REQUIREMENTS OF THE ASME BOILER AND PRESSURE VESSEL CODE, SECT. III, SUBSECT. NE, CLASS MC, 1977 EDITION, INCLUDING WINTER 1977 ADDENDA. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I) APPLICABLE TO UNIT 1 AND UNIT 2. 10 CFR 50, APPENDIX B, CRITERION IX REQUIRES THAT SPECIAL PROCESSES SUCH AS NONDESTRUCTIVE TESTING BE ACCOMPLISHED USING PROCEDURES IN

ENFORCEMENT SUMMARY

ACCORDANCE WITH APPLICABLE CODES, SPECIFICATIONS CRITERIA AND OTHER SPECIAL REQUIREMENTS. THE BG&E CO. SPECIFICATION FOR CONTAINMENT STRUCTURE ELECTRICAL PENETRATION ASSEMBLIES, REV. 3, STATES THAT THE EXAMINATION OF THE ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME BOILER AND PRESSURE VESSEL CODE, SECTION III, SUBSECTION NE. CONEX CORPORATION DRAWING NO. 7982-10002, TYPE 4A/4B INSTRUMENTATION ELECTRICAL PENETRATION ASSEMBLY - CALVERT CLIFFS, NOTE 1, STATES THAT THE ASME BOILER & PRESSURE VESSEL CODE, SECTION III, SUBSECTION NE, CLASS MC, 1977 EDITION INCLUDING WINTER 1977 ADDENDA IS THE APPLICABLE CODE FOR DESIGN, FABRICATION AND TESTING OF THE PENETRATION ASSEMBLIES. CONTRARY TO THE ABOVE, DURING THE PERIOD FROM JUNE 3, 1982 TO DEC. 6, 1982, UNIT 1 CONTAINMENT PENETRATION WELDS 1ZWB8, 1ZWC3, 1ZWD6, 1ZWE4, 1ZWE6, 1ZEC2, 1ZEC7, 1ZED2, 1ZED6, 1ZED7 AND UNIT 2 CONTAINMENT PENETRATION WELDS 2ZWB8, 2ZWC3, 2ZWD4, 2ZWE5, 2ZWE6, 2ZWE6, 2ZWC7, 2ZED2, 2ZWD6 AND 2ZED7 WERE NON-DESTRUCTIVELY EXAMINED IN ACCORDANCE WITH SOUTHWEST RESEARCH INSTITUTE PROCEDURE 600-41, REV. 4, DEV. 1, WHICH DOES NOT COMPLY WITH THE REQUIREMENTS OF THE ASME BOILER & PRESSURE VESSEL CODE, SECT. III, SUBSECT. NE, CLASS MC, 1977 EDITION, INCLUDING WINTER 1977 ADDENDA. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I) APPLICABLE TO UNIT 1 AND UNIT 2. (8406 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-318 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: EVELYN BEHLEY (310) 787-5365

4. Licensed Thermal Power (MWh): 2700

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

6. Design Electrical Rating (Net MWe): 845

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 825

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

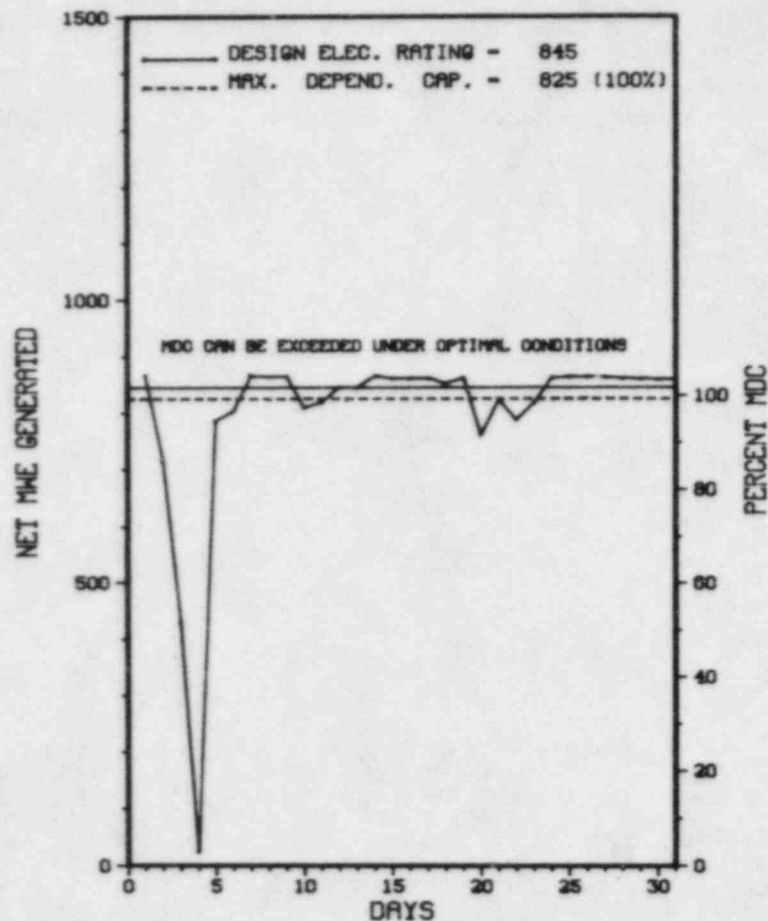
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>66,504.0</u>
13. Hours Reactor Critical	<u>734.8</u>	<u>5,166.2</u>	<u>55,094.0</u>
14. Rx Reserve Shtdwn Hrs	<u>10.2</u>	<u>10.2</u>	<u>968.3</u>
15. Hrs Generator On-Line	<u>720.1</u>	<u>5,039.2</u>	<u>54,154.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,862,851</u>	<u>13,013,711</u>	<u>134,855,404</u>
18. Gross Elec Ener (MWH)	<u>622,257</u>	<u>4,286,639</u>	<u>44,355,925</u>
19. Net Elec Ener (MWH)	<u>595,107</u>	<u>4,090,374</u>	<u>42,294,136</u>
20. Unit Service Factor	<u>96.7</u>	<u>68.8</u>	<u>81.4</u>
21. Unit Avail Factor	<u>96.7</u>	<u>68.8</u>	<u>81.4</u>
22. Unit Cap Factor (MDC Net)	<u>96.8</u>	<u>67.7</u>	<u>77.6*</u>
23. Unit Cap Factor (DER Net)	<u>94.5</u>	<u>66.1</u>	<u>75.3</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>9.9</u>	<u>6.2</u>
25. Forced Outage Hours	<u>24.9</u>	<u>551.7</u>	<u>3,596.9</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 2



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-09	10/03/84	F	15.8	A	1		XX	ZZZZZ	UNIT WAS FORCED OUT OF SERVICE ON LOW STEAM GENERATOR WATER LEVEL FOLLOWING THE TRIP OF 22 STEAM GENERATOR FEED PUMP.
84-10	10/03/84	F	9.1	A	1		HJ	VALVEX	REACTOR WAS FORCED OUT OF SERVICE DUE TO THE STEAM GENERATOR SAFETY VALVE WHICH WOULD NOT RESEAT.

 * SUMMARY *

 CALVERT CLIFFS 2 OPERATED WITH 2 OUTAGES DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MARYLAND
COUNTY.....CALVERT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI S OF
ANNAPOLIS, MD
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 30, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 7, 1976
DATE COMMERCIAL OPERATE...APRIL 1, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHESAPEAKE BAY
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BALTIMORE GAS & ELEC
CORPORATE ADDRESS.....P.O. BOX 1475
BALTIMORE, MARYLAND 21203
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. FOLEY
LICENSING PROJ MANAGER.....D. JAFFE
DOCKET NUMBER.....50-318
LICENSE & DATE ISSUANCE...DPR-69, NOVEMBER 30, 1976
PUBLIC DOCUMENT ROOM.....CALVERT COUNTY LIBRARY
FOURTH STREET
PRINCE FREDERICK, MARYLAND 20678

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-315 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: W. T. GILLETT (616) 465-5901

4. Licensed Thermal Power (Mht): 3250

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

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>86,208.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,621.9</u>	<u>64,240.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,553.8</u>	<u>62,897.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,030,349</u>	<u>19,784,946</u>	<u>183,866,560</u>
18. Gross Elec Ener (MWH)	<u>655,230</u>	<u>6,447,480</u>	<u>60,373,770</u>
19. Net Elec Ener (MWH)	<u>628,281</u>	<u>6,205,978</u>	<u>58,086,318</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.5</u>	<u>74.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.5</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>82.7</u>	<u>83.1</u>	<u>67.7</u>
23. Unit Cap Factor (DER Net)	<u>81.9</u>	<u>82.3</u>	<u>65.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.0</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>418.6</u>	<u>4,499.4</u>

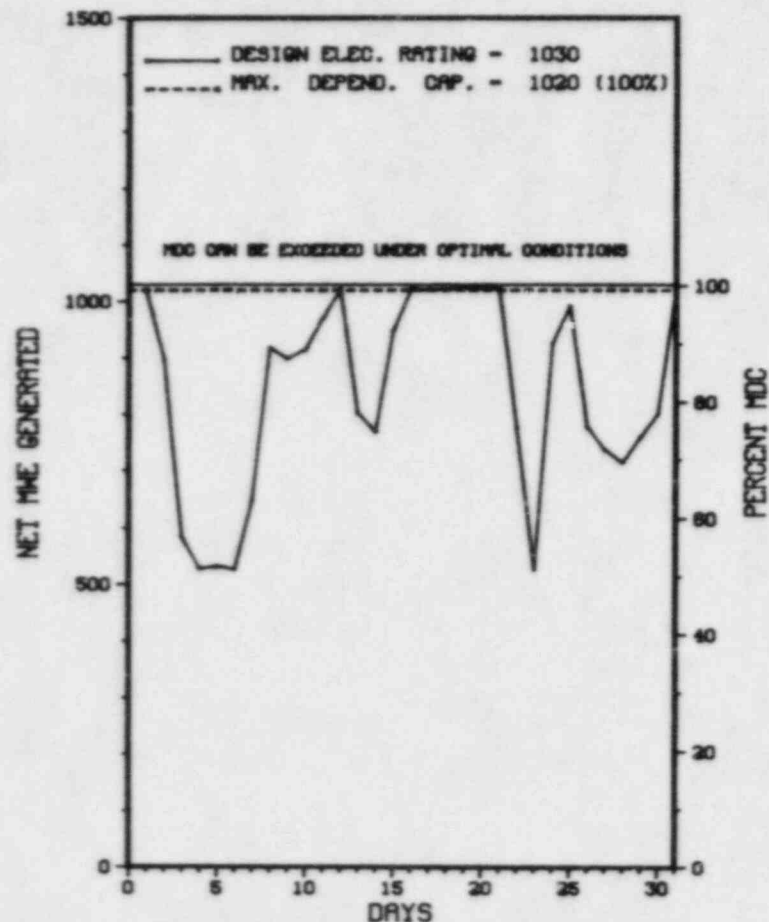
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING AND 10 YEAR INSPECT.: 3/9/85; 121 DAYS

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
230	10/02/84	F	0.0	B	5		ZZ	ZZZZZZ	REACTOR POWER WAS REDUCED TO 56% TO PERMIT REMOVING A MAIN FEEDWATER PUMP, MFP, FROM SERVICE. THE EAST MFP WAS REMOVED TO CHECK THE F.P. TURBINE CONDENSER FOR TUBE LEAKS.
231	10/13/84	F	0.0	B	5		HF	HTEXCH	REACTOR POWER WAS REDUCED TO 80% FOR MAIN CONDENSER TUBE LEAK CHECKS. TWO TUBES WERE PLUGGED IN EACH OF THE A-NORTH, A-SOUTH AND B-NORTH CONDENSER HALVES.
232	10/22/84	F	0.0	B	5		ZZ	ZZZZZZ	REACTOR POWER WAS REDUCED TO 55% TO PERFORM LEAK CHECKS ON THE EAST AND WEST F.P. TURBINE CONDENSERS AND TO CHANGE OUT ORIFICES IN THE WEST MFP PUMP BEARING HOUSINGS TO REDUCE THE HIGH BEARING TEMPERATURES. ONE TUBE WAS PLUGGED IN THE EAST F.P. CONDENSER AND TWO TUBES WERE PLUGGED IN THE WEST F.P. CONDENSER.
233	10/25/84	F	0.0	F	5	84-025-0	ZZ	ZZZZZZ	REACTOR POWER WAS REDUCED TO 80% AS A PRECAUTIONARY MEASURE DUE TO A 17% DEFICIENCY IN AVAILABLE AUXILIARY FEEDWATER FLOW UNDER CERTAIN ACCIDENT CONDITIONS INVOLVING A FEEDWATER LINE BREAK. A FURTHER REDUCTION TO 75% FOR ADDITIONAL CONSERVATISM OCCURRED ON 10/26/84.

 * SUMMARY *

 COOK 1 OPERATED WITH 4 REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOK 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN

COUNTY.....BERRIEN

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JANUARY 18, 1975
DATE ELEC ENER 1ST GENER...FEBRUARY 10, 1975
DATE COMMERCIAL OPERATE...AUGUST 27, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

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

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-315
LICENSE & DATE ISSUANCE...DPR-58, OCTOBER 25, 1974
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON JULY 9 THROUGH SEPTEMBER 19, 1984 (84-13): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; INSERVICE TEST PROGRAM FOR PUMPS AND VALVES; TURBINE DRIVEN AUXILIARY FEEDWATER PUMP TESTING; SURVEILLANCE TEST CRITERIA AND OPERABILITY REVIEWS; SELECTION OF LIMITING VALVE STROKE TIMES; VISUAL OBSERVATION OF VALVE STROKING; CORRECTIVE ACTION FOR VALVES; PRESSURE ISOLATION VALVE TESTING; CONTAINMENT RECIRCULATION SUMP ISOLATION VALVE TESTING; AND PUMP TEST PROGRAM SPECIFICS. THE INSPECTION INVOLVED A TOTAL OF 144 INSPECTOR-HOURS ONSITE AND 98 INSPECTOR-HOURS OFFSITE BY THREE NRC INSPECTORS, INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE FOUND IN SEVEN AREAS; THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING THREE AREAS (FAILURE TO MEET A TECHNICAL SPECIFICATION REQUIREMENT - PARAGRAPH 4B; UN-CALIBRATED EQUIPMENT USED FOR SURVEILLANCE TESTING - PARAGRAPH 4C; INADEQUATE IMPLEMENTATION OF VALVE SURVEILLANCE TEST REQUIREMENTS, MULTIPLE EXAMPLES - PARAGRAPHS 6, 8A AND 8B).

INSPECTION ON JULY 28, 1984 THROUGH AUGUST 31, (84-15): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; IE CIRCULARS; PLANT TRIP REVIEW; CONFIRMATORY ACTION LETTER. THE INSPECTION INVOLVED A TOTAL OF 239 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 34 INSPECTOR-HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 21, 1984 THROUGH AUGUST 30, 1984 (84-18): SPECIAL INSPECTION OF THE CIRCUMSTANCES SURROUNDING THREE EVENTS: THE DISCOVERY OF BOTH TRAINS OF THE ENGINEERED SAFETY FEATURES EQUIPMENT VENTILATION EXHAUST SYSTEM BEING INOPERABLE; THE DISCOVERY OF BOTH MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS BEING INOPERABLE; THE DISCOVERY OF THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMP NOT BEING IN A STANDBY CONDITION READY TO DELIVER WATER TO THE STEAM GENERATORS ON DEMAND. THE INSPECTION INVOLVED 22

1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: W. T. GILLET (616) 465-5901

4. Licensed Thermal Power (MWt): 3411

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

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1100

8. Maximum Dependable Capacity (Net MWe): 1060

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>59,904.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,327.4</u>	<u>42,112.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,241.8</u>	<u>41,042.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,423,846</u>	<u>13,913,558</u>	<u>132,366,526</u>
18. Gross Elec Ener (MWH)	<u>792,100</u>	<u>4,525,650</u>	<u>42,752,080</u>
19. Net Elec Ener (MWH)	<u>763,916</u>	<u>4,367,243</u>	<u>41,220,596</u>
20. Unit Service Factor	<u>100.0</u>	<u>57.9</u>	<u>71.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>57.9</u>	<u>71.3</u>
22. Unit Cap Factor (MDC Net)	<u>96.7</u>	<u>56.3</u>	<u>68.1</u>
23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>54.2</u>	<u>66.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.6</u>	<u>12.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>111.8</u>	<u>5,962.7</u>

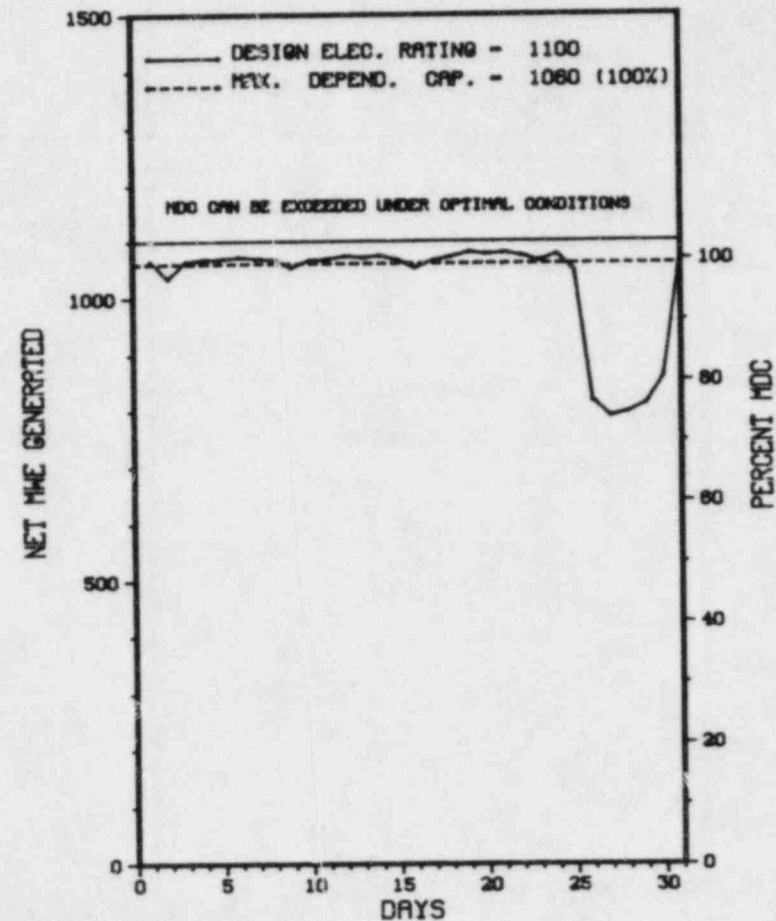
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SURVEILLANCE & MAINTENANCE: 12/22/84 - 2 WKS.

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

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
151	10/25/84	F	0.0	F	5	84-028-0	ZZ	ZZZZZ	REACTOR POWER WAS REDUCED TO 80% AS A PRECAUTIONARY MEASURE DUE TO A 17% DEFICIENCY IN AVAILABLE AUXILIARY FEEDWATER FLOW UNDER CERTAIN ACCIDENT CONDITIONS INVOLVING A FEEDWATER LINE BREAK. A FURTHER REDUCTION TO 75% FOR ADDITIONAL CONSERVATISM OCCURRED ON 10/26/84.

 * SUMMARY *

 COOK 2 OPERATED WITH 1 REDUCTION DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOK 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....BERRIEN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR... 11 MI S OF
BENTON HARBOR, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 10, 1978
DATE ELEC ENER 1ST GENER...MARCH 22, 1978
DATE COMMERCIAL OPERATE...JULY 1, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....INDIANA & MICHIGAN ELECTRIC
CORPORATE ADDRESS.....1 RIVERSIDE PLAZA
COLUMBUS, OHIO 43216
CONTRACTOR
ARCHITECT/ENGINEER.....AMERICAN ELEC. POWER SERVICE CORP.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....J. A. JONES CONSTRUCTION
TURBINE SUPPLIER.....BROWN BOVERI

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENKE 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 JULY 9 THROUGH SEPTEMBER 19, 1984 (84-15): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; INSERVICE TEST PROGRAM FOR PUMPS AND VALVES; TURBINE DRIVEN AUXILIARY FEEDWATER PUMP TESTING; SURVEILLANCE TEST CRITERIA AND OPERABILITY REVIEWS; SELECTION OF LIMITING VALVE STROKE TIMES; VISUAL OBSERVATION OF VALVE STROKING; CORRECTIVE ACTION FOR VALVES; PRESSURE ISOLATION VALVE TESTING; CONTAINMENT RECIRCULATION SUMP ISOLAION VALVE TESTING; AND PUMP TEST PROGRAM SPECIFICS. THE INSPECTION INVOLVED A TOTAL OF 144 INSPECTOR-HOURS ONSITE AND 98 INSPECTOR-HOURS OFFSITE BY THREE NRC INSPECTORS, INCLUDING 20 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE TEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE FOUND IN SEVEN AREAS; THREE ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING THREE AREAS (FAILURE TO MEET A TECHNICAL SPECIFICATION REQUIREMENT - PARAGRAPH 4B; UN-CALIBRATED EQUIPMENT USED FOR SURVEILLANCE TESTING - PARAGRAPH 4C; INADEQUATE IMPLEMENTATION OF VALVE SURVEILLANCE TEST REQUIREMENTS, MULTIPLE EXAMPLES - PARAGRAPHS 6, 8A AND 8B).

INSPECTION ON JULY 28, 1984 THROUGH AUGUST 31, (84-17): ROUTINE UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; IE CIRCULARS; PLANT TRIP REVIEW; CONFIRMATORY ACTION LETTER. THE INSPECTION INVOLVED A TOTAL OF 239 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 34 INSPECTOR-HOURS OFF-SHIFT. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON JUNE 21, 1984 THROUGH AUGUST 30, 1984 (84-20): SPECIAL INSPECTION OF THE CIRCUMSTANCES SURROUNDING THREE EVENTS: THE DISCOVERY OF BOTH TRAINS OF THE ENGINEERED SAFETY FEATURES EQUIPMENT VENTILATION EXHAUST SYSTEM BEING INOPERABLE; THE DISCOVERY OF BOTH MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS BEING INOPERABLE; THE DISCOVERY OF THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMP NOT BEING IN A STANDBY CONDITION READY TO DELIVER WATER TO THE STEAM GENERATORS ON DEMAND. THE INSPECTION INVOLVED 22

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-7	09/16/84	S	745.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

COOPER STATION REMAINS SHUTDOWN FOR REFUELING DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* COOPER STATION *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEBRASKA
COUNTY.....NEMAHA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...23 MI S OF
NEBRASKA CITY, NEB
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...FEBRUARY 21, 1974
DATE ELEC ENER 1ST GENER...MAY 10, 1974
DATE COMMERCIAL OPERATE...JULY 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSOURI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NEBRASKA PUBLIC POWER DISTRICT
CORPORATE ADDRESS.....P.O. BOX 499
COLUMBUS, NEBRASKA 68601
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BURNS & ROE
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....D. DUBOIS
LICENSING PROJ MANAGER.....E. SYLVESTER
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE...PPR-46, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
1118 15TH STREET
AUBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

INSPECTION CONDUCTED AUGUST 31, 1984 (84-15)

ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, LICENSEE EVENT FOLLOWUP, PLANT TRIPS - SAFETY SYSTEM CHALLENGES, REFUELING PREPAR-ATION, SPENT FUEL SHIPPING, AND BWR RECIRCULATION SYSTEM PIPING RE-PLACEMENT. ONE VIOLATION WAS IDENTIFIED (FAILURE TO PERFORM ACCURATELY A PART OF TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE TEST 6.2.4.1).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period OCT 1984

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

* COOPER STATION *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR BWR RECIRCULATION SYSTEM PIPING REPLACEMENT & REFUELING.

LAST IE SITE INSPECTION DATE: JULY 1 - AUGUST 31, 1984

INSPECTION REPORT NO: 50-298/8415

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

O P E R A T I N G S T A T U S

1. Docket: 50-302

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWt): 2544

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

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

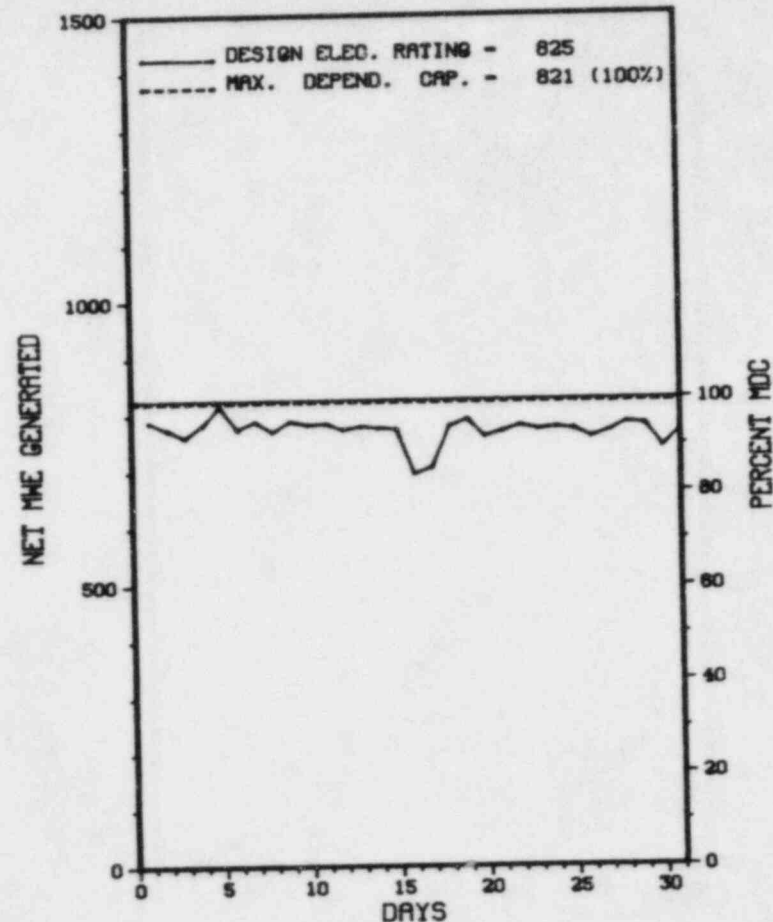
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>66,960.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,005.0</u>	<u>44,575.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,963.3</u>	<u>43,582.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,741,482</u>	<u>16,643,218</u>	<u>98,607,553</u>
18. Gross Elec Ener (MWh)	<u>601,803</u>	<u>5,737,598</u>	<u>33,664,334</u>
19. Net Elec Ener (MWH)	<u>573,090</u>	<u>5,468,735</u>	<u>31,985,818</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.1</u>	<u>65.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.1</u>	<u>65.1</u>
22. Unit Cap Factor (MDC Net)	<u>93.7</u>	<u>91.0</u>	<u>58.2</u>
23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>90.6</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>21.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>73.9</u>	<u>11,689.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING: MARCH 8, 1985, 20 WEEKS.

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CRYSTAL RIVER 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* CRYSTAL RIVER 3 *

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

NONE

* SUMMARY *

CRYSTAL RIVER 3 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....CITRUS
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NW OF
CRYSTAL RIVER, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 14, 1977
DATE ELEC ENER 1ST GENER...JANUARY 30, 1977
DATE COMMERCIAL OPERATE...MARCH 13, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...GULF OF MEXICO
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER CORPORATION
CORPORATE ADDRESS.....3201 34TH STREET, SOUTH
ST PETERSBURG, FLORIDA 33733
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....J. A. JONES CONSTRUCTION
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. STETKA
LICENSING PROJ MANAGER.....H. SILVER
DOCKET NUMBER.....50-302
LICENSE & DATE ISSUANCE...DPR-72, JANUARY 28, 1977
PUBLIC DOCUMENT ROOM.....CRYSTAL RIVER PUBLIC LIBRARY
668 N.W. FIRST
CRYSTAL RIVER, FLORIDA 32639

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

INSPECTION SUMMARY

+ INSPECTION JULY 31 - AUGUST 31 (84-22): THIS ROUTINE INSPECTION INVOLVED 80 INSPECTOR-HOURS ON SITE BY RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. TWO VIOLATIONS WERE IDENTIFIED - FAILURE TO MAINTAIN CALIBRATION OF TEST INSTRUMENT; FAILURE TO HAVE AN ADEQUATE SURVEILLANCE TEST PROCEDURE.

INSPECTION SEPTEMBER 1-27 (84-26): THIS ROUTINE INSPECTION INVOLVED 98 INSPECTOR-HOURS ON SITE BY ONE RESIDENT INSPECTOR IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, LICENSEE ACTION ON IE BULLETIN 79-02 AND IE INFORMATION NOTICES, CONTRACTOR WELDER QUALIFICATIONS, AND LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS. NUMEROUS FACILITY TOURS WERE CONDUCTED AND FACILITY OPERATIONS OBSERVED. SOME OF THESE TOURS AND OBSERVATIONS WERE CONDUCTED ON BACKSHIFTS. ONE DEVIATION WAS IDENTIFIED - FAILURE TO COMPLETE CORRECTIVE ACTIONS AS DESCRIBED IN THE RESPONSE TO AN NRC VIOLATION.

ENFORCEMENT SUMMARY

CONTRARY TO 10CFR PART 50, APPENDIX B, CRITERION 12 AND SECTION 1.7.1.12 OF THE FPC QUALITY PROGRAM, AN INSTRUMENT THAT WAS DUE FOR CALIBRATION ON JULY 26, 1984 WAS USED TO PERFORM A SURVEILLANCE PROCEDURE ON JULY 27, JULY 30 AND AUGUST 1, 1984.

ENFORCEMENT SUMMARY

(8422 4)

CONTRARY TO 10CFR PART 50, APPENDIX B, CRITERION 5 AND SECTION 1.7.1.5 OF THE FPC QUALITY PROGRAM, A SURVEILLANCE PROCEDURE USED FOR EQUIPMENT CONTROL (E.I., LOCKED VALVES) WAS INADEQUATE IN THAT A LOCKED VALVE WAS FOUND TO BE UNLOCKED.
(8422 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: SEPTEMBER 1-27, 1984 +

INSPECTION REPORT NO: 50-302/84-26 +

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
-----
84-018    01/05/84    10/08/84    FIVE CELLS ON ONE OF THE STATION'S BATTERIES FAILED TO MEET A TECHNICAL SPECIFICATION DATA SHEETS STATED THAT ALL ACCEPTANCE CRITERIA WERE NOT MET.
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1. Docket: 50-346 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: BILAL SARSOOR (419) 259-5000 X384

4. Licensed Thermal Power (Mwt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 918

8. Maximum Dependable Capacity (Net MWe): 874

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

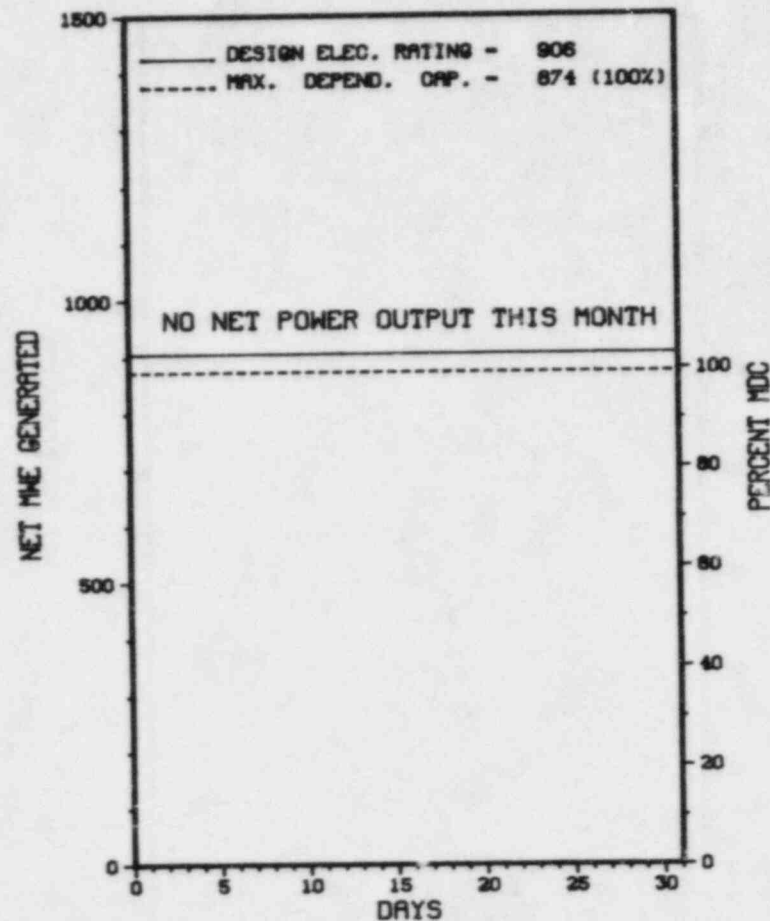
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>54,841.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,529.0</u>	<u>33,031.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>134.8</u>	<u>4,014.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,489.5</u>	<u>31,641.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,732.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>13,941,608</u>	<u>74,985,422</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,554,151</u>	<u>24,846,344</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,291,557</u>	<u>23,290,256</u>
20. Unit Service Factor	<u>.0</u>	<u>75.0</u>	<u>57.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>75.0</u>	<u>60.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>67.1</u>	<u>48.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>64.7</u>	<u>46.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>17.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>677.5</u>	<u>7,261.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/25/84

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DAVIS-BESSE 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	09/14/84	S	745.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

DAVIS-BESSE REMAINS SHUTDOWN FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OHIO
COUNTY.....OTTAWA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI E OF
TOLEDO, OH
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 12, 1977
DATE ELEC ENER 1ST GENER...AUGUST 28, 1977
DATE COMMERCIAL OPERATE....JULY 31, 1978
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...LAKE ERIE
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TOLEDO EDISON
CORPORATE ADDRESS.....300 MADISON AVENUE
TOLEDO, OHIO 43652
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....W. ROGERS
LICENSING PROJ MANAGER.....A. DEGAZIO
DOCKET NUMBER.....50-346
LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
GOVERNMENT DOCUMENTS COLLECTION
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 10-14, (84-21): ROUTINE ANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS INCLUDING COLLECTION OF SAMPLES, ANALYSIS ONSITE WITH THE REGION III MEASUREMENTS LABORATORY AND DISCUSSION OF RESULTS; (2) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) IMPLEMENTATION AND RESULTS; AND (3) REVIEW OF AN OPEN ITEM IDENTIFIED DURING A PREVIOUS INSPECTION. THE INSPECTION INVOLVED 68 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO APPARENT ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 19-20, (84-23): ROUTINE INSPECTION OF FOLLOWUP ON PREVIOUS INSPECTION FINDINGS AND REVIEW OF CONTAINMENT ELECTRICAL PENETRATIONS. THE INSPECTION INVOLVED A TOTAL 12 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50 APPENDIX B, CRITERION III, STATES IN PART: "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT APPLICABLE REGULATORY REQUIREMENTS AND THE DESIGN BASIS, AS DEFINED IN 10 CFR 50.2 AND AS SPECIFIED IN THE LICENSE APPLICATION, FOR THOSE STRUCTURES, SYSTEMS AND COMPONENTS TO WHICH THIS APPENDIX APPLIES ARE CORRECTLY TRANSLATED INTO SPECIFICATIONS, DRAWINGS, PROCEDURES, AND INSTRUCTIONS... DESIGN CHANGES, INCLUDING FIELD CHANGES, SHALL BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN..." CONTRARY TO THE ABOVE, THE DESIGN BASIS POWER SUPPLY FOR REACTOR COOLANT SYSTEM HIGH POINT VENT

1. Docket: 50-237 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 772

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>126,840.0</u>
13. Hours Reactor Critical	<u>124.1</u>	<u>6,511.4</u>	<u>98,736.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>118.5</u>	<u>6,403.7</u>	<u>94,304.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>234,516</u>	<u>14,643,422</u>	<u>191,381,018</u>
18. Gross Elec Ener (MWH)	<u>74,306</u>	<u>4,701,587</u>	<u>61,204,754</u>
19. Net Elec Ener (MWH)	<u>63,961</u>	<u>4,468,357</u>	<u>57,865,801</u>
20. Unit Service Factor	<u>15.9</u>	<u>87.5</u>	<u>74.3</u>
21. Unit Avail Factor	<u>15.9</u>	<u>87.5</u>	<u>74.3</u>
22. Unit Cap Factor (MDC Net)	<u>11.1</u>	<u>79.1</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>10.8</u>	<u>76.9</u>	<u>57.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>11.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>289.8</u>	<u>4,710.0</u>

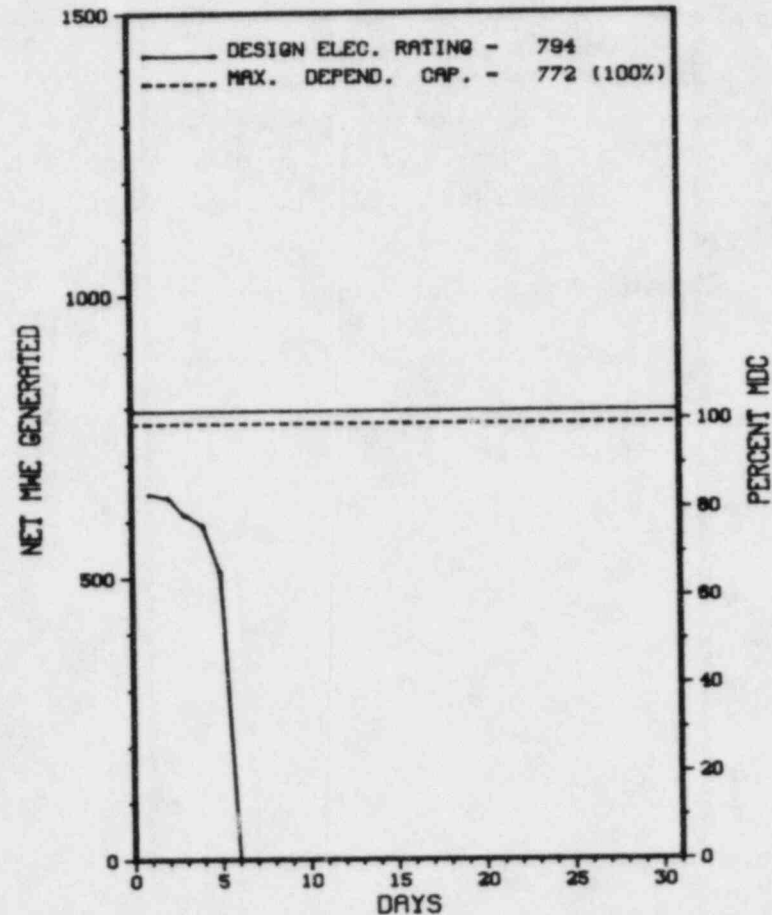
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/15/84

* D R E S D E N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

D R E S D E N 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	10/05/84	S	626.5	C	1		RC	FUELXX	OFF LINE FOR ITS REFUELING OUTAGE. APPROXIMATE START-UP 12-15-84.

* SUMMARY *

DRESDEN 2 SHUTDOWN ON OCTOBER 5TH FOR REFUELING AND MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DRESDEN 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....GRUNDY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 7, 1970
DATE ELEC ENER 1ST GENER...APRIL 13, 1970
DATE COMMERCIAL OPERATE....JUNE 9, 1970
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-237
LICENSE & DATE ISSUANCE...DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON MAY 24-25, JULY 16-23, AND AUGUST 6 AND 23 (84-13): ROUTINE UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE SYSTEMS, INCLUDING: EFFLUENT RELEASES; RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; CONTAINMENT AIR-CLEANING SYSTEMS; AN UNPLANNED LIQUID RELEASE INTO THE UNIT-1 DISCHARGE CANAL; REVIEW OF UNIT-1 CHEMICAL CLEANING PROCEDURES; AND REVIEW OF A FLOOR DRAIN SURGE TANK OVERFLOW INCIDENT. THE INSPECTION INVOLVED 130 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THREE VIOLATIONS WERE IDENTIFIED: EXCESSIVE LIQUID RELEASE CONCENTRATION.

INSPECTION DURING THE PERIOD OF AUGUST 22 THROUGH SEPTEMBER 11, (84-16): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF REGIONAL REQUESTS, OPERATIONAL SAFETY, EVENTS, SURVEILLANCE, LICENSEE EVENT REPORTS, I. E. INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT NUCLEAR FUEL SHIPMENTS, AND OPERATING REPORTS. THE INSPECTION INVOLVED A TOTAL OF 149 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 9 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 8 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA.

MEETING ON SEPTEMBER 7, 1984 (84-17): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING.

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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: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>116,425.0</u>
13. Hours Reactor Critical	<u>536.4</u>	<u>2,444.5</u>	<u>85,279.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>441.6</u>	<u>1,882.9</u>	<u>81,745.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>893,876</u>	<u>3,732,710</u>	<u>163,695,714</u>
18. Gross Elec Ener (MWH)	<u>275,434</u>	<u>1,141,009</u>	<u>53,093,918</u>
19. Net Elec Ener (MWH)	<u>258,092</u>	<u>1,055,593</u>	<u>50,286,176</u>
20. Unit Service Factor	<u>59.3</u>	<u>25.7</u>	<u>70.2</u>
21. Unit Avail Factor	<u>59.3</u>	<u>25.7</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>44.8</u>	<u>18.7</u>	<u>55.9</u>
23. Unit Cap Factor (DER Net)	<u>43.6</u>	<u>18.2</u>	<u>54.4</u>
24. Unit Forced Outage Rate	<u>40.7</u>	<u>21.4</u>	<u>12.8</u>
25. Forced Outage Hours	<u>303.4</u>	<u>511.7</u>	<u>6,926.9</u>

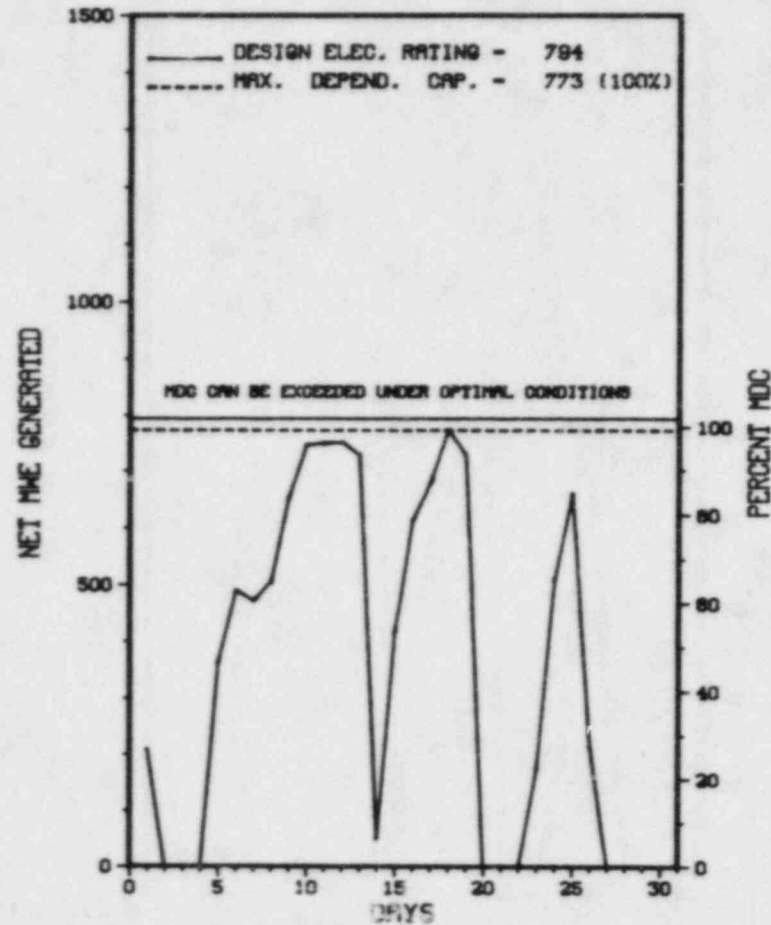
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/02/84

* D R E S D E N 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

D R E S D E N 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
4	09/25/84	F	3.9	A	4			CONDENSER TUBE LEAKS.
5	10/01/84	F	55.4	A	9			FEEDWATER REGULATOR VALVE PROBLEMS.
6	10/04/84	F	20.9	A	3			EHC OIL LEAK.
7	10/14/84	F	21.2	A	3			LOWER CONDENSER VACUUM.
8	10/20/84	F	66.2	A	3			FEEDWATER REGULATOR VALVE PROBLEMS.
9	10/26/84	F	135.8	A	3			LOW CONDENSER VACUUM.

 * SUMMARY *

 DRESDEN 3 OPERATED WITH 6 OUTAGES FOR EQUIPMENT FAILURE, SHUTTING DOWN ON THE 26TH FOR CONDENSER VACUUM PROBLEMS.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DRESDEN 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....GRUNDY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI E OF
MORRIS, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 31, 1971
DATE ELEC ENER 1ST GENER...JULY 22, 1971
DATE COMMERCIAL OPERATE...NOVEMBER 16, 1971
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...KANKAKEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....T. TONGUE
LICENSING PROJ MANAGER....R. GILBERT
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON MAY 24-25, JULY 16-23, AND AUGUST 6 AND 23 (84-12): ROUTINE UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE SYSTEMS, INCLUDING: EFFLUENT RELEASES; RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; CONTAINMENT AIR-CLEANING SYSTEMS; AN UNPLANNED LIQUID RELEASE INTO THE UNIT-1 DISCHARGE CANAL; REVIEW OF UNIT-1 CHEMICAL CLEANING PROCEDURES; AND REVIEW OF A FLOOR DRAIN SURGE TANK OVERFLOW INCIDENT. THE INSPECTION INVOLVED 130 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. THREE VIOLATIONS WERE IDENTIFIED: EXCESSIVE LIQUID RELEASE CONCENTRATION.

INSPECTION DURING THE PERIOD OF AUGUST 22 THROUGH SEPTEMBER 11, (84-15): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF REGIONAL REQUESTS, OPERATIONAL SAFETY, EVENTS, SURVEILLANCE, LICENSEE EVENT REPORTS, I. E. INFORMATION NOTICES, UNIT 1 CHEMICAL CLEANING, SPENT NUCLEAR FUEL SHIPMENTS, AND OPERATING REPORTS. THE INSPECTION INVOLVED A TOTAL OF 149 INSPECTOR-HOURS ONSITE BY 3 NRC INSPECTORS INCLUDING 12 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 9 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 8 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA.

MEETING ON SEPTEMBER 7, 1984 (84-16): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING.

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1. Docket: 50-331 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: KEN S. PUTNAM (319) 851-7456

4. Licensed Thermal Power (Mwt): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

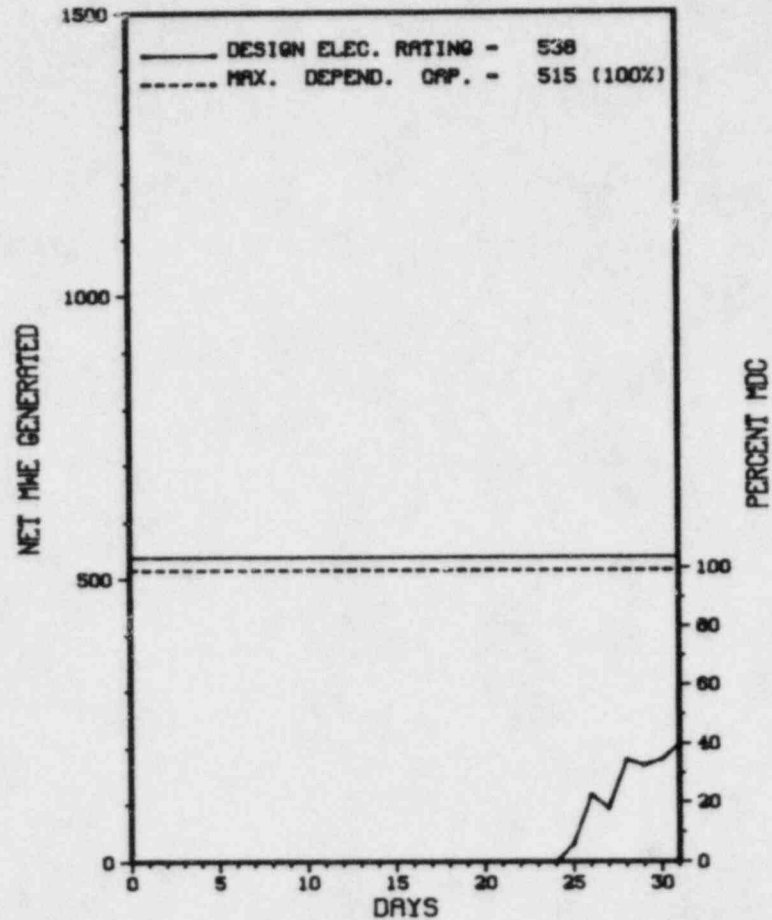
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>85,464.0</u>
13. Hours Reactor Critical	<u>223.4</u>	<u>5,377.0</u>	<u>61,312.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>130.3</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>158.0</u>	<u>5,201.6</u>	<u>59,644.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>96,513</u>	<u>7,341,819</u>	<u>75,090,381</u>
18. Gross Elec Ener (MWH)	<u>26,210</u>	<u>2,442,787</u>	<u>25,136,844</u>
19. Net Elec Ener (MWH)	<u>23,633</u>	<u>2,296,731</u>	<u>23,533,101</u>
20. Unit Service Factor	<u>21.2</u>	<u>71.1</u>	<u>69.8</u>
21. Unit Avail Factor	<u>21.2</u>	<u>71.1</u>	<u>69.8</u>
22. Unit Cap Factor (MDC Net)	<u>6.2</u>	<u>60.9</u>	<u>53.5</u>
23. Unit Cap Factor (DER Net)	<u>5.9</u>	<u>58.3</u>	<u>51.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.2</u>	<u>16.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>789.9</u>	<u>12,124.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DUANE ARNOLD



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	09/29/84	S	587.0	B	4				SCHEDULED GENERAL MAINTENANCE OUTAGE CONTINUED FROM SEPTEMBER.

* SUMMARY *

DUANE ARNOLD RETURNED ONLINE OCTOBER 25TH FROM A MAINTENANCE OUTAGE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* DUANE ARNOLD *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA

COUNTY.....LINN

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 23, 1974

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

DATE COMMERCIAL OPERATE...FEBRUARY 1, 1975

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER....CEDAR RAPIDS RIVER

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

UTILITY & CONTRACTOR INFORMATION

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

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....L. CLARDY

LICENSING PROJ MANAGER.....M. THADANI
DOCKET NUMBER.....50-331

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

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

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 4-6, 1984, (84-13): INCLUDED A REVIEW OF THE LICENSEE'S PHYSICAL SECURITY EVENT REPORTING PROGRAM (10 CFR 73.71(C)). THE INSPECTION INVOLVED A TOTAL OF 13 INSPECTOR-HOURS BY ONE NRC INSPECTOR. ONE OF THE 13 INSPECTOR-HOURS WAS CONDUCTED DURING BACK-SHIFT PERIODS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITHIN THE AREAS EXAMINED. TWO UNRESOLVED ITEMS WERE IDENTIFIED. ONE ISSUE PERTAINED TO COMPENSATORY MEASURES FOR PARTIAL DEGRADATION OF PROTECTED AREA LIGHTING THE OTHER ITEM PERTAINED TO FALSE/NUISANCE ALARM CRITERIA FOR THE PERIMETER INTRUSION DETECTION SYSTEM. THE UNRESOLVED ITEMS WILL BE SENT TO NRC, HQ FOR RESOLUTION.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

O P E R A T I N G S T A T U S

1. Docket: 50-348

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWT): 2652

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

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 842

8. Maximum Dependable Capacity (Net MWe): 797

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

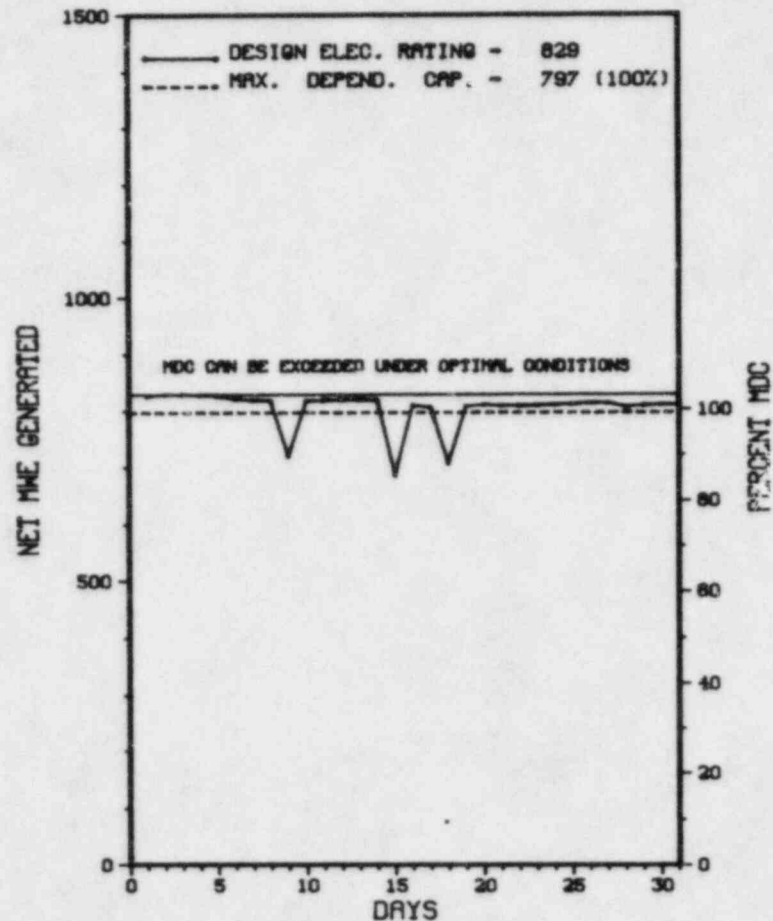
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>60,648.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,541.8</u>	<u>40,665.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,457.0</u>	<u>39,560.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,949,788</u>	<u>14,001,907</u>	<u>100,103,451</u>
18. Gross Elec Ener (MWH)	<u>632,706</u>	<u>4,514,846</u>	<u>31,756,710</u>
19. Net Elec Ener (MWH)	<u>599,734</u>	<u>4,255,466</u>	<u>29,956,528</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.5</u>	<u>65.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.5</u>	<u>65.2</u>
22. Unit Cap Factor (MDC Net)	<u>101.0</u>	<u>72.6</u>	<u>62.0*</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>70.1</u>	<u>59.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.4</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>79.5</u>	<u>6,246.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED WITH NO OUTAGES OR REDUCTIONS IN OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* FARLEY 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....ALABAMA POWER CO.
CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203
CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. BRADFORD
LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-348
LICENSE & DATE ISSUANCE...NPF-2, JUNE 25, 1977
PUBLIC DOCUMENT ROOM.....G.S. HOUSTON MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 24-28 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMISTRY AND RADIOCHEMISTRY PROCEDURES; REVIEW OF QUALITY CONTROL RECORDS AND LOGS; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND NRC REGION II MOBILE LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
NONE.

O P E R A T I N G S T A T U S

1. Docket: 50-364

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 2652

5. Nameplate Rating (Gross MWe): 860

6. Design Electrical Rating (Net MWe): 829

7. Maximum Dependable Capacity (Gross MWe): 853

8. Maximum Dependable Capacity (Net MWe): 809

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

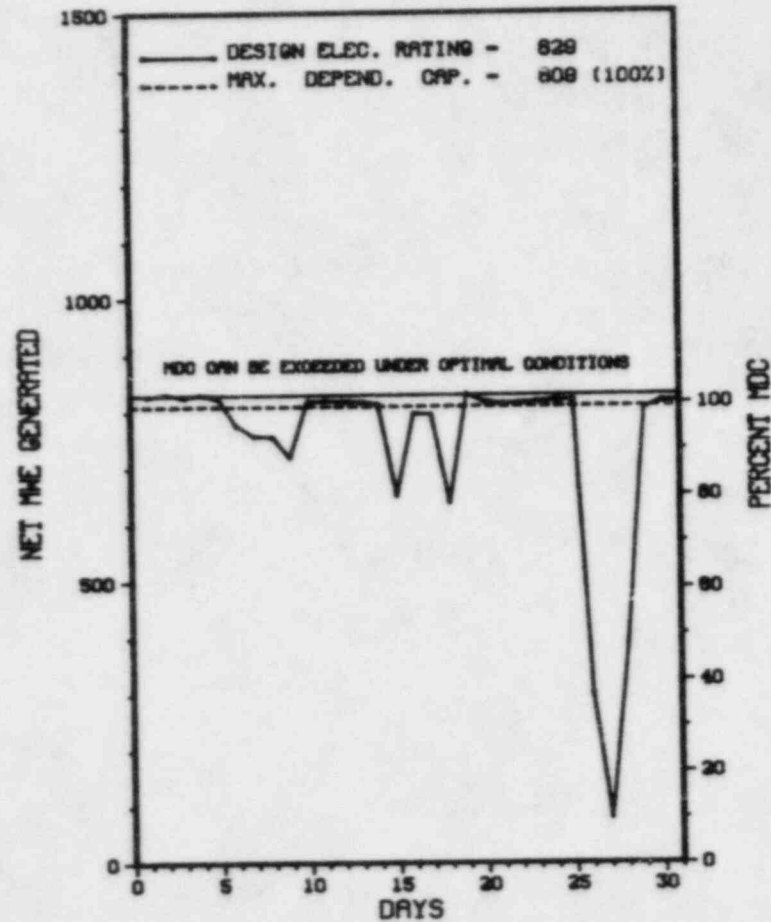
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>28,561.0</u>
13. Hours Reactor Critical	<u>736.0</u>	<u>6,926.8</u>	<u>25,463.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.4</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,842.5</u>	<u>25,141.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,813,687</u>	<u>17,836,460</u>	<u>64,747,152</u>
18. Gross Elec Ener (MWH)	<u>582,322</u>	<u>5,755,150</u>	<u>20,741,998</u>
19. Net Elec Ener (MWH)	<u>553,012</u>	<u>5,472,282</u>	<u>19,672,308</u>
20. Unit Service Factor	<u>96.6</u>	<u>93.5</u>	<u>88.0</u>
21. Unit Avail Factor	<u>96.6</u>	<u>93.5</u>	<u>88.0</u>
22. Unit Cap Factor (MDC Net)	<u>91.8</u>	<u>92.1</u>	<u>85.1</u>
23. Unit Cap Factor (DER Net)	<u>89.5</u>	<u>90.2</u>	<u>83.1</u>
24. Unit Forced Outage Rate	<u>3.4</u>	<u>6.5</u>	<u>5.7</u>
25. Forced Outage Hours	<u>25.0</u>	<u>477.5</u>	<u>1,509.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE: 1/4/85, APPROX. 6 WEEKS.

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
007	10/26/84	F	25.0	G	3	84-012-00			REACTOR TRIP DUE TO IMPROPER PERFORMANCE OF SURVEILLANCE TEST. THE INDIVIDUAL INVOLVED HAS BEEN COUNSELED AND THE SURVEILLANCE TEST PROCEDURE HAS BEEN ENHANCED TO PREVENT RECURRENCE.

* SUMMARY *

FARLEY 2 INCURRED 1 SHUTDOWN IN OCTOBER BECAUSE OF AN IMPROPERLY PERFORMED SURVEILLANCE TEST.

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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training & License Examination		

* FARLEY 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 5, 1981
DATE ELEC ENER 1ST GENER...MAY 25, 1981
DATE COMMERCIAL OPERATE....JULY 30, 1981
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ALABAMA POWER CO.
CORPORATE ADDRESS.....600 NORTH 18TH STREET
BIRMINGHAM, ALABAMA 35203
CONTRACTOR
ARCHITECT/ENGINEER.....SOUTHERN SERVICES INCORPORATED
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. BRADFORD
LICENSING PROJ MANAGER.....E. REEVES
DOCKET NUMBER.....50-364
LICENSE & DATE ISSUANCE...NPF-8, MARCH 31, 1981
PUBLIC DOCUMENT ROOM.....G.S. HOUSTON MEMORIAL LIBRARY
212 W. BURDESHAW STREET
DOTHAN, ALABAMA 36301

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 24-28 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMISTRY AND RADIOCHEMISTRY PROCEDURES; REVIEW OF QUALITY CONTROL RECORDS AND LOGS; AND COMPARISON OF THE RESULTS OF SPLIT SAMPLES ANALYZED BY THE LICENSEE AND NRC REGION II MOBILE LABORATORY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

O P E R A T I N G S T A T U S

1. Docket: 50-333

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWh): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>81,217.0</u>
13. Hours Reactor Critical	<u>50.4</u>	<u>5,763.4</u>	<u>58,292.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,578.8</u>	<u>56,778.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,825,528</u>	<u>120,562,114</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,269,330</u>	<u>40,926,650</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,133,175</u>	<u>39,631,815</u>
20. Unit Service Factor	<u>.0</u>	<u>76.2</u>	<u>69.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>76.2</u>	<u>69.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>69.7</u>	<u>63.5*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>68.8</u>	<u>59.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.7</u>	<u>13.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>274.0</u>	<u>9,157.2</u>

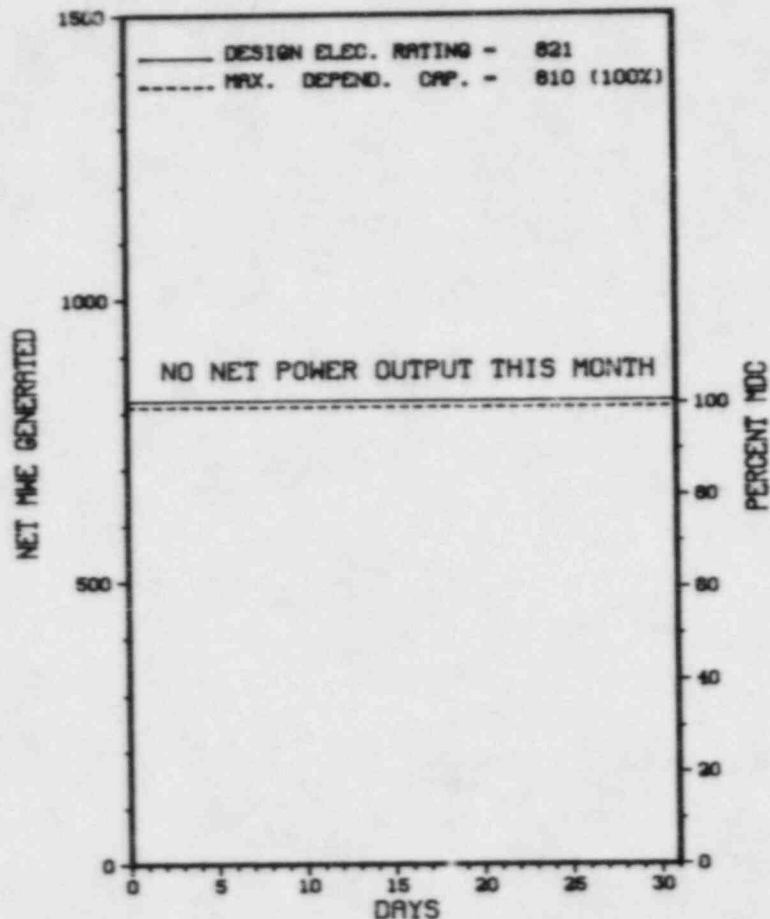
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING: 01/25/85 - 10 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 11/07/84

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FITZPATRICK



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	09/15/84	S	745.0	B	4				SHUTDOWN FOR MAINTENANCE AND IHSI (CUMULATIVE HRS. 1121).

* SUMMARY *

THE UNIT REMAINED SHUTDOWN THIS MONTH FOR IHSI AND GENERAL PLANT MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* FITZPATRICK *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....OSWEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...NOVEMBER 17, 1974
DATE ELEC ENER 1ST GENER...FEBRUARY 1, 1975
DATE COMMERCIAL OPERATE....JULY 28, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.
CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. DOERFLEIN
LICENSING PROJ MANAGER.....H. ABELSON
DOCKET NUMBER.....50-333
LICENSE & DATE ISSUANCE...DPR-59, OCTOBER 17, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - GOVERNMENT DOCUMENTS COL
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-285 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 1500

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

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 501

8. Maximum Dependable Capacity (Net MWe): 478

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Repor Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>97,321.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>4,243.1</u>	<u>74,857.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,136.5</u>	<u>73,489.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,110,458</u>	<u>5,853,528</u>	<u>92,613,242</u>
18. Gross Elec Ener (MWH)	<u>377,874</u>	<u>1,920,266</u>	<u>30,549,690</u>
19. Net Elec Ener (MWH)	<u>360,988</u>	<u>1,825,817</u>	<u>28,905,677</u>
20. Unit Service Factor	<u>100.0</u>	<u>56.5</u>	<u>75.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>56.5</u>	<u>75.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.4</u>	<u>54.9</u>	<u>64.7*</u>
23. Unit Cap Factor (DER Net)	<u>101.4</u>	<u>52.2</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.4</u>	<u>3.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>16.3</u>	<u>1,414.7</u>

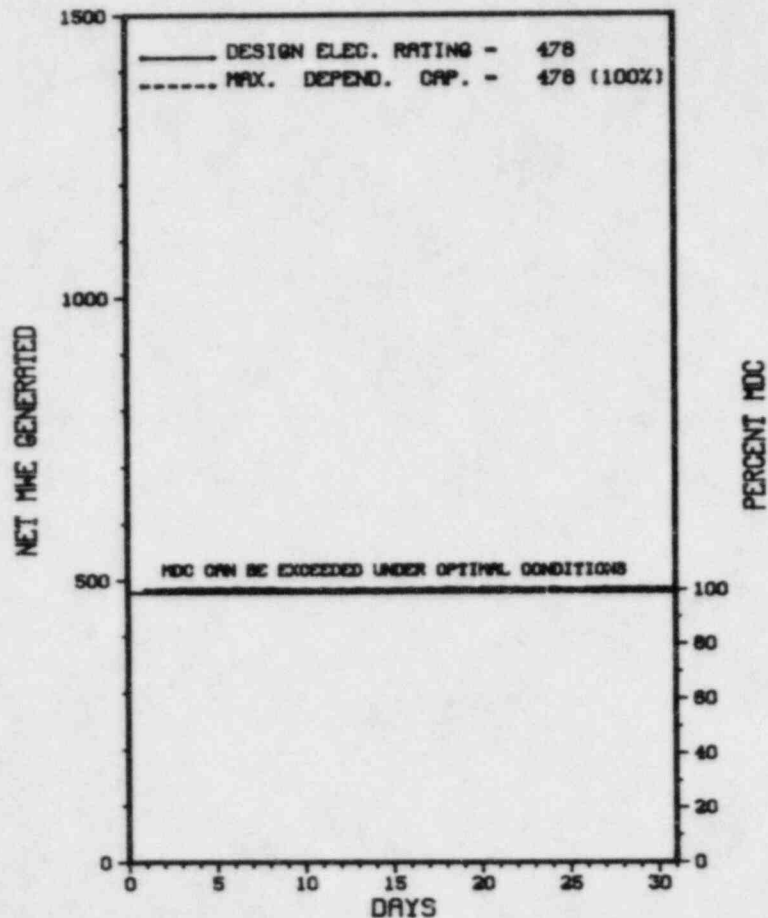
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

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

NONE

* SUMMARY *

FORT CALHOUN OPERATED WITH NO OUTAGES OR REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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: AUG. 1- SEPT. 30, 1984 BY L. A. YANDELL +

INSPECTION REPORT NO: 50-285/84-18 +

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

```

=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT        REPORT
-----
L84-08      5-16-84     6-15-84     STEAM GENERATOR TUBE RUPTURE
L84-08-01   5-16-84     10-1-84     STEAM GENERATOR TUBE RUPTURE
L84-019     9-2-84      10-2-84     VIAS ACTUATION
L84-020     9-14-84     10-22-84    CONTAINMENT HYDROGEN ANALYZER IMPAINMENT
=====

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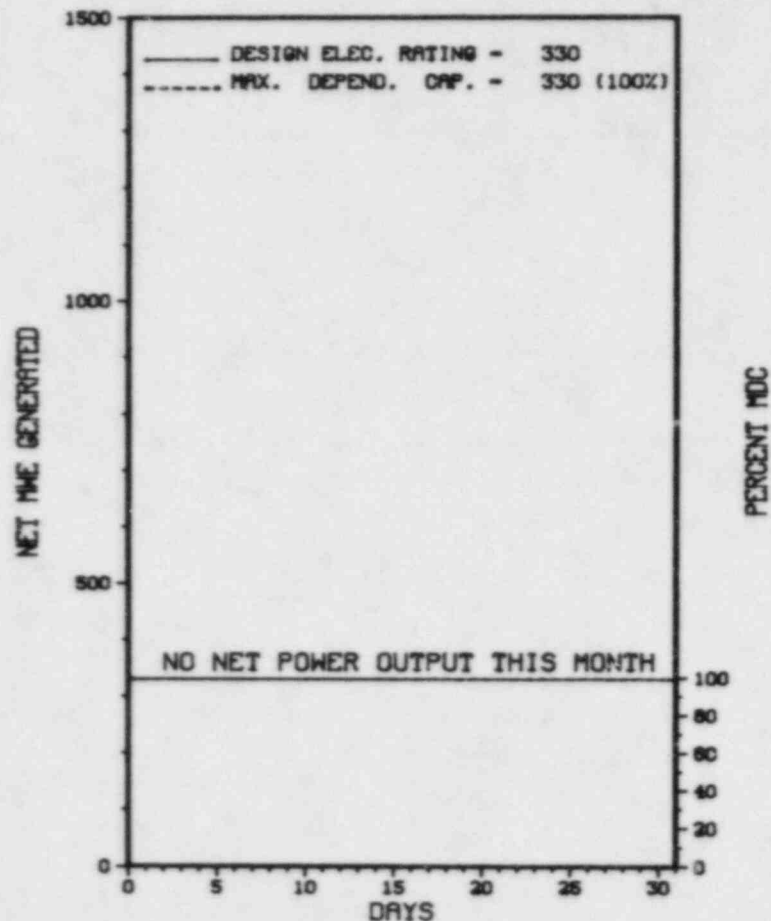
1. Docket: 50-267 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: FRANK NOVACHEK (303) 785-2224
4. Licensed Thermal Power (MWT): 842
5. Nameplate Rating (Gross MWe): 403 X 0.85 = 343
6. Design Electrical Rating (Net MWe): 330
7. Maximum Dependable Capacity (Gross MWe): 342
8. Maximum Dependable Capacity (Net MWe): 330
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): 280
11. Reasons for Restrictions, If Any: _____
B-0 STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>46,801.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,324.1</u>	<u>27,151.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>660.1</u>	<u>18,463.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>340,047</u>	<u>9,709,799</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>95,438</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-2,678</u>	<u>61,986</u>	<u>2,933,516</u>
20. Unit Service Factor	<u>.0</u>	<u>9.0</u>	<u>39.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>9.0</u>	<u>39.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>2.6</u>	<u>19.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>2.6</u>	<u>19.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>82.8</u>	<u>44.6</u>
25. Forced Outage Hours	<u>745.0</u>	<u>3,188.5</u>	<u>14,865.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 04/01/85

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT ST VRAIN



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* FORT ST VRAIN *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-006	07/01/84	F	745.0	A	4	50267/84-008	AA	JC	CONTROL ROD DRIVE INVESTIGATION CONTINUES.

***** FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING MAINTENANCE OUTAGE.
* SUMMARY *

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....COLORADO
COUNTY.....WELD
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...35 MI N OF
DENVER, COL
TYPE OF REACTOR.....HTGR
DATE INITIAL CRITICALITY...JANUARY 31, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 11, 1976
DATE COMMERCIAL OPERATE...JULY 1, 1979
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...S. PLATTE RIVER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE OF COLORADO
CORPORATE ADDRESS.....P.O. BOX 840
DENVER, COLORADO 80201
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ATOMIC CORP.
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....G. PLUMLEE
LICENSING PROJ MANAGER....P. WAGNER
DOCKET NUMBER.....50-267
LICENSE & DATE ISSUANCE...DPR-34, DECEMBER 21, 1973
PUBLIC DOCUMENT ROOM.....GREELEY PUBLIC LIBRARY
CITY COMPLEX BUILDING
GREELEY, COLORADO 80631

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

IMPROPER DISTRIBUTION OF RADIOLOGICAL EMERGENCY RESPONSE PLAN AMENDMENTS TO NRC. AMENDMENTS NOT SUBMITTED WITHIN 30 DAYS & NOT SENT TO REGIONAL ADMINISTRATOR (REGION IV) OR NRC DOCUMENT CONTROL DESK, WASHINGTON, D.C. ABOVE IS VIOLATION OF 10 CFR 50-54 (Q) AND 10 CFR 50, APPENDIX E, V. (8419 4)

CONTRARY TO THE LICENSEE'S WELDING PROCEDURES WM-1, WM-4, AND WM-7, THE NRC INSPECTOR DETERMINED THAT WELDING WAS NOT CONTROLLED AS REQUIRED DURING A DESIGN CHANGE TO THE STEAM GENERATOR MARMON FLANGES.

CONTRARY TO PROCEDURE QCIM-5, "REVIEW OF CONTROLLED WORK PROCEDURES (CWPS)," THE NRC INSPECTOR DETERMINED THAT THE CWPS USED DURING A DESIGN CHANGE TO THE STEAM GENERATOR MARMON FLANGES HAD NOT BEEN REVIEWED AS REQUIRED. CONTRARY TO THE LICENSEE'S ADMINISTRATIVE PROCEDURE G-9, "CONTROLLED WORK PROCEDURE," AND PREVIOUS LICENSEE RESPONSES TO VIOLATIONS 8126-03 AND 8324-01, THE NRC INSPECTOR IDENTIFIED INADEQUATE DESIGN CONTROLS DURING A DESIGN CHANGE TO THE STEAM GENERATOR MARMON FLANGES. CONTRARY TO THE REQUIREMENTS OF IE BULLETIN 80-11, "MASONRY WALL DESIGN," THE NRC INSPECTOR DETERMINED THAT THE LICENSEE'S RESPONSES WERE NOT

ENFORCEMENT SUMMARY

SUBMITTED UNDER OATH OR AFFIRMATION AND DID NOT PROVIDE THE REQUIRED DETAIL.
(8422 1)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

THE LICENSEE IS CONTINUING WITH THEIR CRDM INSPECTION PROGRAM. IDENTIFICATION BY THE LICENSEE OF WATER LEAKAGE INTO A CIRCULATOR INTERSPACE PENETRATION WILL REQUIRE THE REPLACEMENT OF "A" CIRCULATOR PRIOR TO RESTART.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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

LAST IE SITE INSPECTION DATE: JULY 31, 1984

INSPECTION REPORT NO: 50-267/84-20

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE			

=====

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

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWh): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>130,896.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,384.7</u>	<u>98,984.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>56.2</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,316.3</u>	<u>96,827.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,127,040</u>	<u>7,816,968</u>	<u>134,074,337</u>
18. Gross Elec Ener (MWH)	<u>373,434</u>	<u>2,585,999</u>	<u>43,750,370</u>
19. Net Elec Ener (MWH)	<u>355,279</u>	<u>2,457,207</u>	<u>41,483,451</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.6</u>	<u>74.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.6</u>	<u>74.0</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>71.4</u>	<u>69.1*</u>
23. Unit Cap Factor (DER Net)	<u>101.5</u>	<u>71.4</u>	<u>69.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.3</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>296.9</u>	<u>4,099.0</u>

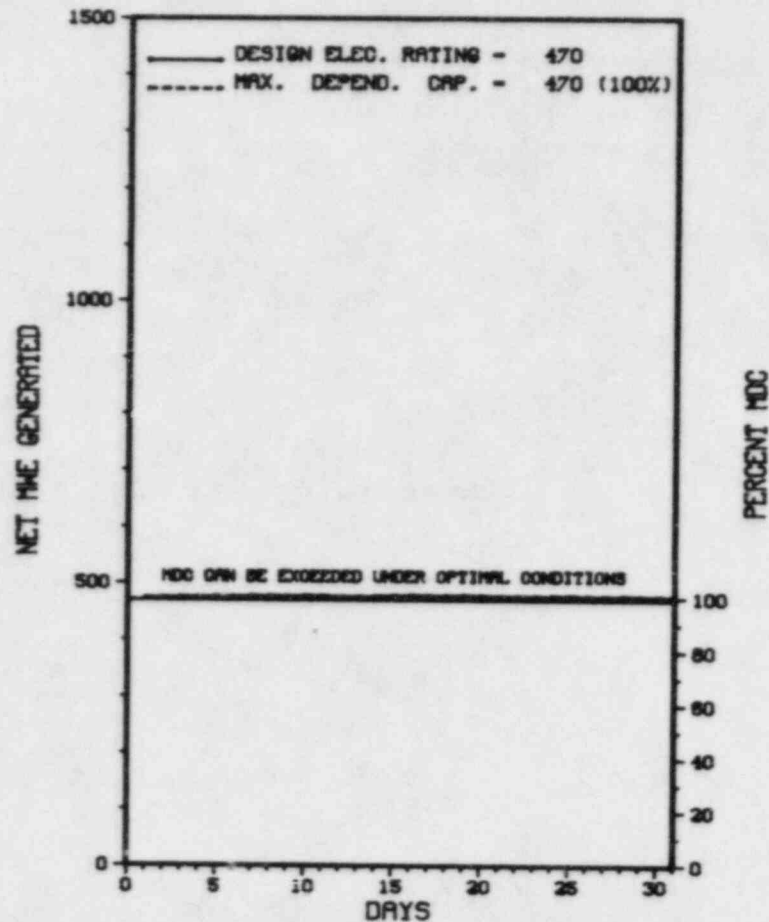
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE: MARCH 2, 1985 - 60 DAYS.

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

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

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

* SUMMARY *

GINNA OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WAYNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI NE OF
ROCHESTER, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 8, 1969
DATE ELEC ENER 1ST GENER...DECEMBER 2, 1969
DATE COMMERCIAL OPERATE....JULY 1, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ROCHESTER GAS & ELECTRIC
CORPORATE ADDRESS.....89 EAST AVENUE
ROCHESTER, NEW YORK 14604
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. COOK
LICENSING PROJ MANAGER.....G. DICK
DOCKET NUMBER.....50-244
LICENSE & DATE ISSUANCE....DPR-18, SEPTEMBER 19, 1969
PUBLIC DOCUMENT ROOM.....ROCHESTER PUBLIC LIBRARY
BUSINESS AND SOCIAL SCIENCE DIVISION
115 SOUTH AVENUE
ROCHESTER, NEW YORK 14604

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO THE REQUIREMENTS OF 10 CFR 50, APPENDIX B, CRITERION XVI AND THE LICENSEE'S QUALITY ASSURANCE MANUAL SECTION 16, DEFICIENCIES WERE IDENTIFIED BUT NOT DOCUMENTED, EVALUATED, OR CORRECTED.

(8107 4)

PORC QUORUM REQUIREMENTS AS SPECIFIED IN T.S. 6.5.1.5 NOT MET. CONTRARY TO THE REQUIREMENTS OF T.S. 6.8.2, PROCEDURE PT-13.1.15 WAS USED PRIOR TO ITS APPROVAL.
(8407 5)

OTHER ITEMS

1. Docket: 50-416 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: J. G. CESARE (601) 969-2585

4. Licensed Thermal Power (MWt): 3833

5. Nameplate Rating (Gross MWe): 1372

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1250

8. Maximum Dependable Capacity (Net MWe): 1250

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

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

11. Reasons for Restrictions, If Any: _____

NONE

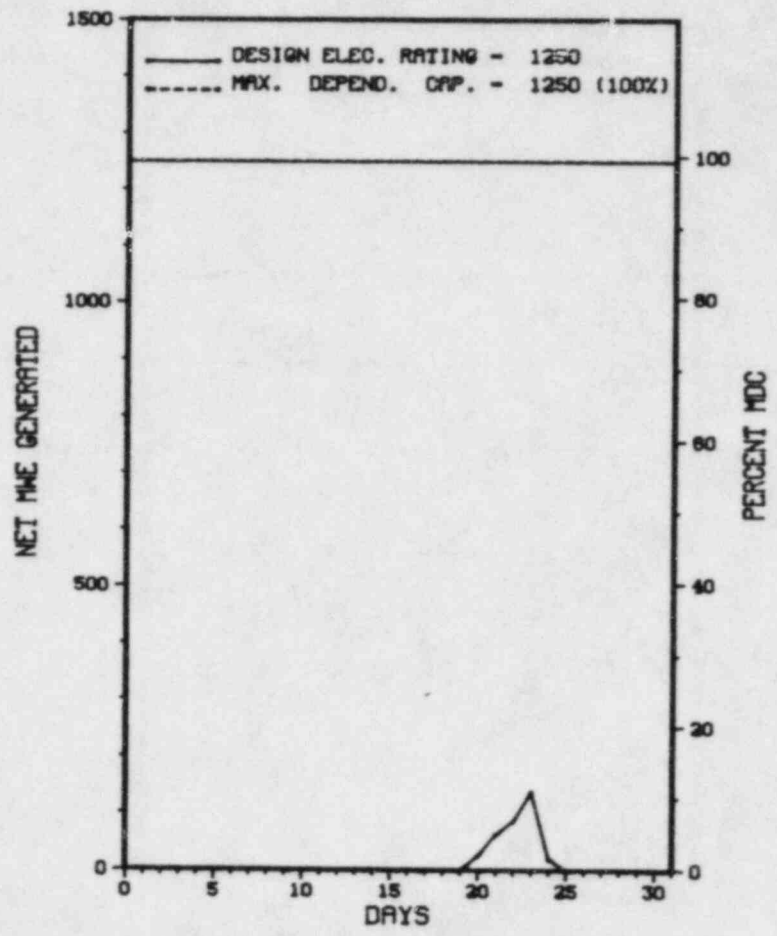
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>273.0</u>	<u>273.0</u>	<u>273.0</u>
13. Hours Reactor Critical	<u>214.1</u>	<u>214.1</u>	<u>214.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>69.2</u>	<u>69.2</u>	<u>69.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>150,367</u>	<u>150,367</u>	<u>150,367</u>
18. Gross Elec Ener (MWH)	<u>9,640</u>	<u>9,640</u>	<u>9,640</u>
19. Net Elec Ener (MWH)	<u>7,935</u>	<u>7,935</u>	<u>7,935</u>
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	<u>15.6</u>	<u>15.6</u>	<u>15.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE: APRIL, 1985 4-6 WEEK OUTAGE

27. If Currently Shutdown Estimated Startup Date: 12/18/84

 * GRAND GULF *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 GRAND GULF 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-1	10/21/84	F	8.4	B	2		ZZ	ZZZZZZ	MAIN GENERATOR TESTING AND MAINTENANCE.
84-2	10/21/84	F	0.6	B	2		ZZ	ZZZZZZ	MAIN GENERATOR TESTING AND MAINTENANCE.
84-3	10/22/84	F	6.6	B	2		ZZ	ZZZZZZ	MAIN GENERATOR TESTING AND MAINTENANCE.
84-4	10/24/84	S	129.3	B	2		ZZ	ZZZZZZ	MAIN GENERATOR TESTING AND MAINTENANCE.
84-5	10/29/84	S	58.9	B	2		ZZ	ZZZZZZ	THE REACTOR WAS MANUALLY SCRAMMED TO COMPLETE THE FIRST PHASE OF POWER ASCENSION TESTING. A MAINTENANCE OUTAGE FOLLOWED TO MODIFY THE MAIN STEAM BYPASS TO CONDENSER DUMP SPARGERS FOR IMPROVED DRAINING.

 * SUMMARY *

 GRAND GULF 1 GENERATED INITIAL ELECTRICITY ON OCTOBER 20TH AND OPERATED WITH 5 OUTAGES DURING THE REMAINDER OF OCTOBER.

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

FACILITY DESCRIPTION

LOCATION
STATE.....MISSISSIPPI
COUNTY.....CLAIBORNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
VICKSBURG, MISS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 18, 1982
DATE ELEC ENER 1ST GENER...OCTOBER 20, 1984
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CCHNDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MISSISSIPPI POWER & LIGHT COMPANY
CORPORATE ADDRESS.....P.O. BOX 1640
JACKSON, MISSISSIPPI 39205
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....A. WAGNER
LICENSING PROJ MANAGER.....L. KINTNER
DOCKET NUMBER.....50-416
LICENSE & DATE ISSUANCE...NFF-29, *****
PUBLIC DOCUMENT ROOM.....HINDS JUNIOR COLLEGE
MC LENDON LIBRARY
RAYMOND MISSISSIPPI 39154

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 27 - SEPTEMBER 14 (84-37): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 109 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF ENFORCEMENT FOLLOWUP, OPERATIONAL SAFETY VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, REACTOR SCRAMS, REPORTABLE OCCURRENCES, TECHNICAL SPECIFICATION TRAINING, DESIGN CHANGES, POWER ASCENSION TESTING AND INSPECTOR FOLLOWUP ITEMS. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS: ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (PARAGRAPH 5, FAILURE TO FOLLOW PROCEDURE).

INSPECTION SEPTEMBER 18-26 (84-38): THIS ROTUINE, UNANNOUNCED INSPECTION ENTAILED 38 INSPECTOR-HOURS ON SITE IN THE AREAS OF SERVICE WATER PIPE SUPPORTS (UNIT 1), FRACTURE OF STEAM BYPASS PIPE (UNIT 1), NUCLEAR WELDING (UNIT 2), SAFETY-RELATED PIPING (UNIT 2), SAFETY-RELATED STRUCTURES (UNIT 2), REACTOR VESSEL (UNIT 2), IE BULLETINS (UNITS 1 AND 2), AND 50.55E ITEMS (UNIT 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: J. P. DRAGO (203) 267-2556 X452

4. Licensed Thermal Power (Mwt): 1825

5. Nameplate Rating (Gross MWe): 667 X 0.9 = 600

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 596

8. Maximum Dependable Capacity (Net MWe): 560

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

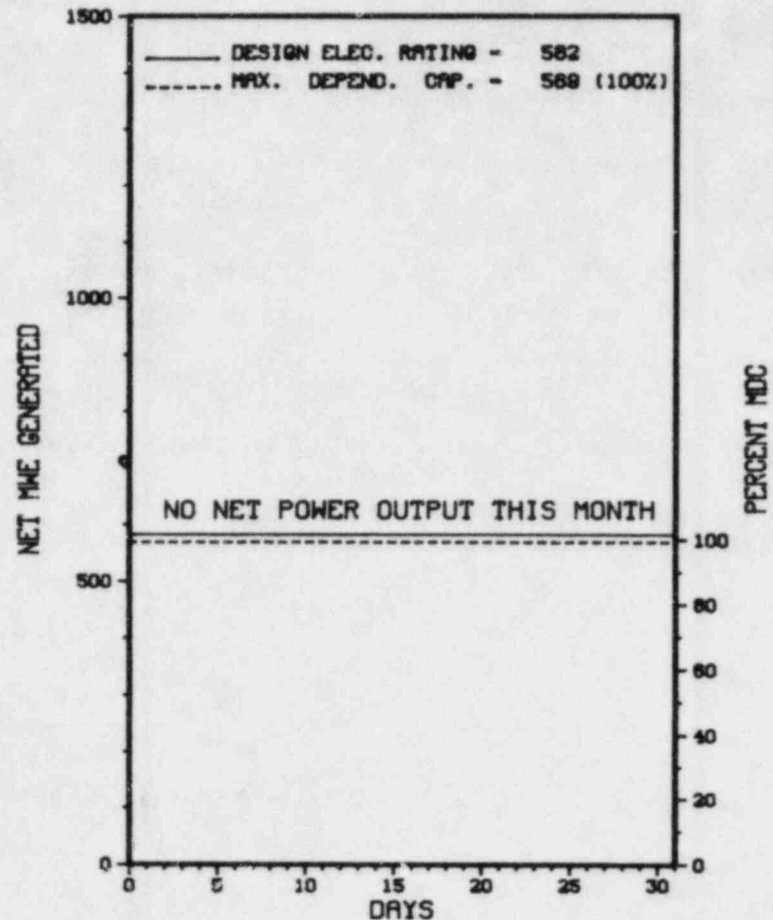
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>147,576.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,121.8</u>	<u>126,323.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,114.3</u>	<u>121,021.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,858,743</u>	<u>210,231,303</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,896,058</u>	<u>69,009,301</u>
19. Net Elec Ener (MWH)	<u>-2,604</u>	<u>2,749,456</u>	<u>65,650,157</u>
20. Unit Service Factor	<u>.0</u>	<u>69.9</u>	<u>82.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>69.9</u>	<u>82.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>66.0</u>	<u>82.6*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>64.5</u>	<u>77.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,158.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
HADDAM NECK



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-01	08/01/84	S	745.0	C	4		RC	FUELXX	CONTINUATION OF CORE XII - XIII REFUELING.

* SUMMARY *

HADDAM NECK (CONNECTICUT YANKEE) CONTINUES REFUELING DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* HADDAM NECK *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....MIDDLESEX
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI E OF
MERIDEN, CONN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 24, 1967
DATE ELEC ENER 1ST GENER...AUGUST 7, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONNECTICUT YANKEE ATOMIC POWER
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....P. SWETLAND
LICENSING PROJ MANAGER.....J. LYONS
DOCKET NUMBER.....50-213
LICENSE & DATE ISSUANCE...DPR-61, DECEMBER 27, 1974
PUBLIC DOCUMENT ROOM.....RUSSELL LIBRARY
123 BROAD STREET
MIDDLETOWN, CONNECTICUT 06457

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPU. PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-321 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: M. G. MCBAY (912) 367-7851

4. Licensed Thermal Power (MWh): 2436

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

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 752

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>77,448.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,638.7</u>	<u>55,144.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,474.8</u>	<u>51,867.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,044,639</u>	<u>109,179,754</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,797,550</u>	<u>35,246,530</u>
19. Net Elec Ener (MWH)	<u>-4,033</u>	<u>3,605,150</u>	<u>33,455,641</u>
20. Unit Service Factor	<u>.0</u>	<u>74.8</u>	<u>67.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>74.8</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>65.5</u>	<u>57.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>63.4</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.0</u>	<u>15.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>967.7</u>	<u>9,577.6</u>

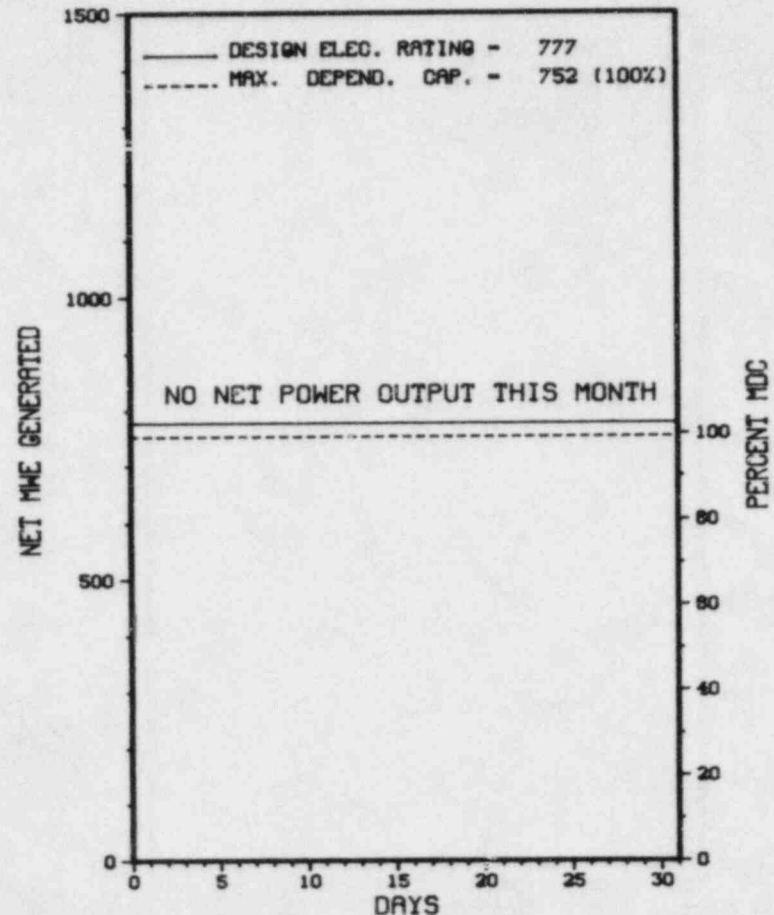
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/25/84

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-72	09/29/84	S	745.0	C	4		RC	FUELXX	UNIT REFUELING OUTAGE IN PROGRESS.

* SUMMARY *

HATCH 1 REMAINS SHUTDOWN FOR REFUELING DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* HATCH 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 12, 1974
DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1974
DATE COMMERCIAL OPERATE...DECEMBER 31, 1975
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....R. HERMANN
DOCKET NUMBER.....50-321
LICENSE & DATE ISSUANCE...DPR-57, OCTOBER 13, 1974
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 27-31 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 47 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS: QA PROGRAM REVIEW; DESIGN CHANGES AND MODIFICATIONS; PROCUREMENT, RECEIVING, AND STORAGE; AUDITS; SURVEILLANCE TESTING AND CALIBRATION CONTROL; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE AREAS INSPECTED, NO VIOLATIONS/DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA - FAILURE TO ISSUE AUDITS WITHIN TECHNICAL SPECIFICATION REQUIRED TIMEFRAME.

INSPECTION AUGUST 21 - SEPTEMBER 20 (84-34): THIS INSPECTION INVOLVED 92 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES.

INSPECTION SEPTEMBER 12-17 (84-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE EMERGENCY PREPAREDNESS AREAS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 25-27 (84-39): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 9 INSPECTOR-HOURS ON SITE (ONE HOUR ON BACKSHIFT) INSPECTING: CHANGES IN THE PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREA; PHYSICAL BARRIERS-VITAL AREAS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; AND ALARM STATIONS. ONE VIOLATION WAS IDENTIFIED - TESTING AND MAINTENANCE-INADEQUATE PROCEDURE FOR TESTING PROTECTED AREA INTRUSION DETECTION SYSTEM.

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-009	06/09/84	07/09/84	APRM 15% FLUX SCRAM TEST NOT PERFORMED WITHIN 24 HOURS OF STARTUP.
84-010	08/20/84	09/19/84	THE HIGH AMBIENT TEMPERATURE IN THE RWCU ROOM WAS REDUCED.
84-018	08/24/84	09/24/84	NUMEROUS FIRE BARRIER PENETRATION SEALS FOR UNITS 1 AND 2 WERE NOT FUNCTIONAL AS REQUIRED BY T.S. 3.13.6.

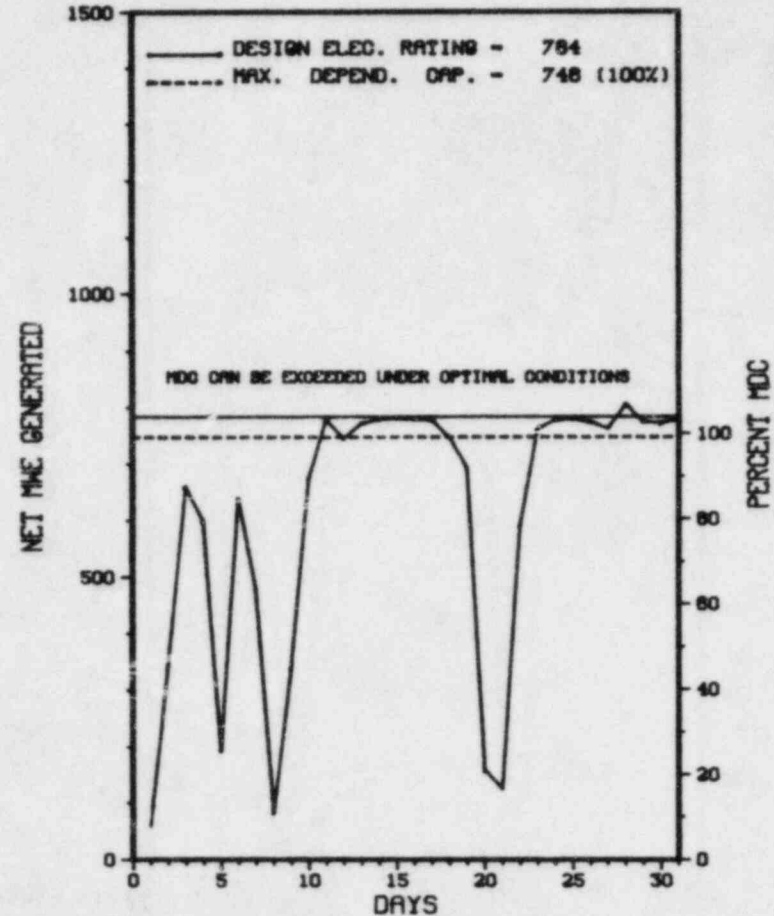
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1. Docket: 50-366 OPERATING STATUS
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: M. G. MCBAY (912) 367-7851
4. Licensed Thermal Power (MWT): 2436
5. Nameplate Rating (Gross MWe): 1000 X 0.85 = 850
6. Design Electrical Rating (Net MWe): 784
7. Maximum Dependable Capacity (Gross MWe): 804
8. Maximum Dependable Capacity (Net MWe): 748
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE
- | | MONTH | YEAR | CUMULATIVE |
|-------------------------------|------------------|------------------|-------------------|
| 12. Report Period Hrs | <u>745.0</u> | <u>7,320.0</u> | <u>45,217.0</u> |
| 13. Hours Reactor Critical | <u>718.5</u> | <u>1,777.9</u> | <u>29,016.8</u> |
| 14. Rx Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 15. Hrs Generator On-Line | <u>680.0</u> | <u>1,554.3</u> | <u>27,487.2</u> |
| 16. Unit Reserve Shtdwn Hrs | <u>.0</u> | <u>.0</u> | <u>.0</u> |
| 17. Gross Therm Ener (MWH) | <u>1,424,093</u> | <u>3,139,311</u> | <u>58,705,607</u> |
| 18. Gross Elec Ener (MWH) | <u>472,390</u> | <u>1,027,810</u> | <u>19,333,160</u> |
| 19. Net Elec Ener (MWH) | <u>450,751</u> | <u>958,215</u> | <u>18,376,457</u> |
| 20. Unit Service Factor | <u>91.3</u> | <u>21.2</u> | <u>60.8</u> |
| 21. Unit Avail Factor | <u>91.3</u> | <u>21.2</u> | <u>60.8</u> |
| 22. Unit Cap Factor (MDC Net) | <u>80.9</u> | <u>17.5</u> | <u>54.3</u> |
| 23. Unit Cap Factor (DER Net) | <u>77.2</u> | <u>16.7</u> | <u>51.8</u> |
| 24. Unit Forced Outage Rate | <u>8.7</u> | <u>7.8</u> | <u>11.5</u> |
| 25. Forced Outage Hours | <u>65.0</u> | <u>131.2</u> | <u>3,557.0</u> |
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: N/A

 * HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-17	10/01/84	F	13.6	A	3		HC	XXXXXX	REACTOR SCRAM ON LOSS OF CONDENSER VACUUM.
84-18	10/01/84	F	0.0	A	5		CH	VALVEX	REPAIR EXT. VALVE TO 4TH STAGE FEEDWATER HEATER & INVESTIGATING PROBLEM WITH RSCS.
84-19	10/02/84	S	0.0	B	5		CH	VALVEX	INCREASING POWER BACK TO RATED ON PRECONDITIONING RAMP.
84-20	10/04/84	F	15.5	A	3		HH	HTEXCH	REACTOR SCRAM ON MSR HI LEVEL.
84-21	10/05/84	S	0.0	B	5		HH	HTEXCH	INCREASING LOAD BACK TO RATED.
84-22	10/07/84	F	13.5	A	3		HH	HTEXCH	REACTOR SCRAM ON MSR HI LEVEL.
84-23	10/08/84	S	0.0	A	5		HH	HTEXCH	HOLDING LOAD FOR MSR TESTING AND PRECONDITIONING RAMP TO RATED.
84-24	10/12/84	F	0.0	A	5		CB	PUMPXX	LOAD REDUCTION DUE TO 'B' RECIRC PUMP RUNNING TO 100% SPEED.
84-25	10/13/84	S	0.0	F	5		HA	TURBIN	LOAD REDUCTION FOR TURBINE TEST AND ROD PATTERN ADJUSTMENT.
84-26	10/18/84	F	0.0	A	5		HC	XXXXXX	LOAD REDUCTION DUE TO CONDENSER VACUUM PROBLEMS.
84-27	10/21/84	F	22.4	A	3		HC	XXXXXX	REACTOR SCRAM ON LOW LEVEL DUE TO THE PROBLEMS WITH CONDENSER VACUUM.
84-28	10/21/84	S	0.0	B	5		HC	XXXXXX	SCRAM RECOVERY TESTING CONDENSER VACUUM BEING OBSERVED.
84-29	10/27/84	S	0.0	B	5		SH	VALVEX	SRV VALVE TESTING BEING PERFORMED.

 * SUMMARY *

 HATCH 2 OPERATED ROUTINELY DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* HATCH 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....GEORGIA
COUNTY.....APPLING
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI N OF
BAXLEY, GA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 4, 1978
DATE ELEC ENER 1ST GENER...SEPTEMBER 22, 1978
DATE COMMERCIAL OPERATE...SEPTEMBER 5, 1979
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GEORGIA POWER
CORPORATE ADDRESS.....333 PIEDMONT AVENUE
ATLANTA, GEORGIA 30308
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....GEORGIA POWER CO.
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....R. HERMANN
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
301 CITY HALL DRIVE
BAXLEY, GEORGIA 31563

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 27-31 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 47 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; BWR RECIRCULATION PIPING REPLACEMENT; DESIGN CHANGES AND MODIFICATIONS; PROCUREMENT, RECEIVING, AND STORAGE; VERIFICATION OF AS-BUILTS FOR BWR RECIRCULATION PIPING MODIFICATION; AUDITS; SURVEILLANCE TESTING AND CALIBRATION CONTROL; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE NINE AREAS INSPECTED, NO VIOLATIONS/DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA - FAILURE TO ISSUE AUDITS WITHIN TECHNICAL SPECIFICATION REQUIRED TIMEFRAME.

INSPECTION AUGUST 21 - SEPTEMBER 20 (84-34): THIS INSPECTION INVOLVED 92 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, REFUELING, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW PROCEDURES.

INSPECTION SEPTEMBER 12-17 (84-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE EMERGENCY PREPAREDNESS AREAS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 25-27 (84-39): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 9 INSPECTOR-HOURS ON SITE (ONE HOUR ON BACKSHIFT) INSPECTING: CHANGES IN THE PHYSICAL SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION-PERSONNEL; SECURITY ORGANIZATION-RESPONSE; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED AREA; PHYSICAL BARRIERS-VITAL AREAS; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS-PROTECTED AREA; DETECTION AIDS-VITAL AREAS; AND ALARM STATIONS. ONE


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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007	09/08/84	10/05/84	ESF ACTUATION DUE TO HIGH DIFFERENTIAL TEMPERATURE IN RWCU ROOM. THE CAUSE OF THIS EVENT IS AN INBOARD SEAL LEAK.
84-013	08/12/84	09/10/84	SAMPLE LINE'S VALVE WOULD NOT OPERATE, DUE TO THE VALVE'S PACKING BINDING AGAINST THE STEM.
84-014	08/11/84	09/10/84	REACTOR RECIRCULATION PUMP AUTO TRIP RELAYS REMOVED FROM THE IR SOCKETS, DUE TO PERSONNEL ERROR.
84-015	08/14/84	09/10/84	SURVEILLANCE REQUIRED BY T.S. 4.7.8.B NOT PERFORMED, DUE TO PERSONNEL ERROR.
84-016	08/15/84	09/10/84	HNP-6907 TESTING DATA PACKAGE INCORRECTLY COMPLETED IN REGARDS TO PROPER VALVE ALIGNMENT, DUE TO PERSONNEL ERROR.
84-019	09/24/84	10/12/84	RWCU ISOLATION FROM ATTS TRIP UNIT. THE FAILURE OF MASTER TRIP UNITS WAS THE CAUSE OF THESE EVENTS.
84-020	08/21/84	09/20/84	ACTUATION OCCURRED BECAUSE LINKS WERE OPENED WHEN THE TURBINE WAS OFF LINE.
84-021	09/21/84	10/12/84	UNPLANNED REACTOR SCRAM DUE TO A NITROGEN LEAK ON THE PNEUMATIC SYSTEM SOLENOID VALVE.
84-027	08/30/84	09/28/84	MISPOSITIONED INSTRUMENT VALVES, THE MISPOSITIONING OF THE VALVES ON THE FOUR PRESSURE TRANSMITTERS WAS THE RESULT OF PERSONNEL ERROR.
84-028	09/01/84	09/28/84	SURVEILLANCE PERFORMED AT THE INCORRECT FREQUENCY, A CONFIRMATORY ORDER DATED 07/08/83 WHICH REQUIRES A GRAB SAMPLE FREQUENCY OF EVERY 4 HOURS

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1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: MIKE BLATT (914) 526-5127

4. Licensed Thermal Power (MWt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 400

8. Maximum Dependable Capacity (Net MWe): 864

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC GROSS & NET - WINTER RATINGS.

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>90,625.0</u>
13. Hours Reactor Critical	<u>317.8</u>	<u>3,546.4</u>	<u>57,494.0</u>
14. Rx Reserve Shtdwn Hrs	<u>18.7</u>	<u>18.7</u>	<u>2,137.8</u>
15. Hrs Generator On-Line	<u>224.9</u>	<u>3,429.6</u>	<u>57,625.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>415,487</u>	<u>8,643,715</u>	<u>149,684,214</u>
18. Gross Elec Ener (MWH)	<u>118,840</u>	<u>2,698,370</u>	<u>46,355,946</u>
19. Net Elec Ener (MWH)	<u>101,637</u>	<u>1,965,766</u>	<u>43,592,858</u>
20. Unit Service Factor	<u>30.2</u>	<u>46.9</u>	<u>63.6</u>
21. Unit Avail Factor	<u>30.2</u>	<u>46.9</u>	<u>63.6</u>
22. Unit Cap Factor (MDC Net)	<u>15.8</u>	<u>31.4</u>	<u>56.8*</u>
23. Unit Cap Factor (DER Net)	<u>15.6</u>	<u>30.8</u>	<u>55.1</u>
24. Unit Forced Outage Rate	<u>13.8</u>	<u>12.8</u>	<u>9.6</u>
25. Forced Outage Hours	<u>35.9</u>	<u>502.4</u>	<u>5,878.6</u>

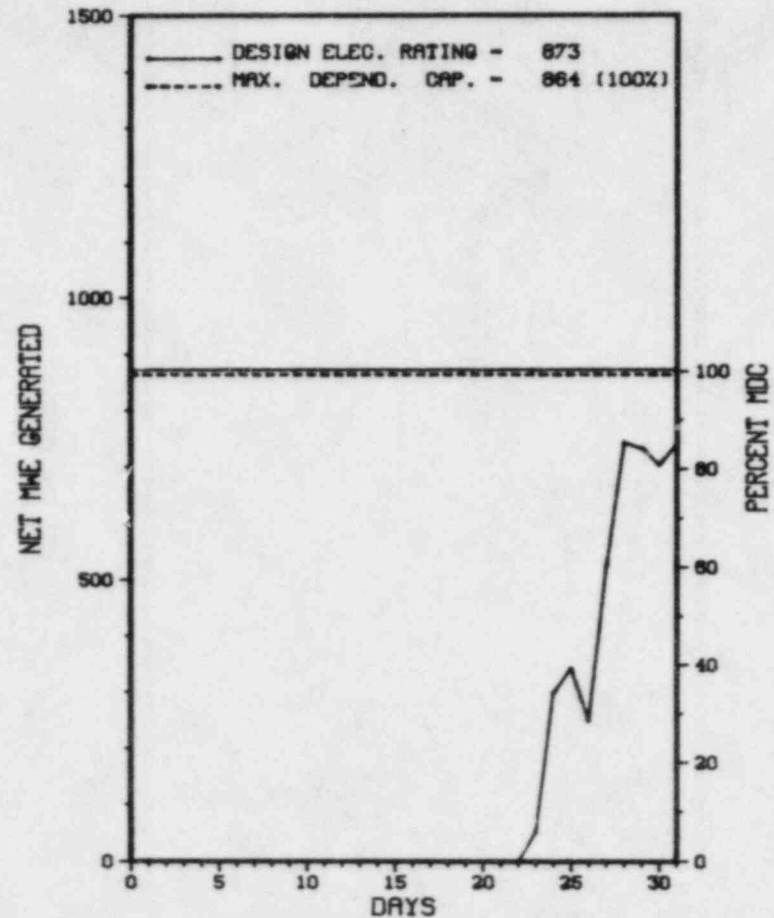
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	06/02/84	S	484.2	C	4		XX	XXXXXX	CYCLE 6/7 REFUELING OUTAGE CONTINUED FROM SEPTEMBER.
5	10/22/84	F	35.9	H	2		HJ	TURBIN	FIRE ON H.P. TURBINE LOGGING.

* SUMMARY *

INDIAN POINT 2 RETURNED ONLINE OCTOBER 23RD AND OPERATED ROUTINELY THE REMAINDER OF THE MONTH.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....CONSOLIDATED EDISON
CORPORATE ADDRESS.....4 IRVING PLACE
NEW YORK, NEW YORK 10003
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....P. KOLTAY
LICENSING PROJ MANAGER....D. NEIGHBORS
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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TITLE 10 OF THE CODE OF FEDERAL REGULATIONS, PART 20, SECTION 201 REQUIRES THAT THE LICENSEE MAKE SURVEYS AS MAY BE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE RADIATION HAZARDS THAT ARE PRESENT. TECHNICAL SPECIFICATION, SECTION 6.12.1 REQUIRES THAT INDIVIDUALS ENTERING HIGH RADIATION AREAS BE PROVIDED WITH RADIATION MONITORING DEVICES WHICH CONTINUOUSLY INDICATE THE RADIATION DOSE RATE IN THE AREA. CONTRARY TO THE ABOVE, ON MARCH 26, 1984, DURING AN INSPECTION WITHIN HIGH RADIATION AREAS INSIDE THE REACTOR CONTAINMENT BUILDING, MEMBERS OF THE INSPECTION PARTY ACCESSED HIGH RADIATION AREAS WITHOUT THE BENEFIT OF INSTRUMENTS WHICH CONTINUOUSLY INDICATE THE RADIATION DOSE RATE IN THE AREA, AND WITHOUT THE BENEFIT OF RADIOLOGICAL SURVEYS FOR THE SPECIFIC AREAS INSPECTED.

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTIONS 5.1 AND 5.3 OF ANSI N18.7-1972 AND APPENDIX A OF REGULATORY GUIDE 1.33. SECTION G.5.A OF APPENDIX A TO REGULATORY GUIDE 1.33 REQUIRES THAT WRITTEN PROCEDURES BE PROVIDED ADDRESSING RESTRICTIONS AND ACTIVITIES IN HIGH RADIATION AREAS. STATION ADMINISTRATIVE ORDER, SAO 134, REV. 0, "HIGH RADIATION EXPOSURE TASKS" REQUIRES THE LICENSEE TO ENSURE THAT TASKS PERFORMED IN HIGH RADIATION AREAS ARE PROPERLY PLANNED AND UNDERSTOOD,

ENFORCEMENT SUMMARY

THAT A PROCEDURE IS PREPARED FOR THE WORK, AND PERSONNEL ARE BRIEFED PRIOR TO ENTERING HIGH RADIATION AREAS. CONTRARY TO THE ABOVE, AN INSPECTION OF THE REACTOR CONTAINMENT BUILDING (A HIGH RADIATION AREA) WAS CONDUCTED ON MARCH 26, 1984, WITHOUT THE BENEFIT OF A PRE-INSPECTION PLAN AND/OR BRIEFING, AND SEVERAL TASKS ACCOMPLISHED DURING THE ENTRY WERE EXCLUSIVE OF THE WORK PROCEDURE.
(8408 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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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: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

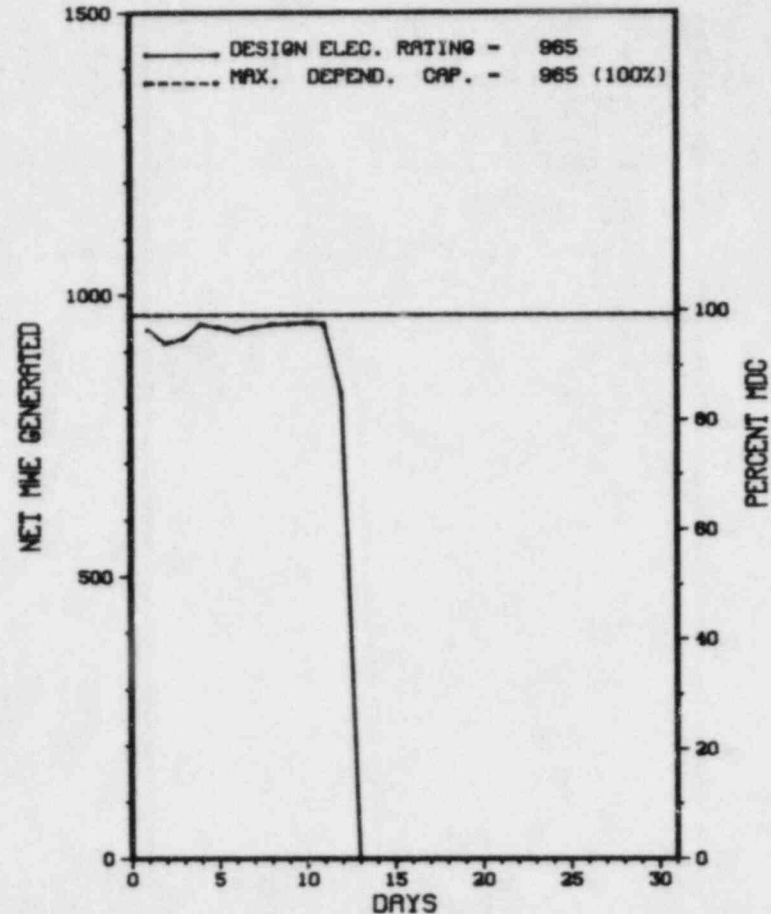
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>71,641.0</u>
13. Hours Reactor Critical	<u>289.6</u>	<u>6,111.1</u>	<u>40,535.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>289.2</u>	<u>5,884.8</u>	<u>39,027.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>854,982</u>	<u>16,957,245</u>	<u>101,327,081</u>
18. Gross Elec Ener (MWH)	<u>278,120</u>	<u>5,518,715</u>	<u>31,885,326</u>
19. Net Elec Ener (MWH)	<u>268,068</u>	<u>5,313,121</u>	<u>30,557,299</u>
20. Unit Service Factor	<u>38.8</u>	<u>80.4</u>	<u>54.5</u>
21. Unit Avail Factor	<u>38.8</u>	<u>80.4</u>	<u>54.5</u>
22. Unit Cap Factor (MDC Net)	<u>37.3</u>	<u>75.2</u>	<u>44.2</u>
23. Unit Cap Factor (DER Net)	<u>37.3</u>	<u>75.2</u>	<u>44.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.9</u>	<u>22.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>870.3</u>	<u>11,067.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/24/84

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
INDIAN POINT 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	10/13/84	S	455.8	B	1	84-014	HJ	HTEXCH	UNIT REMOVED FROM SERVICE FOR MID CYCLE STEAM GENERATOR INSPECTION.

* SUMMARY *

INDIAN POINT 3 SHUTDOWN ON OCTOBER 12TH FOR MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* INDIAN POINT 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 6, 1976
DATE ELEC ENER 1ST GENER...APRIL 27, 1976
DATE COMMERCIAL OPERATE...AUGUST 30, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....POWER AUTHORITY OF STATE OF N.Y.
CORPORATE ADDRESS.....10 COLUMBUS CIRCLE
NEW YORK, NEW YORK 10019
CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....WESTINGHOUSE DEVELOPMENT CORP
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. KENNY
LICENSING PROJ MANAGER....D. NEIGHBORS
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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1984

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

* INDIAN POINT 3 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: G. RUITER (414) 388-2560 X207

4. Licensed Thermal Power (Mwt): 1650

5. Nameplate Rating (Gross MWe): 622 X 0.9 = 560

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 529

8. Maximum Dependable Capacity (Net MWe): 503

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

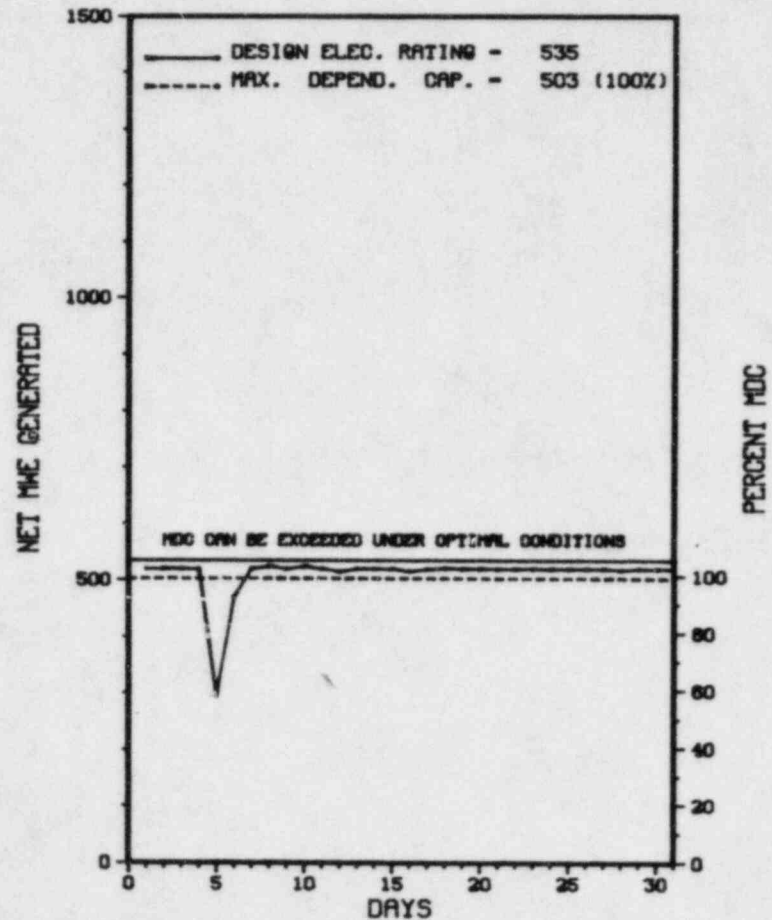
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>90,985.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,106.5</u>	<u>77,286.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,064.4</u>	<u>75,876.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,205,018</u>	<u>9,690,277</u>	<u>118,661,363</u>
18. Gross Elec Ener (MWH)	<u>399,900</u>	<u>3,200,800</u>	<u>39,058,900</u>
19. Net Elec Ener (MWH)	<u>380,555</u>	<u>3,047,555</u>	<u>37,179,591</u>
20. Unit Service Factor	<u>100.0</u>	<u>82.8</u>	<u>83.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>82.8</u>	<u>83.4</u>
22. Unit Cap Factor (MDC Net)	<u>101.6</u>	<u>82.8</u>	<u>78.7*</u>
23. Unit Cap Factor (DER Net)	<u>95.5</u>	<u>77.8</u>	<u>76.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>3.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>15.7</u>	<u>2,745.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING SHUTDOWN: FEBRUARY 15, 1985, 8 WEEKS

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

* KEWAUNEE *

AVFRAGE DAILY POWER LEVEL (MWe) PLOT
KEWAUNEE



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * KEWAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	10/05/84	S	0.0	B	5		EA	ELECON	UNIT LOAD WAS REDUCED TO 52%, 267 MEW GROSS, TO PERMIT MAINTENANCE ON OFF-SITE TRANSMISSION SYSTEM LINE. Y-311. THE UNIT WAS RETURNED TO FULL POWER ON 10/6/84.

 * SUMMARY *

 KEWAUNEE OPERATED WITH 1 REDUCTION DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* Kewaunee *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....KEWAUNEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...27 MI E OF
GREEN BAY, WI.
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1974
DATE ELEC ENER 1ST GENER...APRIL 8, 1974
DATE COMMERCIAL OPERATE...JUNE 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN PUBLIC SERVICE
CORPORATE ADDRESS.....P.O. BOX 19002
GREEN BAY, WISCONSIN 54307
CONTRACTOR
ARCHITECT/ENGINEER.....PIONEER SERVICES & ENGINEERING
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....PIONEER SERVICES & ENGINEERING
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. NELSON
LICENSING PROJ MANAGER.....M. FAIRTILE
DOCKET NUMBER.....50-305
LICENSE & DATE ISSUANCE...DPR-43, DECEMBER 21, 1973
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF WISCONSIN
LIBRARY LEARNING CENTER
2420 NICOLET DRIVE
GREEN BAY, WISCONSIN 54301

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

INSPECTION SUMMARY

NO INSPECTION SUMMARIES FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-409 OPERATING STATUS

 * LA CROSSE *

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

AVERAGE DAILY POWER LEVEL (MWe) PLOT

3. Utility Contact: L. S. GOODMAN (608) 689-2331

LA CROSSE

4. Licensed Thermal Power (Mwt): 165

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

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

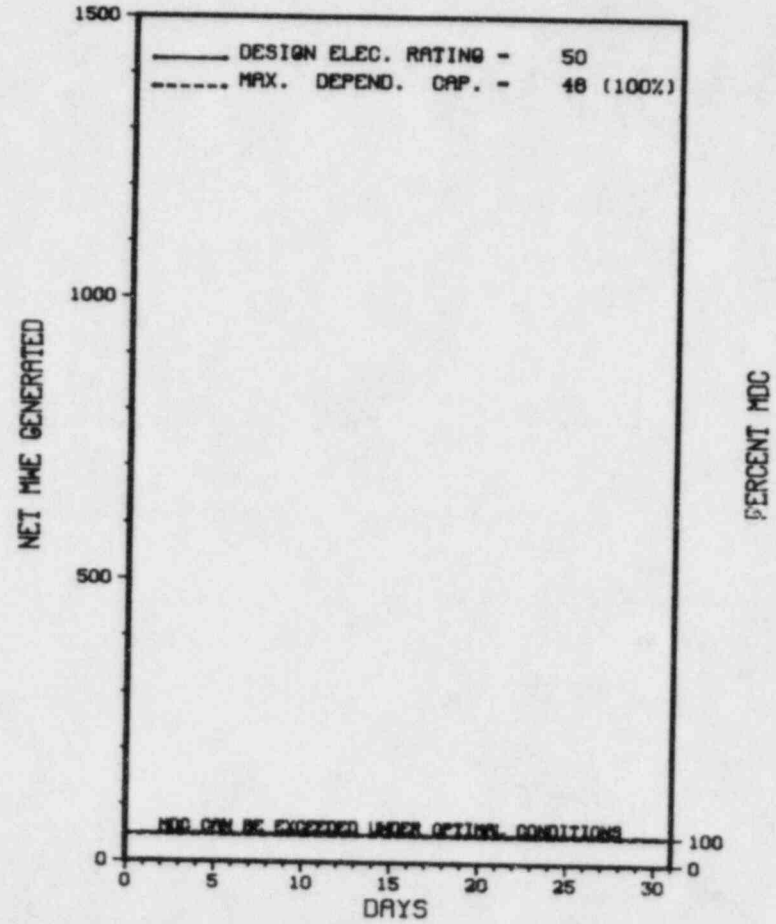
10. Power Level To Which Restricted, If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>131,499.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,006.3</u>	<u>86,750.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,687.5</u>	<u>80,523.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>121,693</u>	<u>857,048</u>	<u>11,139,352</u>
18. Gross Elec Ener (MWH)	<u>39,482</u>	<u>272,421</u>	<u>3,329,649</u>
19. Net Elec Ener (MWH)	<u>37,435</u>	<u>256,293</u>	<u>3,083,528</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.7</u>	<u>61.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.7</u>	<u>61.3</u>
22. Unit Cap Factor (MDC Net)	<u>104.7</u>	<u>72.9</u>	<u>48.9</u>
23. Unit Cap Factor (DER Net)	<u>100.5</u>	<u>70.0</u>	<u>46.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>20.0</u>	<u>10.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,426.3</u>	<u>8,269.6</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, MARCH 1, 1985, 6 WEEKS

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



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

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

NONE

***** LACROSSE OPERATED ROUTINELY DURING OCTOBER.
* SUMMARY *

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* LA CROSSE *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....DAIRYLAND POWER
CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS
CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY
TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WIEBE
LICENSING PROJ MANAGER.....R. DUDLEY
DOCKET NUMBER.....50-409
LICENSE & DATE ISSUANCE...DPR-45, AUGUST 28, 1973
PUBLIC DOCUMENT ROOM.....LA CROSSE PUBLIC LIBRARY
800 MAIN STREET
LA CROSSE, WISCONSIN 54601

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

INSPECTION SUMMARY

INSPECTION ON JULY 16 THROUGH SEPTEMBER 15, (84-09): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE, SURVEILLANCE, LICENSEE EVENT REPORTS, SPECIAL REPORTS, RADIOACTIVE EFFLUENT REPORT, SYSTEMATIC EVALUATION PROGRAM, TMI ACTION ITEMS, AND CONTROL ROD CRACKS. THE INSPECTION INVOLVED A TOTAL OF 163 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING A TOTAL OF 39 INSPECTOR-HOURS ONSITE DURING BACKSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE NOTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>7,320.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,377.2</u>	<u>5,377.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,164.9</u>	<u>1,164.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,193.7</u>	<u>5,193.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>20,717,727</u>	<u>20,717,727</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,739,789</u>	<u>4,739,789</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,512,808</u>	<u>4,512,808</u>
20. Unit Service Factor	<u>.0</u>	<u>71.0</u>	<u>71.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>71.0</u>	<u>71.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>57.4</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>57.2</u>	<u>57.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.1</u>	<u>17.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,073.1</u>	<u>1,073.1</u>

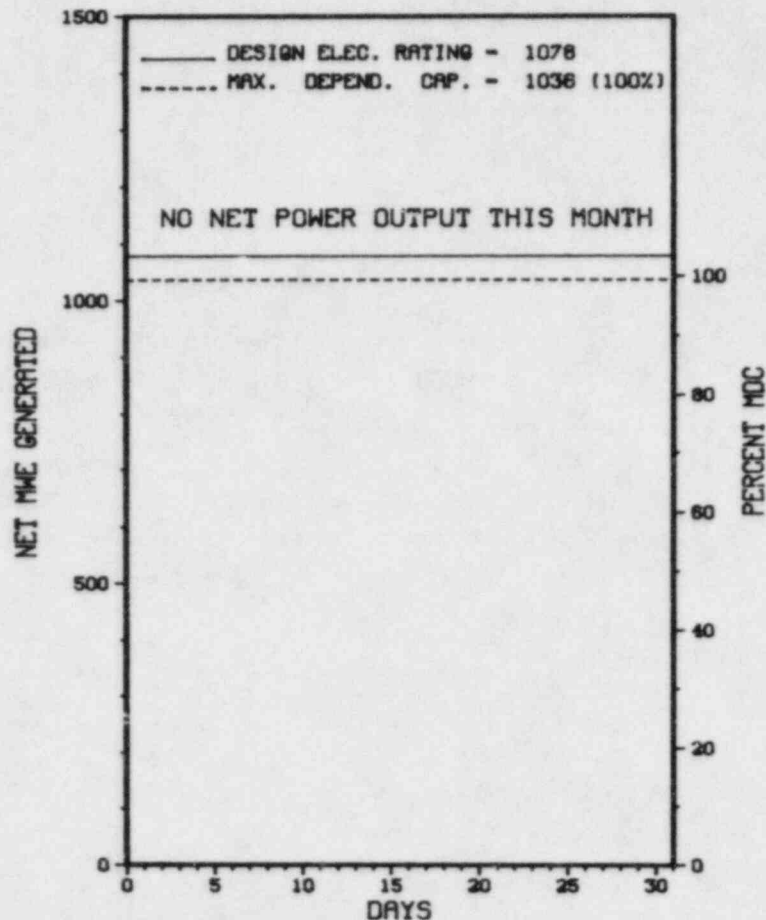
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/21/84

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
20	09/29/84	S	745.0	H	4				CONTINUATION OF MAINTENANCE OUTAGE.

* SUMMARY *

LASALLE 1 CONTINUES A SHUTDOWN FOR MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* LASALLE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 21, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 4, 1982
DATE COMMERCIAL OPERATE...JANUARY 1, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-373
LICENSE & DATE ISSUANCE...NPF-11, AUGUST 13, 1982
PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 16348

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

INSPECTION SUMMARY

INSPECTION ON JULY 31 THROUGH SEPTEMBER 14, (84-20): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; FOLLOWUP ON REGIONAL REQUESTS; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

MEETING ON SEPTEMBER 7, 1984 (84-22): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING.

INSPECTION ON AUGUST 12 THROUGH SEPTEMBER 11, (84-23): SPECIAL INSPECTION BY THE RESIDENT INSPECTORS OF ACTIVITIES SURROUNDING THE VIOLATION OF THE TECHNICAL SPECIFICATION 3.6.1.8 ACTION STATEMENT. THE DRYWELL PURGING SYSTEM WAS OPERATED FOR 2 1/2 HOURS MORE THAN THE ALLOWABLE TIME PERIOD AND SEVERAL OTHER PERSONNEL ERRORS OCCURRED OVER A SHORT PERIOD OF TIME. THE INSPECTION INVOLVED A TOTAL OF 116 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (ONE FOR TECHNICAL SPECIFICATION VIOLATION - PARAGRAPH 1.A, AND THREE FOR FAILURE TO FOLLOW PROCEDURES WITH SEVERAL EXAMPLES.

Report Period OCT 1984

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

* LASALLE 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR A MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 30 - DECEMBER 3, 1984

INSPECTION REPORT NO: 84-29

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NUMBER   DATE OF   DATE OF   SUBJECT
EVENT    REPORT
-----
84-51    08/29/84  09/21/84  UNIT 1 SRV'S LIFTING
84-52    09/15/84  09/26/84  REACTOR WATER CLEANUP ISOLATION ON HIGH DIFFERENTIAL TEMPERATURE
84-53    09/16/84  10/05/84  REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION
84-54    09/21/84  10/15/84  RCIC INOPERABLE AND STEAM LINE ISOLATION
84-55    09/21/84  10/10/84  REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION
84-56    09/21/84  10/11/84  REACTOR SCRAM ON GROUP I ISOLATION
84-57    10/01/84  10/23/84  GROUP I ISOLATION
84-58    10/01/84  10/23/84  INADVERTENT START OF VC/VE EMERGENCY MAKE-UP FILTER TRAIN
84-60    09/29/84  10/24/84  RCIC STEAM LINE DIFFERENTIAL PRESSURE HI SPURIOUS ISOLATION
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1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 312.0

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

4. Licensed Thermal Power (MWt): 3323

5. Nameplate Rating (Gross MWe): 1078

6. Design Electrical Rating (Net MWe): 1078

7. Maximum Dependable Capacity (Gross MWe): 1078

8. Maximum Dependable Capacity (Net MWe): 1036

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>312.0</u>	<u>312.0</u>	<u>312.0</u>
13. Hours Reactor Critical	<u>273.0</u>	<u>273.0</u>	<u>273.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>267.7</u>	<u>267.7</u>	<u>267.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>817,298</u>	<u>817,298</u>	<u>817,298</u>
18. Gross Elec Ener (MWH)	<u>270,373</u>	<u>270,373</u>	<u>270,373</u>
19. Net Elec Ener (MWH)	<u>222,697</u>	<u>222,697</u>	<u>222,697</u>
20. Unit Service Factor	<u>85.8</u>	<u>85.8</u>	<u>85.8</u>
21. Unit Avail Factor	<u>85.8</u>	<u>85.8</u>	<u>85.8</u>
22. Unit Cap Factor (MDC Net)	<u>68.9</u>	<u>68.9</u>	<u>68.9</u>
23. Unit Cap Factor (DER Net)	<u>66.2</u>	<u>66.2</u>	<u>66.2</u>
24. Unit Forced Outage Rate	<u>14.2</u>	<u>14.2</u>	<u>14.2</u>
25. Forced Outage Hours	<u>44.3</u>	<u>44.3</u>	<u>44.3</u>

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

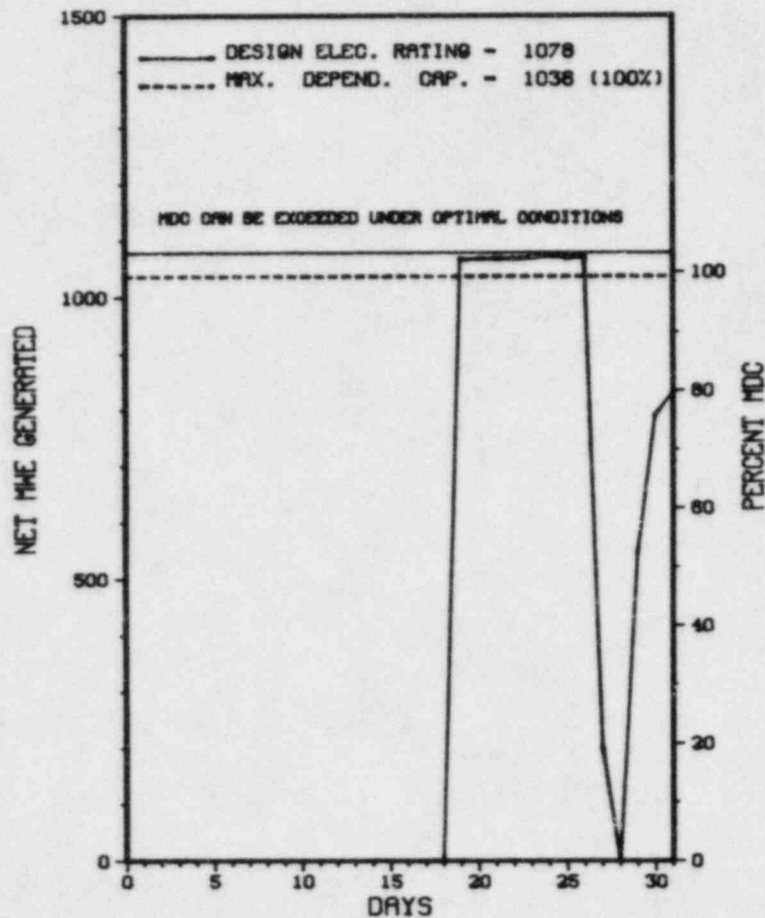
MARCH 1, 1985 FOR MAINTENANCE & SURVEILLANCE.

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

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	10/27/84	F	44.3	A	3			REACTOR SCRAM ON APRM HI-HI ACTUATION CAUSED BY THE REACTOR RECIRC FLOW CONTROL.

* SUMMARY *

LASALLE 2 DECLARED COMMERCIAL OPERATION ON OCTOBER 19, 1984 AND OPERATED ROUTINELY THE REMAINDER OF THE REPORT PERIOD.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* LASALLE 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LA SALLE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...11 MI SE OF
OTTAWA, ILL
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 10, 1984
DATE ELEC ENER 1ST GENER...APRIL 20, 1984
DATE COMMERCIAL OPERATE...OCTOBER 19, 1984
CONDENSER COOLING METHOD...POND
CONDENSER COOLING WATER...RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. JORDAN
LICENSING PROJ MANAGER.....A. BOURNIA
DOCKET NUMBER.....50-374
LICENSE & DATE ISSUANCE...NPF-18, MARCH 23, 1984
PUBLIC DOCUMENT ROOM.....ILLINOIS VALLEY COMMUNITY COLLEGE
RURAL ROUTE NO. 1
OGLESBY, ILLINOIS 16348

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

INSPECTION SUMMARY

INSPECTION ON JULY 31 THROUGH SEPTEMBER 14, (84-26): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY RESIDENT INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MONTHLY SURVEILLANCE; STARTUP TESTING WITNESSING; PLANT TRIPS; FOLLOWUP ON REGIONAL REQUESTS; AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

MEETING ON SEPTEMBER 7, 1984 (84-29): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING.

INSPECTION ON AUGUST 12 THROUGH SEPTEMBER 11, (84-30): SPECIAL INSPECTION BY THE RESIDENT INSPECTORS OF ACTIVITIES SURROUNDING THE VIOLATION OF THE TECHNICAL SPECIFICATION 3.6.1.8 ACTION STATEMENT. THE DRYWELL PURGING SYSTEM WAS OPERATED FOR 2 1/2 HOURS MORE THAN THE ALLOWABLE TIME PERIOD AND SEVERAL OTHER PERSONNEL ERRORS OCCURRED OVER A SHORT PERIOD OF TIME. THE INSPECTION INVOLVED A TOTAL OF 116 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS. FOUR ITEMS OF NONCOMPLIANCE WERE IDENTIFIED (ONE FOR TECHNICAL SPECIFICATION VIOLATION - PARAGRAPH 1.A, AND THREE FOR FAILURE TO FOLLOW PROCEDURES WITH SEVERAL EXAMPLES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT DECLARED COMMERCIAL 10/19/84. OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 30 - DECEMBER 30, 1984

INSPECTION REPORT NO: 84-37

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-57	08/30/84	09/28/84	REACTOR WATER CLEANUP HIGH DIFFERENTIAL FLOW ISOLATION
84-61	08/30/84	09/20/84	REACTOR WATER CLEANUP HIGH DIFFERENTIAL FLOW ISOLATION
84-63	09/01/84	09/24/84	TIME CLOCK EXCEEDED ON RCIC ISOLATION
84-64	09/07/84	09/24/84	REACTOR WATER CLEANUP DIFFERENTIAL FLOW ISOLATION
84-65	09/13/84	10/01/84	REACTOR WATER CLEANUP ISOLATION
84-66	09/02/84	09/28/84	REACTOR WATER CLEANUP ISOLATION
84-67	09/18/84	09/26/84	REACTOR WATER CLEANUP ISOLATION
84-69	09/12/84	10/10/84	GROUP I ISOLATION ON LOW CONDENSER VACUUM

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1. Docket: 50-309 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: V. Y. LEE (207) 623-3521

4. Licensed Thermal Power (Mwt): 2630

5. Nameplate Rating (Gross MWe): 864

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 850

8. Maximum Dependable Capacity (Net MWe): 810

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>105,012.6</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,315.4</u>	<u>83,926.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>721.8</u>	<u>5,173.8</u>	<u>81,253.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,850,772</u>	<u>12,818,615</u>	<u>181,930,403</u>
18. Gross Elec Ener (MWH)	<u>604,810</u>	<u>4,192,830</u>	<u>59,545,980</u>
19. Net Elec Ener (MWH)	<u>585,604</u>	<u>4,051,292</u>	<u>56,752,994</u>
20. Unit Service Factor	<u>96.9</u>	<u>70.7</u>	<u>77.4</u>
21. Unit Avail Factor	<u>96.9</u>	<u>70.7</u>	<u>77.4</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>68.3</u>	<u>68.8*</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>67.1</u>	<u>66.8*</u>
24. Unit Forced Outage Rate	<u>3.1</u>	<u>2.0</u>	<u>7.3</u>
25. For ad Outage Hours	<u>23.2</u>	<u>107.0</u>	<u>5,520.4</u>

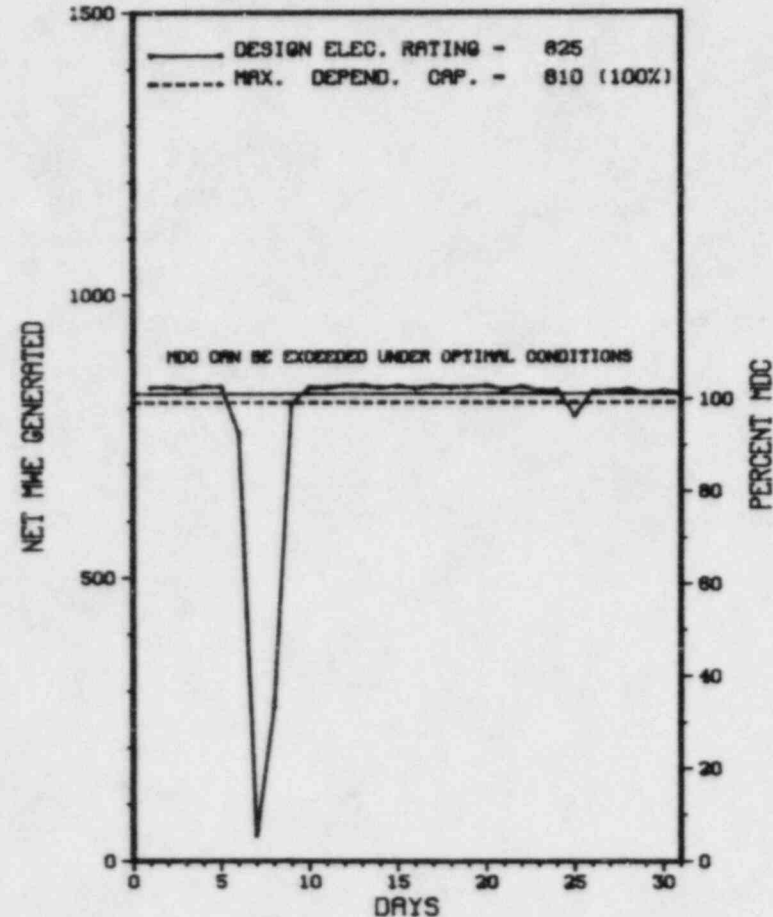
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/06/84	F	23.2	B	2		PC	VALVEX	REPAIR A PACKING LEAK ON CH-48. MAINTAINED THE REACTOR CRITICAL BUT LESS THAN 1% POWER.
	10/24/84	F	0.0	B	5		HF	FILTER	HIGH DIFFERENTIAL PRESSURE ACROSS A TRAVELING WATER SCREEN FOR A CIRCULATING WATER PUMP. BUILD UP OF DEBRIS WAS CAUSED BY A SHEARED PIN ON THE DRIVE MECHANISM. THE PIN WAS REPLACED.

 * SUMMARY *

 MAINE YANKEE OPERATED WITH 1 OUTAGE AND 1 REDUCTION DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* MAINE YANKEE *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MAINE
COUNTY.....LINCOLN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI N OF
BATH, ME
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 23, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 8, 1972
DATE COMMERCIAL OPERATE...DECEMBER 28, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...BACK RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....MAINE YANKEE ATOMIC POWER
CORPORATE ADDRESS.....83 EDISON DRIVE
AUGUSTA, MAINE 04366
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. HOLDEN
LICENSING PROJ MANAGER.....K. HEITNER
DOCKET NUMBER.....50-309
LICENSE & DATE ISSUANCE....DPR-36, JUNE 29, 1973
PUBLIC DOCUMENT ROOM.....WISCASSET PUBLIC LIBRARY
HIGH STREET
WISCASSET, MAINE 04578

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

CONTAINMENT INTEGRITY HAD BEEN COMPROMISED ON FIVE SEPARATE OCCASIONS DURING OCTOBER 12-14, 1983 BECAUSE OF A FAILED SURVEILLANCE TEST.
(8318 3)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-369 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>25,584.0</u>
13. Hours Reactor Critical	<u>647.0</u>	<u>5,450.3</u>	<u>17,978.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>643.2</u>	<u>5,383.1</u>	<u>17,332.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,042,345</u>	<u>17,586,346</u>	<u>45,023,415</u>
18. Gross Elec Ener (MWH)	<u>700,923</u>	<u>6,102,144</u>	<u>15,619,268</u>
19. Net Elec Ener (MWH)	<u>670,003</u>	<u>5,847,016</u>	<u>14,803,271</u>
20. Unit Service Factor	<u>86.3</u>	<u>73.5</u>	<u>67.7</u>
21. Unit Avail Factor	<u>86.3</u>	<u>73.5</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>76.2</u>	<u>67.7</u>	<u>49.0</u>
23. Unit Cap Factor (DER Net)	<u>76.2</u>	<u>67.7</u>	<u>49.0</u>
24. Unit Forced Outage Rate	<u>13.7</u>	<u>5.5</u>	<u>16.4</u>
25. Forced Outage Hours	<u>101.8</u>	<u>316.2</u>	<u>3,401.7</u>

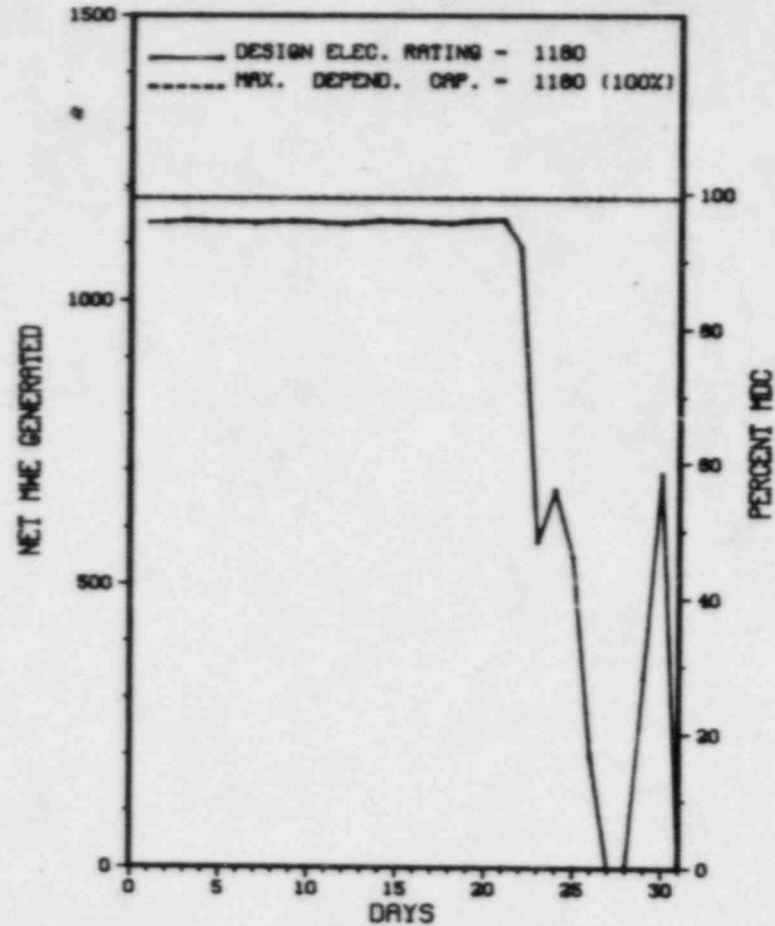
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE OUTAGE - NOVEMBER 24, 1984 - 4 WEEKS.

27. If Currently Shutdown Estimated Startup Date: 11/03/84

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
36-P	10/21/84	S	0.0	B	5		IB	INSTRU	PREPARING FOR INCORE/EXCDRE CALIBRATIONS.
37-P	10/22/84	F	0.0	A	5		CH	PUMPXX	DIRTY FEEDWATER PUMP CONTROL OIL FILTER.
38-P	10/22/84	F	0.0	A	5		AA	HTEXCH	HIGH LOWER CONTAINMENT TEMPERATURES.
39-P	10/23/84	F	0.0	A	5		CH	PUMPXX	FEEDWATER PUMP CONTROL OIL PROBLEM.
40-P	10/24/84	F	0.0	A	5		AA	HTEXCH	HIGH LOWER CONTAINMENT TEMPERATURES.
9	10/26/84	F	71.8	A	1		AA	HTEXCH	ROD-OUT VENTILATION UNITS.
10	10/30/84	F	30.0	A	1		SG	XXXXXX	UPPER HEAD INJECTION CHEMISTRY PROBLEMS.

 * SUMMARY *

 MCGUIRE 1 SHUTDOWN FOR REPAIRS ON OCTOBER 30TH.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* MCGUIRE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....MECKLENBURG
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 8, 1981
DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1981
DATE COMMERCIAL OPERATE...DECEMBER 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER....R. BIRKEL
DOCKET NUMBER.....50-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

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

INSPECTION SUMMARY

+ INSPECTION JUNE 20 - JULY 20 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 138 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING, AND MAINTENANCE ACTIVITIES. ONE VIOLATION WAS IDENTIFIED FOR FAILURE TO RESTORE A VENT VALVE TO ITS NORMALLY CLOSED POSITION FOLLOWING SURVEILLANCE TEST OF A CHECK VALVE.

INSPECTION SEPTEMBER 25-27 (84-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF STARTUP TEST PROGRAM REVIEW, LOCAL LEAK RATE TESTING, INTEGRATED LEAK RATE TESTING, AND FOLLOWUP OF INSPECTOR IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A REQUIRES THAT CURRENT WRITTEN APPROVED PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING SAFETY RELATED EQUIPMENT CONTROL, AND ENERGIZING INCLUDING EMERGENCY CORE COOLING AND CHEMICAL AND VOLUME CONTROL SYSTEMS. TECHNICAL SPECIFICATIONS 3.1.2.2, 3.1.2.4, AND 3.5.2 REQUIRE IN MODES 1-3 THAT BOTH CENTRIFUGAL PUMPS BE OPERABLE. IF ONLY ONE CENTRIFUGAL CHARGING PUMP IS OPERABLE, THE INOPERABLE PUMP SHALL BE MADE OPERABLE WITHIN 72 HOURS OR THE UNIT IS TO BE IN HOT STANDBY IN THE NEXT 6 HOURS. CONTRARY TO THE ABOVE, THE APPROVED PROCEDURE WAS NOT FOLLOWED NOR THE TECHNICAL SPECIFICATION

* MCGUIRE 1 *

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

Report Period OCT 1984

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-021	07/02/84	08/07/84	REACTOR TRIP BREAKER OPENED DURING TESTING, DUE TO DEFICIENT PROCEDURE.

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

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWh): 3411

5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>5,880.0</u>	<u>5,880.0</u>
13. Hours Reactor Critical	<u>687.8</u>	<u>4,838.1</u>	<u>4,838.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>684.4</u>	<u>4,805.7</u>	<u>4,805.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,260,438</u>	<u>15,829,001</u>	<u>15,829,001</u>
18. Gross Elec Ener (MWH)	<u>792,780</u>	<u>5,603,564</u>	<u>5,603,564</u>
19. Net Elec Ener (MWH)	<u>761,721</u>	<u>5,381,573</u>	<u>5,381,573</u>
20. Unit Service Factor	<u>91.9</u>	<u>81.7</u>	<u>81.7</u>
21. Unit Avail Factor	<u>91.9</u>	<u>81.7</u>	<u>81.7</u>
22. Unit Cap Factor (MDC Net)	<u>86.6</u>	<u>77.6</u>	<u>77.6</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>77.6</u>	<u>77.6</u>
24. Unit Forced Outage Rate	<u>8.1</u>	<u>17.0</u>	<u>17.0</u>
25. Forced Outage Hours	<u>60.6</u>	<u>987.7</u>	<u>987.7</u>

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

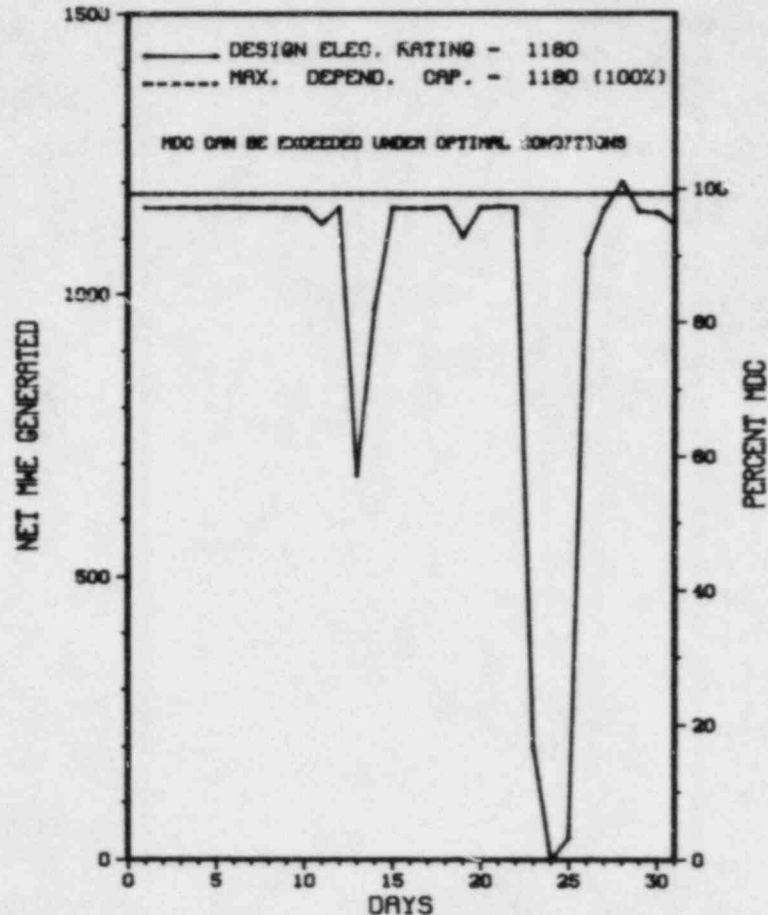
MAINTENANCE OUTAGE - NOVEMBER 15, 1984 - 4 DAYS.

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
54-P	10/11/84	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.
55-P	10/13/84	F	0.0	A	5		CH	VALVEX	REPAIR PACKING ON FEEDWATER REGULATING VALVE.
56-P	10/19/84	F	0.0	A	5		SF	INSTRU	REPAIR A SAFETY INJECTION VALVE.
57-P	10/19/84	F	0.0	A	5		CH	XXXXXX	FEEDWATER PUMP CONTROL OIL PROBLEMS.
14	10/23/84	F	56.2	A	3		CA	INSTRU	ABRAIDED CABLE TO SHUTDOWN BANK CONTROLS.
15	10/25/84	F	4.4	A	3		CH	PUMPXX	HIGH DISCHARGE PRESSURE ON FEEDWATER PUMP.
58-P	10/26/84	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION RECALIBRATION.
59-P	10/31/84	F	0.0	A	5		SF	XXXXXX	UPPER HEAD INJECTION CHEMISTRY PROBLEMS.

 * SUMMARY *

 MCGUIRE 2 OPERATED ROUTINELY DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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: SEPTEMBER 25-27, 1984 +

INSPECTION REPORT NO: 50-370/84-26 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	08/19/84	09/18/84	AUTOMATIC START OF DIESEL GENERATOR, AUTOMATIC SLOW TRANSFER ACTUALLY OCCURRED DUE TO OPEN SLIDING LINKS IN THE AUTOMATIC TRANSFER CIRCUITRY.
84-019	08/20/84	09/19/84	REACTOR COOLANT SYSTEM SIGHT GLASS FAILURE 1000 GALLONS OF PRIMARY COOLANT LEAKED THROUGH THE DAMAGED SIGHT GLASS, ATTRIBUTABLE TO DESIGN DEFICIENCY.
84-020	08/21/84	09/20/84	LO-LO STEAM GENERATOR LEVEL RESULTED IN A REACTOR TRIP, THE REASON WAS THE OPENING OF SAFETY RELIEF VALVE 2SV-9 BELOW ITS SETPOINT.
84-021	08/31/84	10/01/84	REACTOR TRIP ON ERRONEOUS SIGNAL-PERSONNEL ERROR IS CONSIDERED TO HAVE BEEN THE MAJOR CAUSE.

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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: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: GEORGE HARPAN (203) 447-1791 X4194

4. License: Thermal Power (Mwt): 2011

5. Nameplate Rating (Gross MWe): 735 X 0.9 = 662

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>122,064.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,526.2</u>	<u>92,290.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,775.8</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,455.3</u>	<u>89,472.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,455,912</u>	<u>10,468,805</u>	<u>163,517,673</u>
18. Gross Elec Ener (MWH)	<u>491,800</u>	<u>3,552,100</u>	<u>54,915,296</u>
19. Net Elec Ener (MWH)	<u>470,002</u>	<u>3,384,409</u>	<u>52,365,666</u>
20. Unit Service Factor	<u>100.0</u>	<u>74.5</u>	<u>73.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>74.5</u>	<u>73.3</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>70.7</u>	<u>65.6</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>70.1</u>	<u>65.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>41.5</u>	<u>5,715.2</u>

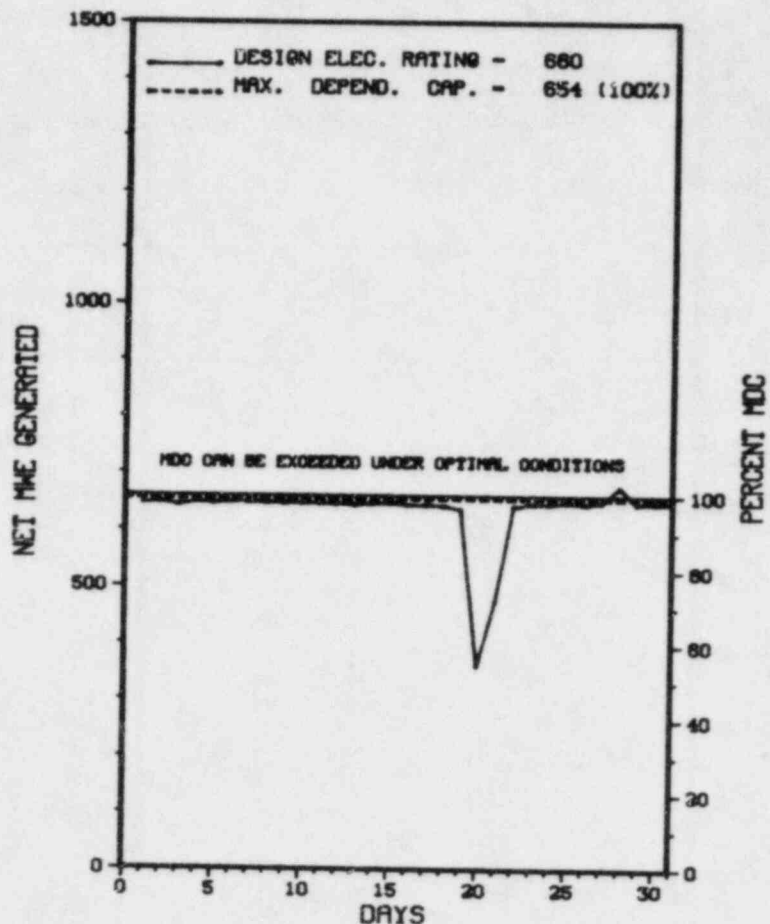
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MILLSTONE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	10/20/84	S	0.0	B	5				DOWNPOWER TO 50% TO FIND AND REPAIR LEAKING MAIN CONDENSER TUBES.

* SUMMARY *

MILLSTONE 1 OPERATED WITH 1 REDUCTION DURING OCTOBER.

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

* MILLSTONE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...OCTOBER 26, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 29, 1970
DATE COMMERCIAL OPERATE...MARCH 1, 1971
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....J. SHEA
DOCKET NUMBER.....50-245
LICENSE & DATE ISSUANCE....DPR-21, OCTOBER 26, 1970
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-336 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: R. BORCHERT (203) 447-1791 X4418

4. Licensed Thermal Power (MWt): 2700

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

6. Design Electrical Rating (Net MWe): 870

7. Maximum Dependable Capacity (Gross MWe): 895

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

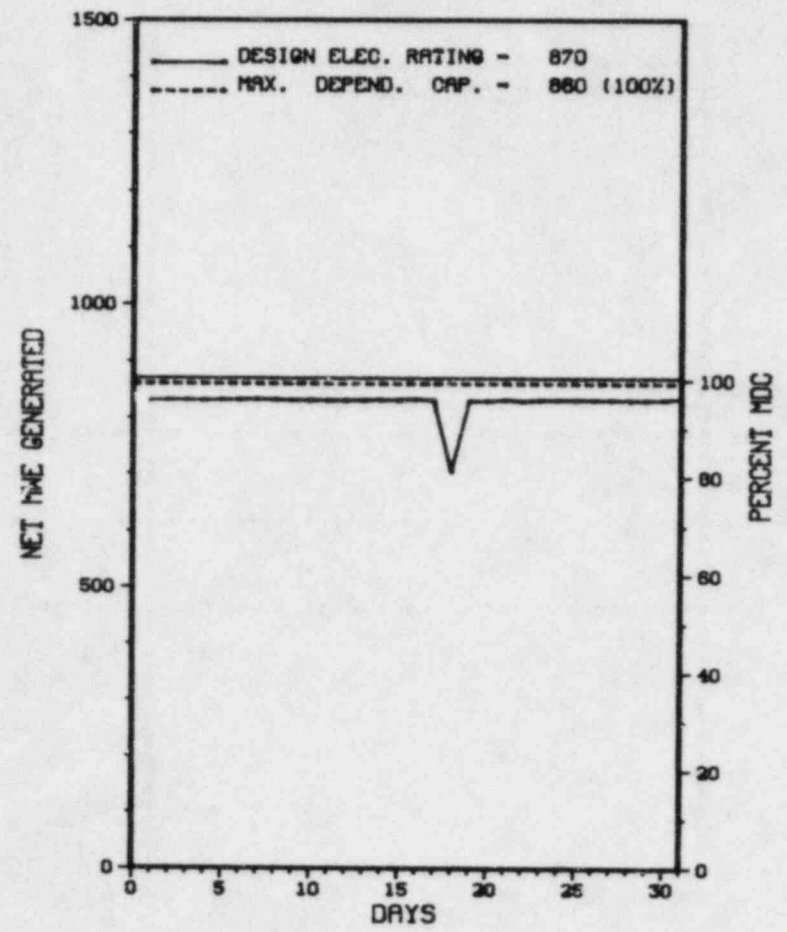
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>77,592.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,196.9</u>	<u>55,561.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,894.1</u>	<u>53,076.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>2,001,607</u>	<u>17,912,666</u>	<u>134,229,042</u>
18. Gross Elec Ener (MWH)	<u>639,300</u>	<u>5,748,701</u>	<u>43,546,073</u>
19. Net Elec Ener (MWH)	<u>616,372</u>	<u>5,526,026</u>	<u>41,742,774</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.2</u>	<u>68.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.2</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>87.8</u>	<u>63.9*</u>
23. Unit Cap Factor (PER Net)	<u>95.1</u>	<u>86.8</u>	<u>63.1*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.5</u>	<u>17.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>173.4</u>	<u>9,796.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING AND MAINTENANCE: 02/85 - 4 MONTHS.

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

* M I L L S T O N E 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	10/18/84	F	0.0	A	5		AA	ROD	WHILE AT 100% POWER CEA NO. 48 DROPPED INTO CORE DUE TO POWER SUPPLY FAILURE. POWER WAS REDUCED TO < 70% POWER AND CEA WAS RECOVERED.

* SUMMARY *

MILLSTONE 2 OPERATED WITH 1 REDUCTION DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....NEW LONDON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI SW OF
NEW LONDON, CONN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 17, 1975
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1975
DATE COMMERCIAL OPERATE...DECEMBER 26, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LONG ISLAND SOUND
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHEAST NUCLEAR ENERGY
CORPORATE ADDRESS.....P.O. BOX 270
HARTFORD, CONNECTICUT 06101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....D. OSBORNE
DOCKET NUMBER.....50-336
LICENSE & DATE ISSUANCE...DPR-65, SEPTEMBER 30, 1975
PUBLIC DOCUMENT ROOM.....WATERFORD PUBLIC LIBRARY
45 ROPE FERRY ROAD
ROUTE 156
WATERFORD, CONNECTICUT 06385

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period OCT 1984

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

* MILLSTONE 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

=====

1. Docket: 50-263 OPERATING STATUS
 2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
 3. Utility Contact: A. L. Myrabo (612) 295-5151
 4. Licensed Thermal Power (Mwt): 1670
 5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569
 6. Design Electrical Rating (Net MWe): 545
 7. Maximum Dependable Capacity (Gross MWe): 553
 8. Maximum Dependable Capacity (Net MWe): 525
 9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>116,929.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>810.5</u>	<u>89,915.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>808.8</u>	<u>88,003.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>897,898</u>	<u>141,233,814</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>296,117</u>	<u>45,185,053</u>
19. Net Elec Ener (MWH)	<u>-1,764</u>	<u>268,869</u>	<u>43,181,175</u>
20. Unit Service Factor	<u>.0</u>	<u>11.0</u>	<u>75.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>11.0</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>7.0</u>	<u>70.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>6.7</u>	<u>67.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,288.8</u>

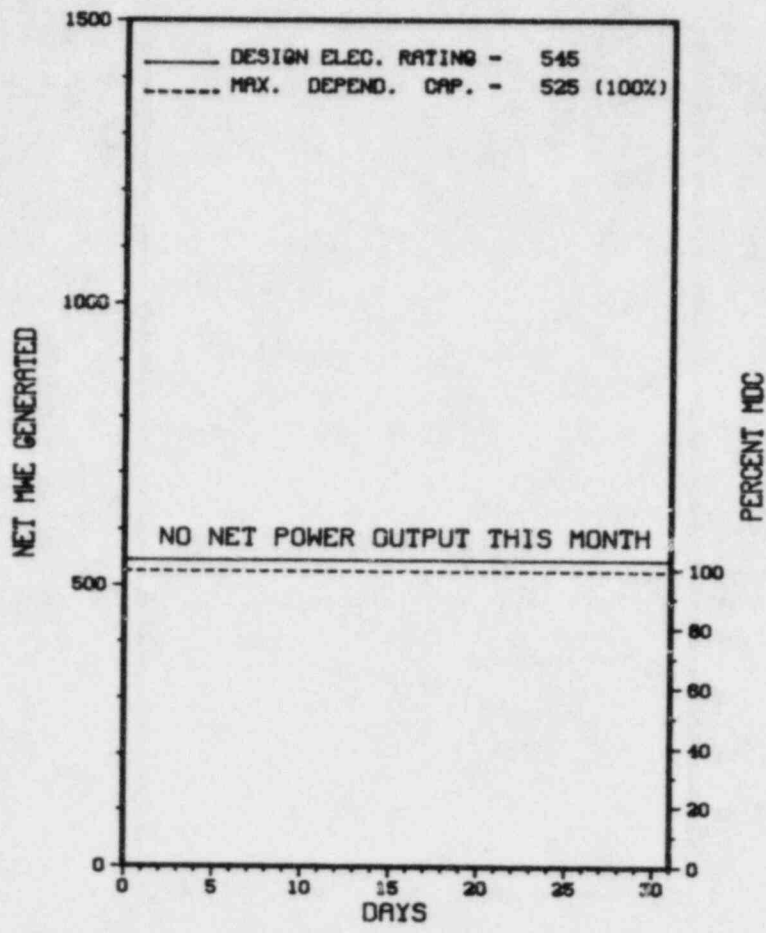
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
FEBRUARY 3, 1984 - REFUELING OUTAGE - 286 DAYS

27. If Currently Shutdown Estimated Startup Date: 11/30/84

 X MONTICELLO X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MONTICELLO



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	02/03/84	S	745.0	C	4		ZZ	ZZZZZZ	CONTINUATION OF 1984 REFUELING OUTAGE.

* SUMMARY *

MONTICELLO REMAINS SHUTDOWN FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* MONTICELLO *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....WRIGHT

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NW OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...DECEMBER 10, 1970

DATE ELEC ENER 1ST GENER...MARCH 5, 1971

DATE COMMERCIAL OPERATE...JUNE 30, 1971

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....C. BROWN

LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-263

LICENSE & DATE ISSUANCE...DPR-22, JANUARY 9, 1981

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

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

INSPECTION SUMMARY

INSPECTION FROM SEPTEMBER 11-13, (84-16): A SPECIAL, ANNOUNCED INSPECTION BY REGION-BASED INSPECTORS OF MANAGEMENT AND WORK CONTROL ACTIVITIES DURING THE RECIRCULATING PIPE REPLACEMENT OUTAGE. THE INSPECTION INVOLVED A TOTAL OF 90 INSPECTOR-HOURS ONSITE BY 4 NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON AUGUST 12 - SEPTEMBER 1, (84-17): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF DESIGN CHANGES AND MODIFICATIONS; LICENSEE EVENT REPORTS; REFUELING CAVITY WATER SEAL; CONTROL ROD DRIVE HYDRAULIC CONTROL UNIT GATE VALVE WEDGES; AND LONG TERM SHUTDOWN. THE INSPECTION INVOLVED A TOTAL OF 71 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR INCLUDING 14 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 2-29, (84-19): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF DESIGN CHANGES AND MODIFICATIONS; ONSITE REVIEW COMMITTEE; PROCEDURES; LONG TERM SHUTDOWN; AND MEDIA CONTACTS. THE INSPECTION INVOLVED A TOTAL OF 107 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR INCLUDING 21 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 59-220 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: THOMAS W. ROMAN (315) 349-2422

4. Licensed Thermal Power (MWt): 1850

5. Nameplate Rating (Gross MWe): 755 X 0.85 = 642

6. Design Electrical Rating (Net MWe): 620

7. Maximum Dependable Capacity (Gross MWe): 630

8. Maximum Dependable Capacity (Net MWe): 610

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

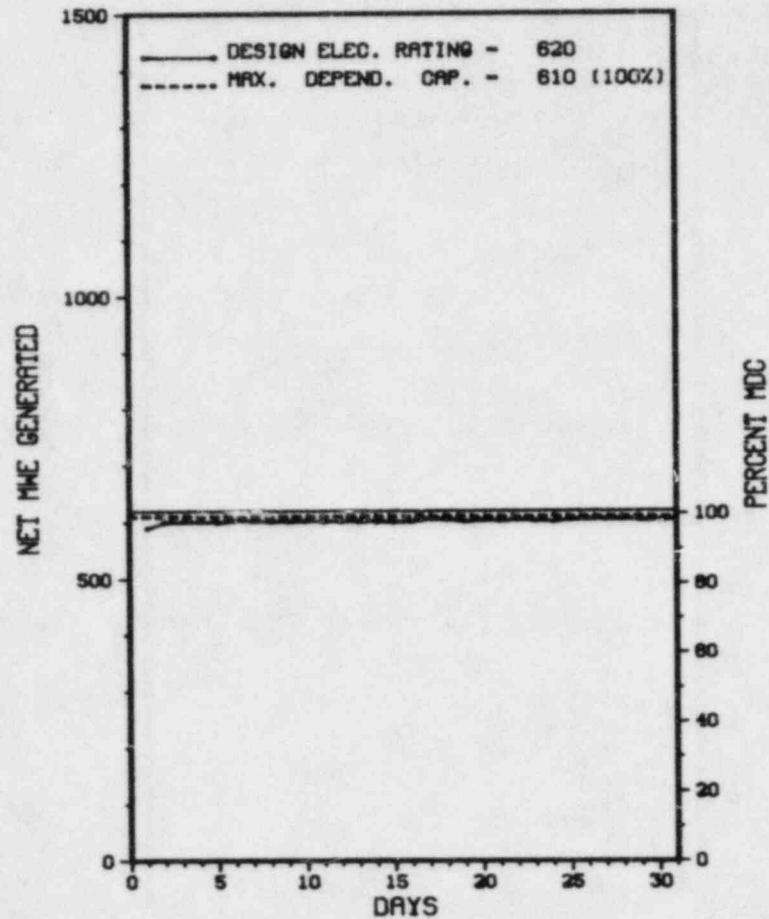
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>131,496.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,034.0</u>	<u>91,336.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,971.5</u>	<u>88,459.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,374,183</u>	<u>8,761,059</u>	<u>146,855,416</u>
18. Gross Elec Ener (MWH)	<u>461,502</u>	<u>2,921,940</u>	<u>48,553,722</u>
19. Net Elec Ener (MWH)	<u>448,288</u>	<u>2,832,919</u>	<u>47,027,678</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.9</u>	<u>67.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.9</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.6</u>	<u>63.4</u>	<u>58.6</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>62.4</u>	<u>57.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>16.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>12,940.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

 * NINE MILE POINT 1 *

 AVERAGE DAILY POWER LEVEL (MWe) PLOT
 NINE MILE POINT 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

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

NONE

* SUMMARY *

NINE MILE POINT 1 OPERATED WITH NO OUTAGES OR REDUCTIONS DURING OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NINE MILE POINT 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....NIAGARA MOHAWK POWER CORP.
CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202
CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....S. HUDSON
LICENSING PROJ MANAGER.....R. HERMANN
DOCKET NUMBER.....50-220
LICENSE & DATE ISSUANCE...DPR-63, DECEMBER 26, 1974
PUBLIC DOCUMENT ROOM.....STATE UNIVERSITY COLLEGE OF OSWEGO
PENFIELD LIBRARY - DOCUMENTS
OSWEGO, NY 13126
(315) 341-2323

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period OCT 1984

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

* N I N E M I L E P O I N T 1 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 937

8. Maximum Dependable Capacity (Net MWe): 890

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>56,161.0</u>
13. Hours Reactor Critical	<u>742.4</u>	<u>3,317.0</u>	<u>36,904.1</u>
14. Rx Reserve Shtdwn Hrs	<u>2.6</u>	<u>9.7</u>	<u>2,185.4</u>
15. Hrs Generator On-Line	<u>678.2</u>	<u>3,140.1</u>	<u>35,801.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,619,344</u>	<u>8,253,820</u>	<u>93,309,597</u>
18. Gross Elec Ener (MWH)	<u>541,437</u>	<u>2,790,132</u>	<u>30,174,318</u>
19. Net Elec Ener (MWH)	<u>510,955</u>	<u>2,646,351</u>	<u>28,477,565</u>
20. Unit Service Factor	<u>91.0</u>	<u>42.9</u>	<u>63.7</u>
21. Unit Avail Factor	<u>91.0</u>	<u>42.9</u>	<u>63.7</u>
22. Unit Cap Factor (MDC Net)	<u>77.1</u>	<u>40.8</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>75.6</u>	<u>39.9</u>	<u>55.9</u>
24. Unit Forced Outage Rate	<u>9.0</u>	<u>21.7</u>	<u>13.4</u>
25. Forced Outage Hours	<u>66.8</u>	<u>869.9</u>	<u>5,438.1</u>

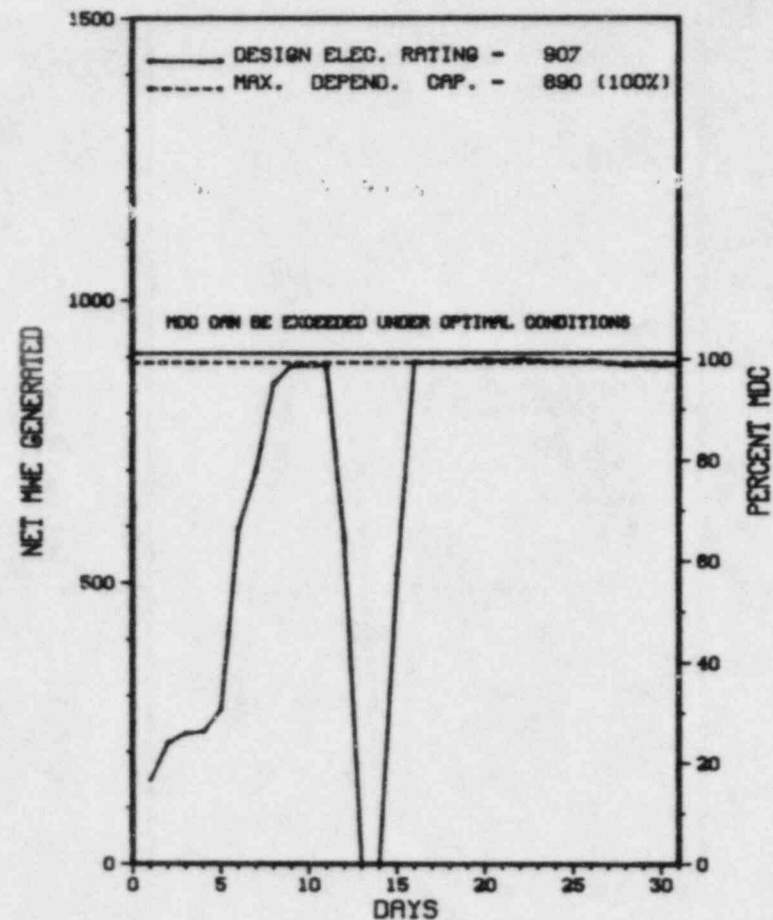
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-16	09/30/84	F	4.0	A	3				CONTINUATION OF REACTOR TRIP DUE TO LO-LO LEVEL IN STEAM GENERATOR. ENDED MONTH OF SEPTEMBER WITH UNIT 1 IN MODE 2. AT 0401 OCTOBER 1, 1984 UNIT 1 ON LINE.
84-17	10/12/84	F	62.8	H	3	84-18			REACTOR TRIPPED DUE TO LOSS OF POWER SUPPLY TO THE EHC SYSTEM. REPAIRS WERE MADE AND UNIT 1 RETURNED TO 100%. ENDED THIS MONTH WITH UNIT AT 100% POWER.

 * SUMMARY *

 NORTH ANNA 1 INCURRED 1 TRIP IN OCTOBER FOR LOSS OF POWER TO THE EHC SYSTEM

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NORTH ANNA 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 5, 1978
DATE ELEC EMER 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.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-338
LICENSE & DATE ISSUANCE...NPF-4, APRIL 1, 1978
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 31 - AUGUST 7 (84-29): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 70 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING THE CONTAINMENT INTEGRATED LEAK RATE TEST FOR UNIT 1, REVIEW OF LEAK RATE TEST ASSOCIATED DOCUMENTATION, AND REVIEW OF THE LOCAL LEAK RATE TEST PROCEDURE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION AUGUST 6 - SEPTEMBER 5 (84-30): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTORS INVOLVED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF PREVIOUS INSPECTION FINDINGS AND LICENSEE EVENT REPORTS, PAINTING INSIDE CONTAINMENT AND REFUELING ACTIVITIES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS. ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO PERFORM A 50.59 SAFETY EVALUATION WHEN NON-QUALIFIED PAINT WAS APPLIED TO VENTILATION DUCTS INSIDE CONTAINMENT, PARAGRAPH 10).

INSPECTION SEPTEMBER 11-13 (84-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) DATA REVIEW AND EVALUATION; OBSERVATION OF STEAM GENERATOR TUBE EDDY CURRENT INSPECTION; OBSERVATION OF ISI WORK AND WORK ACTIVITIES, DATA REVIEW, AND EVALUATION; RECIRCULATION SPRAY HEAT EXCHANGERS; OUTSIDE RECIRCULATION SPRAY PUMPS ISOLATION VALVE REPLACEMENT; AND STEAM GENERATOR "J" TUBE REPLACEMENT (UNIT 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO MAINTAIN CONTROL OVER WELDING AND WELDING MATERIALS.

Report Period OCT 1984

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

* NORTH ANNA 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-008	09/01/84	09/27/84	RECIRCULATION SPRAY COOLER LAP RING CRACKING THE HEAT EXCHANGER LAP RINGS WERE FOUND TO HAVE RADIAL FLAWS.
84-009	09/11/84	10/11/84	FIRE SUPPRESSION WATER SUPPLY INOPERABLE.
84-011	09/14/84	10/11/84	PRESSURIZER PORV OPENING WHILE IN COLD SHUTDOWN. THE OVERPRESSURIZATION OCCURRED AFTER A REACTOR COOLANT PUMP WAS STARTED.
84-012	09/25/84	10/04/84	POSITIVE MODERATOR TEMPERATURE COEFFICIENT.

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1. Docket: 50-339 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: JOAN N. LEE (703) 894-5151 X2527

4. Licensed Thermal Power (Mwt): 2775

5. Nameplate Rating (Gross MWe): 947

6. Design Electrical Rating (Net MWe): 907

7. Maximum Dependable Capacity (Gross MWe): 939

8. Maximum Dependable Capacity (Net MWe): 890

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>34,032.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,814.3</u>	<u>24,461.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>14.6</u>	<u>2,254.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,714.5</u>	<u>23,992.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,215,461</u>	<u>62,636,491</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,026,505</u>	<u>20,762,872</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,812,318</u>	<u>19,664,400</u>
20. Unit Service Factor	<u>.0</u>	<u>64.4</u>	<u>70.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>64.4</u>	<u>70.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>58.5</u>	<u>64.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>57.4</u>	<u>63.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.1</u>	<u>13.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>148.6</u>	<u>3,596.1</u>

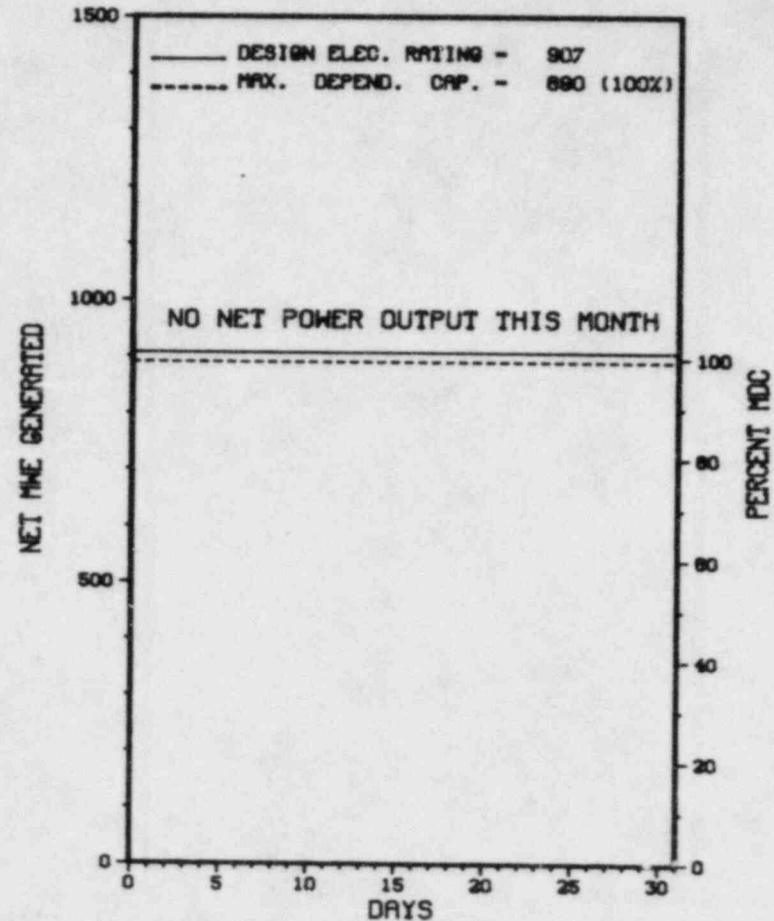
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/02/84

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-34	08/02/84	S	745.0	C	4				REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

NORTH ANNA 2 REMAINED SHUT DOWN FOR REFUELING AND MAINTENANCE DURING ALL OF OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NORTH ANNA 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 12, 1980
DATE ELEC ENER 1ST GENER...AUGUST 25, 1980
DATE COMMERCIAL OPERATE...DECEMBER 14, 1980
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE....NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 6 - SEPTEMBER 5 (84-30): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 122 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF PREVIOUS INSPECTION FINDINGS AND LICENSEE EVENT REPORTS, PAINTING INSIDE CONTAINMENT AND REFUELING ACTIVITIES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS. ONE APPARENT VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO PERFORM A 50.59 SAFETY EVALUATION WHEN NON-QUALIFIED PAINT WAS APPLIED TO VENTILATION DUCTS INSIDE CONTAINMENT, PARAGRAPH 10).

INSPECTION SEPTEMBER 11-13 (84-34): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) DATA REVIEW AND EVALUATION; OBSERVATION OF STEAM GENERATOR TUBE EDDY CURRENT INSPECTION; OBSERVATION OF ISI WORK AND WORK ACTIVITIES, DATA REVIEW, AND EVALUATION; RECIRCULATION SPRAY HEAT EXCHANGERS; OUTSIDE RECIRCULATION SPRAY PUMPS ISOLATION VALVE REPLACEMENT; AND STEAM GENERATOR "J" TUBE REPLACEMENT (UNIT 2). ONE VIOLATION WAS IDENTIFIED - FAILURE TO MAINTAIN CONTROL OVER WELDING AND WELDING MATERIALS.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-269 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>99,025.0</u>
13. Hours Reactor Critical	<u>121.7</u>	<u>6,671.8</u>	<u>71,212.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>119.8</u>	<u>6,661.8</u>	<u>68,051.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>303,008</u>	<u>17,076,674</u>	<u>163,374,706</u>
18. Gross Elec Ener (MWH)	<u>104,110</u>	<u>5,958,410</u>	<u>56,826,640</u>
19. Net Elec Ener (MWH)	<u>95,935</u>	<u>5,692,862</u>	<u>53,858,413</u>
20. Unit Service Factor	<u>16.1</u>	<u>91.0</u>	<u>68.7</u>
21. Unit Avail Factor	<u>16.1</u>	<u>91.0</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>15.0</u>	<u>90.4</u>	<u>63.1*</u>
23. Unit Cap Factor (DER Net)	<u>14.5</u>	<u>87.7</u>	<u>61.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>16.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>33.0</u>	<u>12,080.6</u>

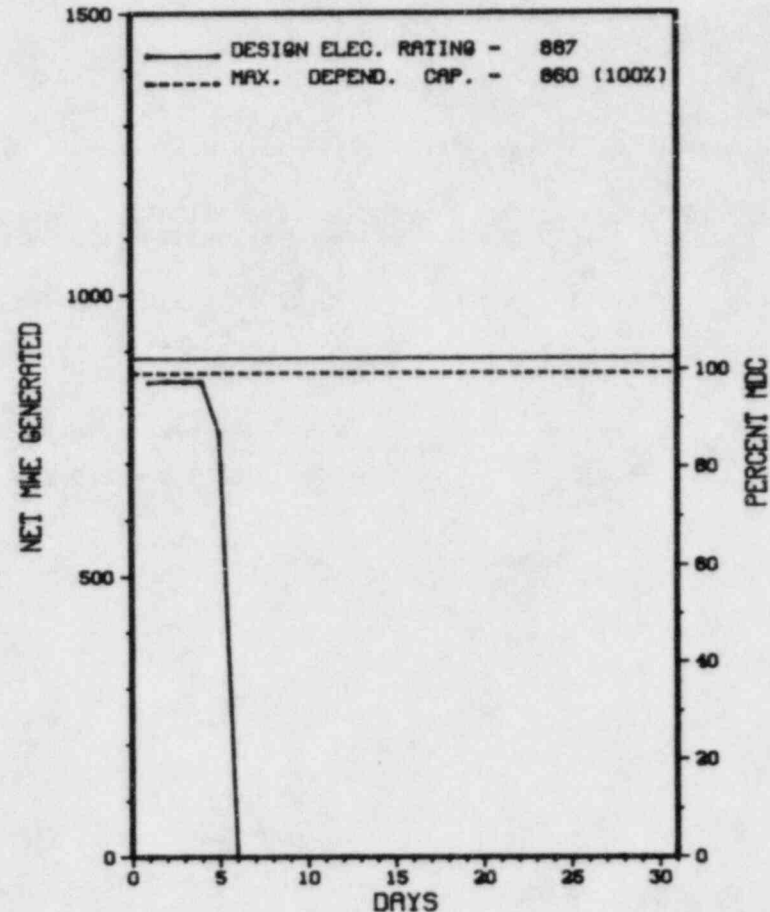
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/25/84

* OCONEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	10/05/84	S	625.2	C	1		RC	FUELXX	CYCLE & REFUELING OUTAGE COMMENCED.

* SUMMARY *

OCONEE 1 BEGAN A REFUELING SHUTDOWN ON OCTOBER 5.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* OCONEE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 19, 1973
DATE ELEC ENER 1ST GENER...MAY 6, 1973
DATE COMMERCIAL OPERATE...JULY 15, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER....H. NICOLARAS
DOCKET NUMBER.....50-269
LICENSE & DATE ISSUANCE...DPR-38, FEBRUARY 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 4-6 (84-19): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL EFFLUENT ACCOUNTABILITY AND RADIOLOGICAL ENVIRONMENTAL MONITORING. VIOLATION - FAILURE TO MEET DETECTION LIMITS FOR RADIOLOGICAL ENVIRONMENTAL SAMPLES.

INSPECTION AUGUST 11 - SEPTEMBER 10 (84-23): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ENGINEERED SAFETY FEATURES, FUEL HANDLING, AND OPEN ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-28 (84-24): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.11.1, DATED JULY 18, 1974, REQUIRES THAT ANALYSES FOR RADIOLOGICAL ENVIRONMENTAL MONITORING BE PERFORMED AT THE SENSITIVITIES LISTED IN TABLE 4.11-13, DATED JANUARY 27, 1977. CONTRARY TO THE ABOVE, DURING THE PERIOD FROM JANUARY THROUGH DECEMBER 1983, REQUIRED ANALYTICAL SENSITIVITIES WERE NOT MET FOR A TOTAL OF FORTY TWO SAMPLES.
(8419 4)

Report Period OCT 1984

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

* OCONEE 1 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-003	08/30/84	09/28/84	THE PIE GAMMA RAY SCANNER ROTATED SO THAT ONE END WAS MOMENTARILY SUSPENDED OVER A SPENT FUEL ASSEMBLY IN UNITS 1 AND 2 SFP.

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1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>88,945.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>7,320.0</u>	<u>64,633.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>7,320.0</u>	<u>63,480.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,750,062</u>	<u>18,523,725</u>	<u>151,014,391</u>
18. Gross Elec Ener (MWH)	<u>590,440</u>	<u>6,349,090</u>	<u>51,453,946</u>
19. Net Elec Ener (MWH)	<u>561,754</u>	<u>6,079,515</u>	<u>48,891,084</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>87.7</u>	<u>96.6</u>	<u>63.7*</u>
23. Unit Cap Factor (DER Net)	<u>85.0</u>	<u>93.6</u>	<u>62.0*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,256.1</u>

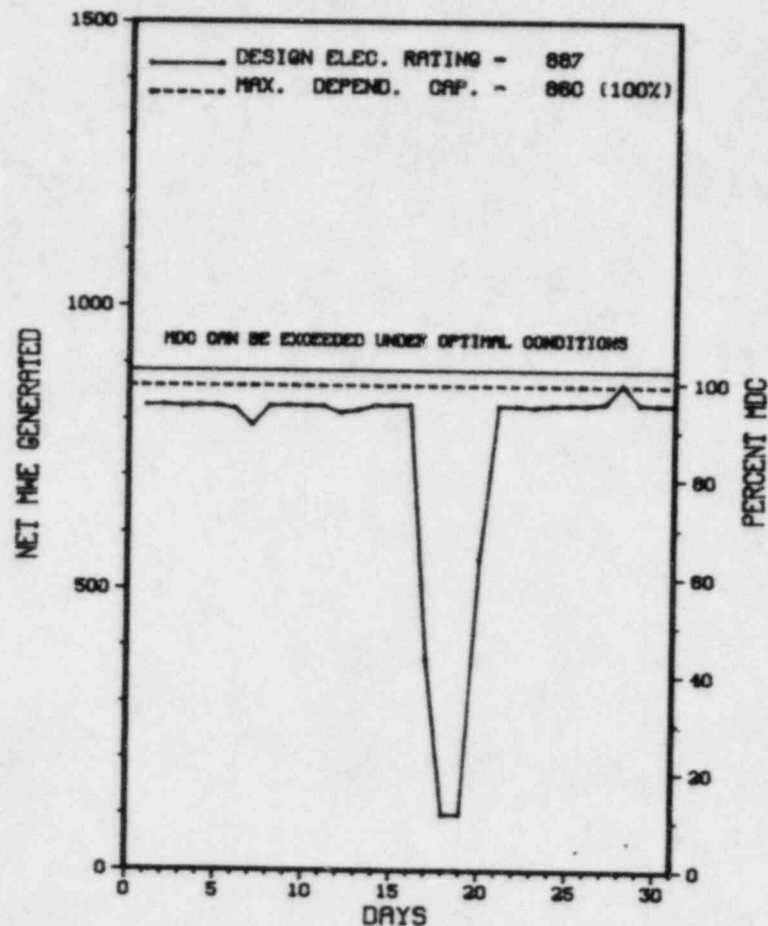
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 4, 1985 - 9 WEEKS.

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16-P	10/06/84	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT PT'S.
17-P	10/12/84	S	0.0	B	5		CC	VALVEX	TURBINE CONTROL VALVE MOVEMENT PT.
18-P	10/13/84	F	0.0	A	5		HC	XXXXXX	DRAIN WATER FROM AIR EJECTOR LINES.
19-P	10/17/84	F	0.0	A	5		HB	HTEXCH	MOISTURE SEPARATOR REHEATER DRAIN LEAK.
20-P	10/23/84	F	0.0	A	5		HC	XXXXXX	DRAIN WATER FROM AIR EJECTOR LINES.

 * SUMMARY *

 OCONEE 2 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* OCONEE 2 *

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

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 11, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 5, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 9, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-270
LICENSE & DATE ISSUANCE...DPR-47, OCTOBER 6, 1973
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 4-6 (84-18): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL EFFLUENT ACCOUNTABILITY AND RADIOLOGICAL ENVIRONMENTAL MONITORING. VIOLATION - FAILURE TO MEET DETECTION LIMITS FOR RADIOLOGICAL ENVIRONMENTAL SAMPLES.

INSPECTION AUGUST 11 - SEPTEMBER 10 (84-22): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ENGINEERED SAFETY FEATURES, FUEL HANDLING, AND OPEN ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-28 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.11.1, DATED JULY 18, 1974, REQUIRES THAT ANALYSES FOR RADIOLOGICAL ENVIRONMENTAL MONITORING BE PERFORMED AT THE SENSITIVITIES LISTED IN TABLE 4.11-13, DATED JANUARY 27, 1977. CONTRARY TO THE ABOVE, DURING THE PERIOD FROM JANUARY THROUGH DECEMBER 1983, REQUIRED ANALYTICAL SENSITIVITIES WERE NOT MET FOR A TOTAL OF FORTY TWO SAMPLES.
(8418 4)

ENFORCEMENT SUMMARY

10 CFR 20.203(F) REQUIRES THAT EACH CONTAINER OF LICENSED MATERIAL SHALL BEAR A DURABLE, CLEARLY VISIBLE LABEL IDENTIFYING THE RADIOACTIVE CONTENTS. THE LABEL SHALL ALSO PROVIDE SUFFICIENT INFORMATION TO PERMIT INDIVIDUALS HANDLING OR USING THE CONTAINERS, OR WORKING IN THE VICINITY THEREOF, TO TAKE PRECAUTIONS TO AVOID OR MINIMIZE EXPOSURES. AS APPROPRIATE, THE INFORMATION WILL INCLUDE RADIATION LEVELS, KINDS OF MATERIAL, ESTIMATE OF ACTIVITY, ETC. CONTRARY TO THE ABOVE, CONTAINERS OF LICENSED MATERIAL WERE NOT PROPERLY LABELED IN THAT: (A) A METAL BOX IN THE UNIT 3 AUXILIARY BUILDING, LEVEL 3, WAS LABELED AS BEING LESS THAN TWO MILLIREM PER HOUR WHEN IT IN FACT HAD CONTACT RADIATION LEVELS TO 48 MILLIREM PER HOUR ON THE BOTTOM AND 17 MILLIREM PER HOUR ON THE SIDE OF THE BOX. (B) A WOODEN BOX IN THE UNIT 3 AUXILIARY BUILDING, LEVEL 3, CONTAINING A RADIOACTIVE CONTROL ROD DRIVE MECHANISM, WHICH HAD CONTACT RADIATION LEVELS TO 80 MILLIREM PER HOUR ON THE OUTSIDE OF THE BOX, WAS NOT LABELED. 10 CFR 71.5 REQUIRES THAT EACH LICENSEE WHO TRANSPORTS LICENSED MATERIAL OUTSIDE OF THE CONFINES OF ITS PLANT OR OTHER PLACE OF USE, OR WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT, SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF DOT IN 49 CFR PARTS 170 THROUGH 189. 49 CFR 171.2 REQUIRES THAT NO PERSON MAY OFFER A HAZARDOUS MATERIAL FOR TRANSPORTATION WITHIN THE UNITED STATES UNLESS THAT MATERIAL IS PROPERLY CLASSIFIED. 49 CFR 172.101 DEFINES RADIOACTIVE MATERIAL AS A HAZARDOUS MATERIAL. CONTRARY TO THE ABOVE, THE LOW SPECIFIC ACTIVITY (LSA) CLASSIFICATION OF A RADIOACTIVE MATERIAL SHIPMENT ON AUGUST 23, 1984, OF TWO BOXES CONTAINING CONTROL ROD DRIVE MECHANISMS, UNDER CONTROL NUMBER ONS-84-120, WAS NOT PROPERLY DETERMINED PRIOR TO THE SHIPMENT.
(8419 4)

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: SEPTEMBER 24-28, 1984 +

INSPECTION REPORT NO: 50-270/84-23 +

Report Period OCT 1984

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X OCONEE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-287 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

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

4. Licensed Thermal Power (MWh): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 860

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>86,592.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,371.6</u>	<u>62,081.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>5,332.4</u>	<u>60,915.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,920,142</u>	<u>13,405,250</u>	<u>148,897,813</u>
18. Gross Elec Ener (MWH)	<u>656,300</u>	<u>4,612,690</u>	<u>51,427,284</u>
19. Net Elec Ener (MWH)	<u>627,689</u>	<u>4,403,166</u>	<u>48,970,284</u>
20. Unit Service Factor	<u>100.0</u>	<u>72.8</u>	<u>70.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>72.8</u>	<u>70.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>69.9</u>	<u>65.6*</u>
23. Unit Cap Factor (DER Net)	<u>95.0</u>	<u>67.8</u>	<u>63.8*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>84.3</u>	<u>10,226.3</u>

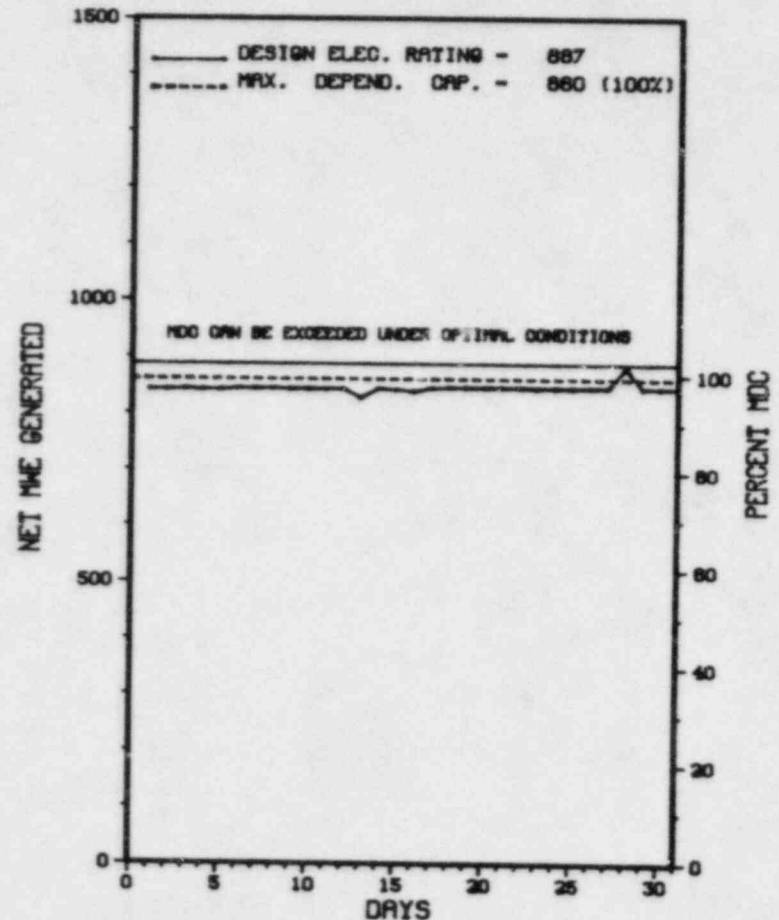
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14-P	10/12/84	S	0.0	B	5		CC	VALVEX	TURBINE CONTROL & STOP VALVE MOVEMENT PTS.
15-P	10/16/84	F	0.0	A	5		HC	XXXXXX	DRAIN WATER FROM AIR EJECTOR LINES.

 * SUMMARY *

 OCONEE 3 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

* OCONEE 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER.....50-287
LICENSE & DATE ISSUANCE...DPR-55, JULY 19, 1974
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 4-6 (84-20): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 6 INSPECTOR-HOURS ON SITE IN THE AREAS OF RADIOLOGICAL EFFLUENT ACCOUNTABILITY AND RADIOLOGICAL ENVIRONMENTAL MONITORING. VIOLATION - FAILURE TO MEET DETECTION LIMITS FOR RADIOLOGICAL ENVIRONMENTAL SAMPLES.

INSPECTION AUGUST 11 - SEPTEMBER 10 (84-24): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 80 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, MAINTENANCE, SURVEILLANCE, ENGINEERED SAFETY FEATURES, FUEL HANDLING, AND OPEN ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-28 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY AND INSERVICE TESTING OF PUMPS AND VALVES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.11.1, DATED JULY 18, 1974, REQUIRES THAT ANALYSES FOR RADIOLOGICAL ENVIRONMENTAL MONITORING BE PERFORMED AT THE SENSITIVITIES LISTED IN TABLE 4.11-13, DATED JANUARY 27, 1977. CONTRARY TO THE ABOVE, DURING THE PERIOD FROM JANUARY THROUGH DECEMBER 1983, REQUIRED ANALYTICAL SENSITIVITIES WERE NOT MET FOR A TOTAL OF FORTY TWO SAMPLES.
(8420 4)

Report Period OCT 1984

REPORTS FROM LICENSEE

* OCONEE 3 *

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-003	06/07/84	07/09/84	UNIT 3 TRIP WAS INITIATED BY RPS ON AN ERRONEOUS, INDICATED LOSS OF BOTH FEEDWATER PUMPS.
84-005	08/14/84	09/14/84	THE INSTRUMENT AIR LINE TO THE POWDEX OUTLET VALVES WAS ACCIDENTALLY SHEARED.

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1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: JOSEPH R. MOLNAR (609) 971-4699

4. Licensed Thermal Power (MWT): 1930

5. Nameplate Rating (Gross MWe): 722 X .9 = 650

6. Design Electrical Rating (Net MWe): 650

7. Maximum Dependable Capacity (Gross MWe): 650

8. Maximum Dependable Capacity (Net MWe): 620

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

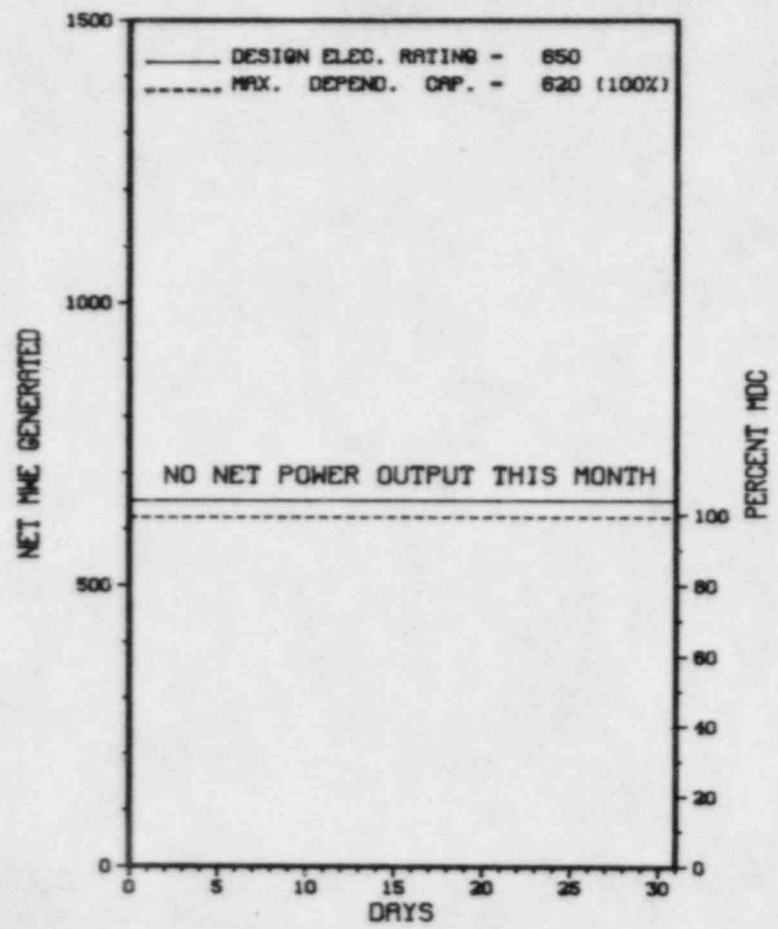
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>130,248.0</u>
13. Hours Reactor Critical	<u>18.8</u>	<u>714.8</u>	<u>85,338.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>82,693.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>136,301,260</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>46,056,905</u>
19. Net Elec Ener (MWH)	<u>-5,628</u>	<u>-26,411</u>	<u>44,259,272</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>63.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>63.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>54.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,916.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OYSTER CREEK 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
31	02/11/83	S	745.0	C	4		ZZ	ZZZZZ	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

OYSTER CREEK 1 REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.

Type	Reason	Method	System & Component
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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....OCEAN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9 MI S OF
TOMS RIVER, NJ
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 3, 1969
DATE ELEC ENER 1ST GENER...SEPTEMBER 23, 1969
DATE COMMERCIAL OPERATE....DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...BARNEGAT BAY
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORPORATION
CORPORATE ADDRESS.....100 INTERPACE PARKWAY
PARSIPPANY, NEW JERSEY 07054
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BURNS & ROE
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....C. COWGILL
LICENSING PROJ MANAGER.....J. LOMBARDO
DOCKET NUMBER.....50-219
LICENSE & DATE ISSUANCE....DPR-16, AUGUST 1, 1969
PUBLIC DOCUMENT ROOM.....OCEAN COUNTY LIBRARY
101 WASHINGTON STREET
TOMS RIVER, NEW JERSEY 08753

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period OCT 1984

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

* O Y S T E R C R E E K 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-255 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: A. F. DIENES (616) 764-8913

4. Licensed Thermal Power (MWT): 2530

5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812

6. Design Electrical Rating (Net MWe): 805

7. Maximum Dependable Capacity (Gross MWe): 675

8. Maximum Dependable Capacity (Net MWe): 635

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>112,815.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>567.9</u>	<u>59,827.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>368.4</u>	<u>56,646.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>399,312</u>	<u>115,759,536</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>118,080</u>	<u>35,868,520</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>101,747</u>	<u>33,729,761</u>
20. Unit Service Factor	<u>.0</u>	<u>5.0</u>	<u>50.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>5.0</u>	<u>50.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>2.2</u>	<u>47.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>1.7</u>	<u>37.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>83.6</u>	<u>33.5</u>
25. Forced Outage Hours	<u>745.0</u>	<u>1,877.3</u>	<u>14,402.9</u>

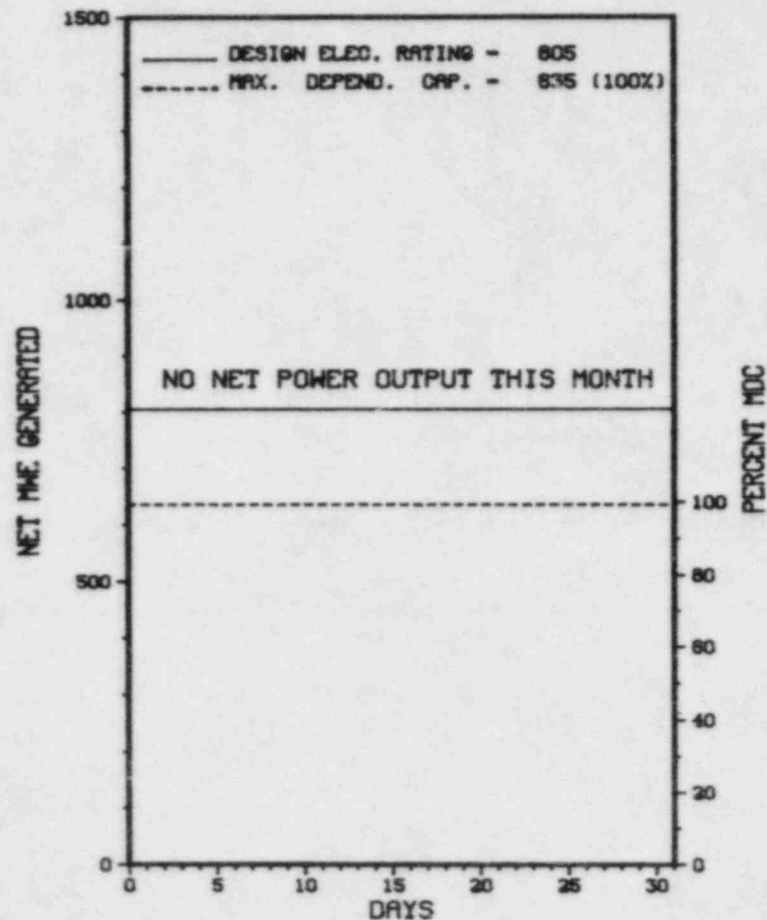
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/13/84

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	09/16/84	F	745.0	A	4	84-21	AB	P	SEALS FAILED ON PRIMARY COOLANT PUMP, P-50C.

 * SUMMARY *

 PALISADES REMAINED SHUT DOWN IN OCTOBER FOR PRIMARY COOLANT PUMP SEAL FAILURE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* PALISADES *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....VANBUREN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SOUTH HAVEN, MI
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 24, 1971
DATE ELEC ENER 1ST GENER...DECEMBER 31, 1971
DATE COMMERCIAL OPERATE...DECEMBER 31, 1971
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER
CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....E. SWANSON
LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255
LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972
PUBLIC DOCUMENT ROOM.....KALAMAZOO PUBLIC LIBRARY
315 SOUTH ROSE STREET
REFERENCE DEPARTMENT
KALAMAZOO, MICHIGAN 49007

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 6 THROUGH SEPTEMBER 8, (84-16): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REACTOR TRIPS; REPORTABLE EVENTS; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 150 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN COLD SHUTDOWN FOR REPAIR OF RCP-50C

LAST IE SITE INSPECTION DATE: OCTOBER 22 - NOVEMBER 23, 1984

INSPECTION REPORT NO: 84-26

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

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=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT        REPORT
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84-17      09/03/84    10/03/84    LOW PRESSURE SAFETY INJECTION CONTROL VALVE (CV-3006) NOT FULLY OPEN
84-18      09/05/84    10/05/84    FAILURE TO PERFORM SNUBBER SURVEILLANCE
84-19      09/08/84    10/08/84    INOPERABLE AUXILIARY FEEDWATER PUMP P-3B
84-20      09/06/84    10/08/84    FAILURE TO PERFORM SURVEILLANCE TESTING
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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: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>90,528.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,583.9</u>	<u>62,283.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,544.8</u>	<u>60,556.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>7,865,391</u>	<u>178,420,001</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,547,570</u>	<u>58,718,660</u>
19. Net Elec Ener (MWH)	<u>-4,733</u>	<u>2,433,538</u>	<u>56,269,968</u>
20. Unit Service Factor	<u>.0</u>	<u>34.8</u>	<u>66.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>34.8</u>	<u>66.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>31.6</u>	<u>59.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>31.2</u>	<u>58.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.4</u>	<u>12.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>116.4</u>	<u>8,628.6</u>

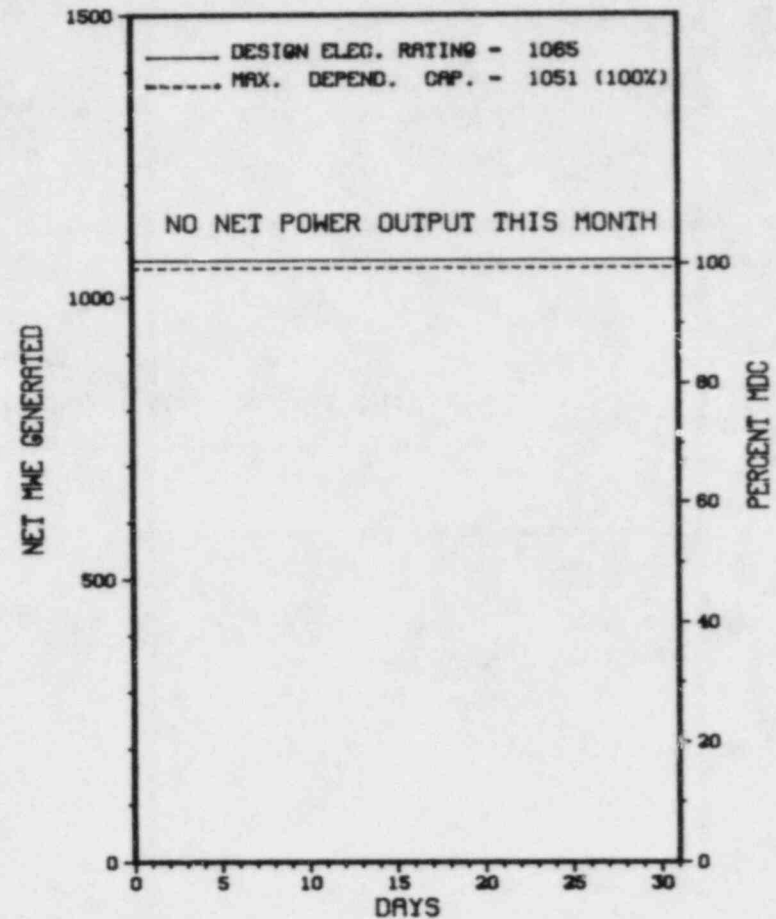
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/15/85

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	04/27/84	S	745.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING OUTAGE.

* SUMMARY *

PEACH BOTTOM 2 REMAINS SHUT DOWN FOR REFUELING.

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

* PEACH BOTTOM 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE....JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....A. BLOUGH
LICENSING PROJ MANAGER....G. GEARS
DOCKET NUMBER.....50-277
LICENSE & DATE ISSUANCE...DPR-44, DECEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 61.57, "LABELING," STATES "EACH PACKAGE OF WASTE MUST BE CLEARLY LABELED TO IDENTIFY WHETHER IT IS CLASS A WASTE, CLASS B WASTE, OR CLASS C WASTE IN ACCORDANCE WITH PARA 61.55." CONTRARY TO THE ABOVE, ON MARCH 5, 1984 AND MARCH 6, 1984, THE LICENSEE MADE TWO SHIPMENTS OF LICENSE WASTE MATERIAL TO BARNSWELL, SOUTH CAROLINA AND 23 PACKAGES CONTAINING THE WASTE WERE IMPROPERLY CLASSIFIED AS CLASS A WASTE. THE ISOTOPIC ANALYSIS OF THE CONTAINED WASTE MATERIAL INDICATED THAT THE WASTE SHOULD HAVE BEEN IDENTIFIED AS CLASS B WASTE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). 10 CFR 105(D) STATES "...THE PROGRAM SHALL PROVIDE FOR INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, THE RADIOACTIVE MATERIAL COORDINATOR INVOLVED IN THE TWO SHIPMENTS OF LICENSED WASTE MATERIAL MADE ON MARCH 5, 1984, AND MARCH 6, 1984, HAD NOT RECEIVED ANY DOCUMENTED INDOCTRINATION AND TRAINING IN THE NUCLEAR REGULATORY COMMISSION OR THE DEPARTMENT OF TRANSPORTATION REGULATIONS TO ASSURE THAT SUITABLE PROFICIENCY WAS ACHIEVED AND MAINTAINED. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8409 4)

ENFORCEMENT SUMMARY

10 CFR 20.311(C) STATES, "EACH MANIFEST MUST INCLUDE A CERTIFICATION BY THE WASTE GENERATOR THAT THE TRANSPORTED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION..." CONTRARY TO THE ABOVE, ON MARCH 5, 1984, AND ON MARCH 6, 1984, THE SHIPMENT MANIFEST OF THE TWO WASTE SHIPMENTS MADE ON THESE DAYS WERE SIGNED BY A SHIFT SUPERVISOR CERTIFYING THAT THE 23 CONTAINERS CONTAINED IN THE SHIPMENTS WERE PROPERLY CLASSIFIED, WHEN IN FACT THE CONTAINERS WERE NOT PROPERLY CLASSIFIED. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT V).
(8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

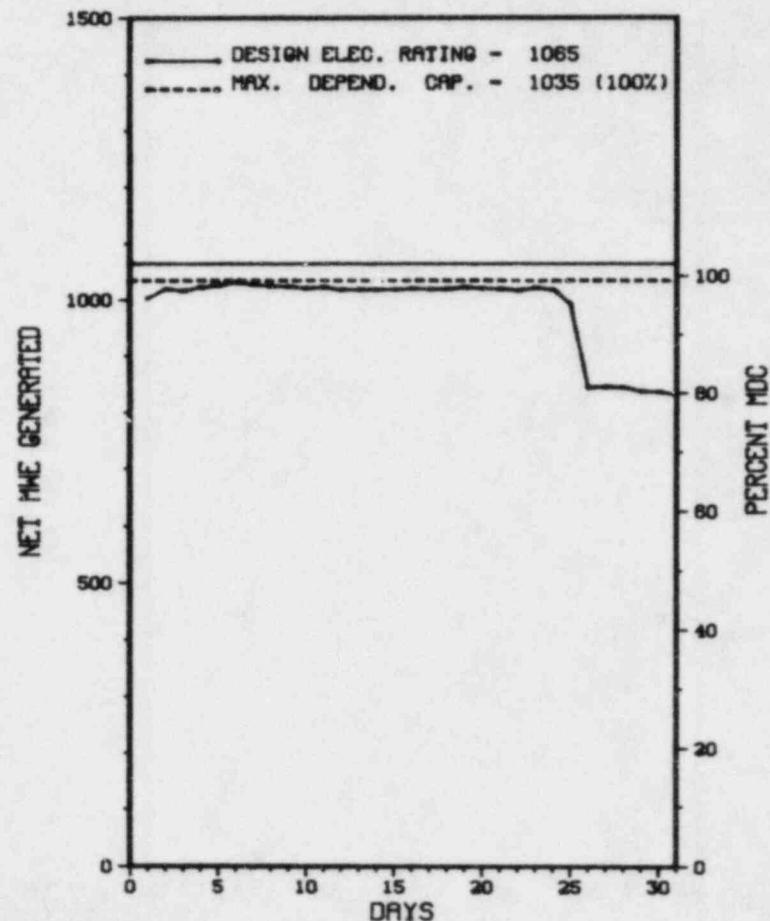
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>86,424.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,429.8</u>	<u>63,229.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,359.4</u>	<u>61,675.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,257,320</u>	<u>20,051,343</u>	<u>181,089,648</u>
18. Gross Elec Ener (MWH)	<u>758,480</u>	<u>6,697,720</u>	<u>59,512,840</u>
19. Net Elec Ener (MWH)	<u>733,679</u>	<u>6,483,227</u>	<u>57,147,012</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.9</u>	<u>71.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.9</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>100.0</u>	<u>85.6</u>	<u>63.9</u>
23. Unit Cap Factor (DER Net)	<u>92.5</u>	<u>83.2</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.5</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>747.1</u>	<u>5,078.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	10/25/84	S	0.0	B	5		MB		LOAD REDUCED TO LOWER RADIATION LEVELS IN THE OFF-GAS.

* SUMMARY *

PEACH BOTTOM 2 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PEACH BOTTOM 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 7, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 1, 1974
DATE COMMERCIAL OPERATE...DECEMBER 23, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....A. BLOUGH
LICENSING PROJ MANAGER.....G. GEARS
DOCKET NUMBER.....50-278
LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 61.57, "LABELING," STATES "EACH PACKAGE OF WASTE MUST BE CLEARLY LABELED TO IDENTIFY WHETHER IT IS CLASS A WASTE, CLASS B WASTE, OR CLASS C WASTE IN ACCORDANCE WITH PARA 61.55." CONTRARY TO THE ABOVE, ON MARCH 5, 1984 AND MARCH 6, 1984, THE LICENSEE MADE TWO SHIPMENTS OF LICENSE WASTE MATERIAL TO BARNSWELL, SOUTH CAROLINA AND 23 PACKAGES CONTAINING THE WASTE WERE IMPROPERLY CLASSIFIED AS CLASS A WASTE. THE ISOTOPIC ANALYSIS OF THE CONTAINED WASTE MATERIAL INDICATED THAT THE WASTE SHOULD HAVE BEEN IDENTIFIED AS CLASS B WASTE. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V). 10 CFR 105(D) STATES "...THE PROGRAM SHALL PROVIDE FOR INDOCTRINATION AND TRAINING OF PERSONNEL PERFORMING ACTIVITIES AFFECTING QUALITY AS NECESSARY TO ASSURE THAT SUITABLE PROFICIENCY IS ACHIEVED AND MAINTAINED. CONTRARY TO THE ABOVE, THE RADIOACTIVE MATERIAL COORDINATOR INVOLVED IN THE TWO SHIPMENTS OF LICENSED WASTE MATERIAL MADE ON MARCH 5, 1984 AND MARCH 6, 1984, HAD NOT RECEIVED ANY DOCUMENTED INDOCTRINATION AND TRAINING IN THE NUCLEAR REGULATORY COMMISSION OR THE DEPARTMENT OF TRANSPORTATION REGULATIONS TO ASSURE THAT SUITABLE PROFICIENCY WAS ACHIEVED AND MAINTAINED. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8409 4)

ENFORCEMENT SUMMARY

10 CFR 20.311(C) STATES, "EACH MANIFEST MUST INCLUDE A CERTIFICATION BY THE WASTE GENERATOR THAT THE TRANSPORTED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION..." CONTRARY TO THE ABOVE, ON MARCH 5, 1984 AND ON MARCH 6, 1984, THE SHIPMENT MANIFEST OF THE TWO WASTE SHIPMENTS MADE ON THESE DAYS WERE SIGNED BY A SHIFT SUPERVISOR CERTIFYING THAT THE 23 CONTAINERS CONTAINED IN THE SHIPMENTS WERE PROPERLY CLASSIFIED, WHEN IN FACT THE CONTAINERS WERE NOT PROPERLY CLASSIFIED. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT V).
(8409 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-293 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: P. HAMILTON (617) 746-7905

4. Licensed Thermal Power (Mwt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>104,280.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>69,733.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>67,521.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>116,932,632</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>39,228,314</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>37,693,409</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>64.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>64.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>53.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>9.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>6,842.5</u>

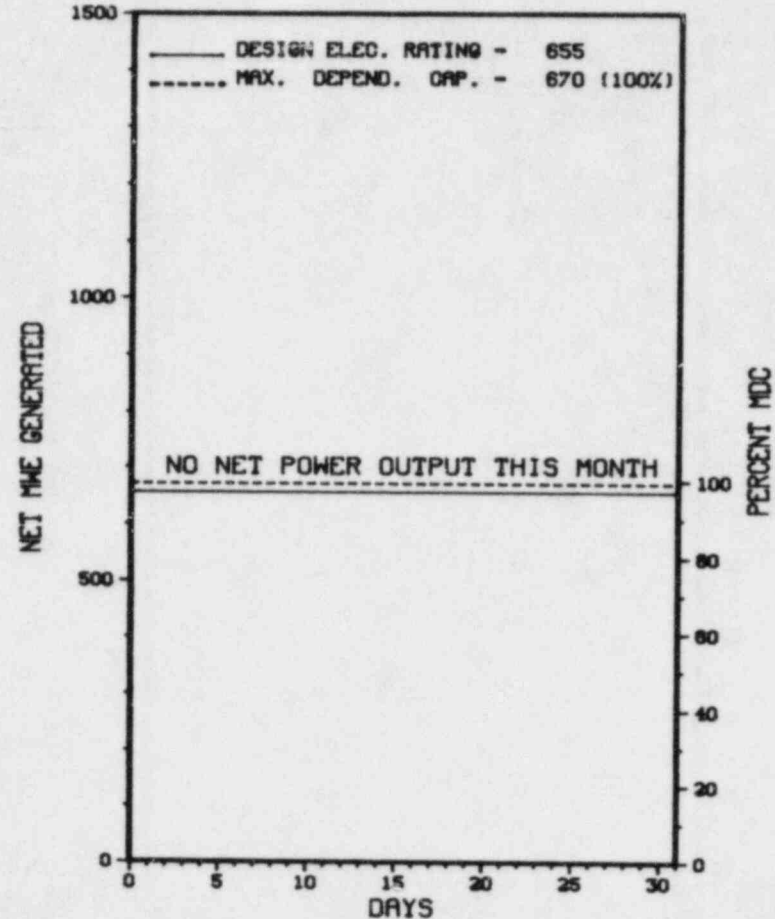
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/30/84

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Acti-	revent Recurrence
16	12/10/83	S	745.0	C	4				SHUTDOWN FOR REFUELING AND	LATION PIPE REPLACEMENT.

* SUMMARY *

PILGRIM 1 REMAINED SHUT DOWN FOR REFUELING AND RECIRCULATION PIPING REPLACEMENT DURING ALL OF OCTOBER.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* PILGRIM 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....PLYMOUTH
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI SE OF
PLYMOUTH, MASS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JUNE 16, 1972
DATE ELEC ENER 1ST GENER...JULY 19, 1972
DATE COMMERCIAL OPERATE....DECEMBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CAPE COD BAY
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....BOSTON EDISON
CORPORATE ADDRESS.....800 BOYLSTON STREET
BOSTON, MASSACHUSETTS 02199
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. JOHNSON
LICENSING PROJ MANAGER....P. LEECH
DOCKET NUMBER.....50-293
LICENSE & DATE ISSUANCE...DPR-35, SEPTEMBER 15, 1972
PUBLIC DOCUMENT ROOM.....PLYMOUTH PUBLIC LIBRARY
11 NORTH STREET
PLYMOUTH, MASSACHUSETTS 02360

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-266 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: C. W. RAUSE (414) 277-2001

4. Licensed Thermal Power (Mwt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 485

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>122,616.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>4,956.1</u>	<u>99,034.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.3</u>	<u>629.7</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,916.0</u>	<u>96,523.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>9.0</u>	<u>802.5</u>
17. Gross Therm Ener (MWH)	<u>1,114,168</u>	<u>7,217,132</u>	<u>130,752,444</u>
18. Gross Elec Ener (MWH)	<u>384,780</u>	<u>2,491,490</u>	<u>43,887,470</u>
19. Net Elec Ener (MWH)	<u>368,508</u>	<u>2,382,382</u>	<u>41,750,264</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.2</u>	<u>78.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.3</u>	<u>79.4</u>
22. Unit Cap Factor (MDC Net)	<u>102.0</u>	<u>67.1</u>	<u>69.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.5</u>	<u>65.5</u>	<u>68.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>2.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>2,406.3</u>

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

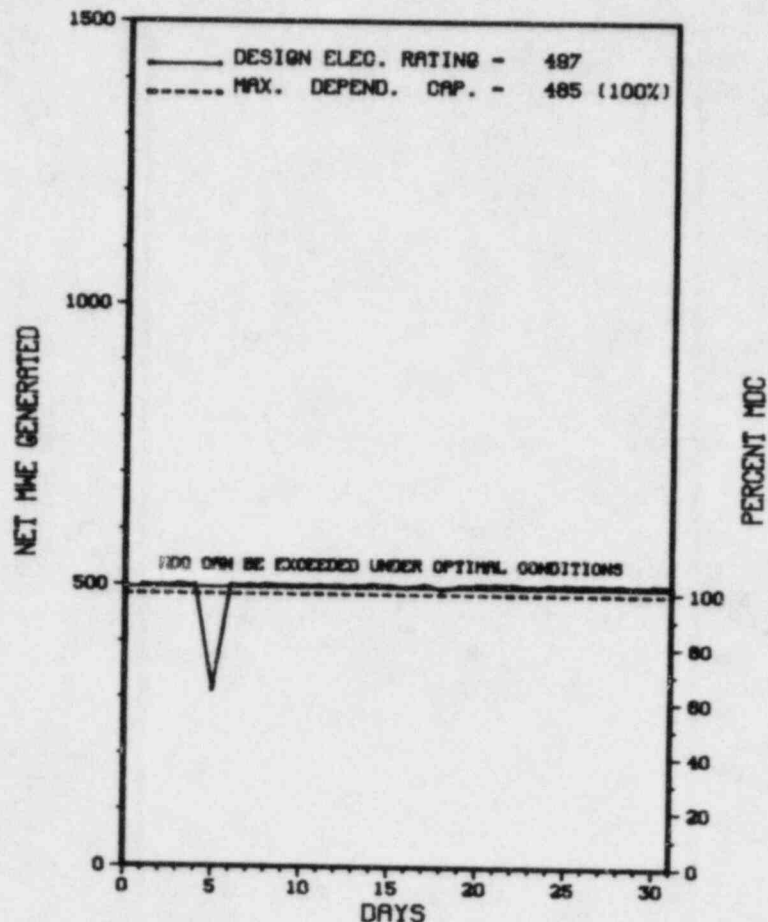
REFUELING: APRIL 19, 1985; 8 WEEKS

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

POINT BEACH 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
4	10/05/84	S	0.0	H	5		ZZ	ZZZZZ	POWER REDUCTION TO MAINTAIN 345 KV SYSTEM STABLE DURING WISCONSIN PUBLIC SERVICE CORPORATION LINE OUTAGE.

* SUMMARY *

POINT BEACH 1 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* POINT BEACH 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 2, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970
DATE COMMERCIAL OPERATE...DECEMBER 21, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IL RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 10-12, (84-16): ROUTINE, UNANNOUNCED INSPECTION OF THE POINT BEACH NUCLEAR POWER PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATION BY SIX NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; AND LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 97 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND THREE CONSULTANTS. ALTHOUGH NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED, FOUR EXERCISE WEAKNESSES WERE IDENTIFIED AS SUMMARIZED IN THE APPENDIX.

INSPECTION ON SEPTEMBER 24-28, (84-17): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 68 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 40 FINDINGS REVIEWED, 22 WERE CLOSED. NO NEW ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

4. Licensed Thermal Power (MWt): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 519

8. Maximum Dependable Capacity (Net MWe): 485

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

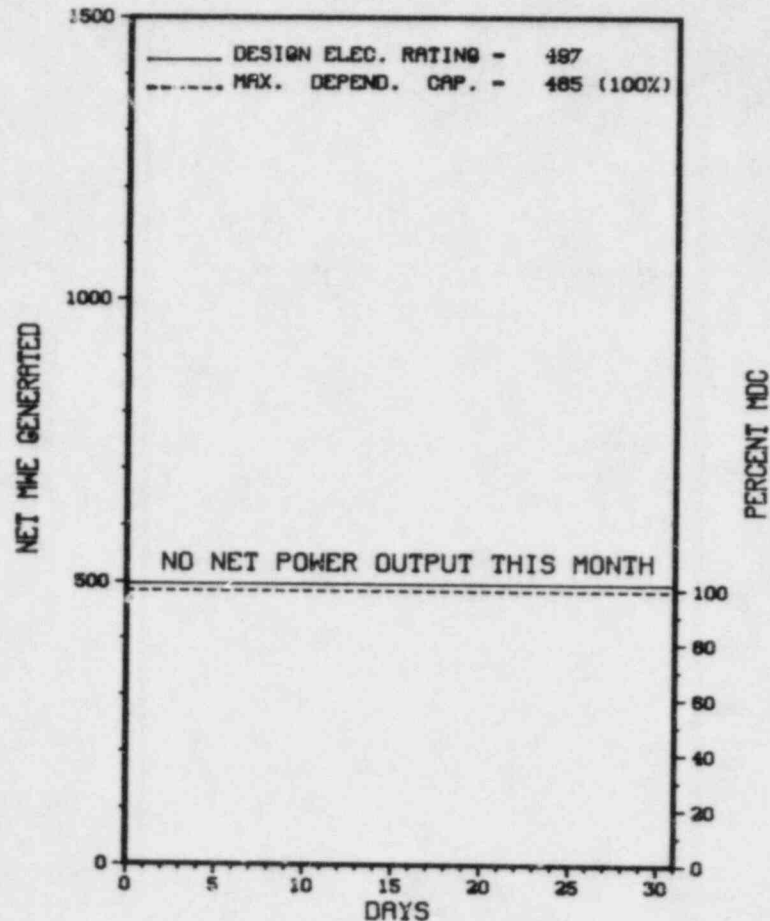
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>107,401.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,489.2</u>	<u>94,917.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>8.8</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,417.9</u>	<u>93,320.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>15.4</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,542,695</u>	<u>130,437,472</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,229,550</u>	<u>44,189,380</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,084,694</u>	<u>42,089,959</u>
20. Unit Service Factor	<u>.0</u>	<u>87.7</u>	<u>86.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>87.9</u>	<u>87.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>85.8</u>	<u>79.8*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>84.8</u>	<u>78.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>1.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>692.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. J Currently Shutdown Estimated Startup Date: 11/17/84

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 2



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	09/28/84	S	745.0	C	4		RC	FUELXX	CONTINUING 47-DAY REFUELING OUTAGE.

* SUMMARY *

POINT BEACH 2 REMAINS SHUT DOWN FOR REFUELING.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 30, 1972
DATE ELEC ENER 1ST GENFR...AUGUST 2, 1972
DATE COMMERCIAL OPERATE...OCTOBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 10-13, (84-14): ROUTINE, UNANNOUNCED INSPECTION OF THE POINT BEACH NUCLEAR POWER PLANT EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATION BY SIX NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE; AND LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED EXERCISE WEAKNESSES. THE INSPECTION INVOLVED 97 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS AND THREE CONSULTANTS. ALTHOUGH NO ITEMS OF NONCOMPLIANCE, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED, FOUR EXERCISE WEAKNESSES WERE IDENTIFIED AS SUMMARIZED IN THE APPENDIX.

INSPECTION ON SEPTEMBER 24-28, (84-15): ROUTINE, ANNOUNCED INSPECTION BY REGIONAL INSPECTORS OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 68 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE 40 FINDINGS REVIEWED, 22 WERE CLOSED. NO NEW ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS SHUTDOWN FOR A SCHEDULED REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: OCTOBER 4 - DECEMBER 31, 1984

INSPECTION REPORT NO: 84-17

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT     REPORT
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84-04    09/28/84   10/24/84   INADVERTENT ACTUATION OF THE REACTOR PROTECTION SYSTEM BY REMOVAL OF INSTRUMENT FUSES
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1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (Mwt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 534

8. Maximum Dependable Capacity (Net MWe): 503

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>95,352.0</u>
13. Hours Reactor Critical	<u>505.1</u>	<u>7,020.7</u>	<u>78,693.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>502.4</u>	<u>6,991.9</u>	<u>77,373.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>813,081</u>	<u>11,262,284</u>	<u>121,573,446</u>
18. Gross Elec Ener (MWH)	<u>273,250</u>	<u>3,730,080</u>	<u>39,609,880</u>
19. Net Elec Ener (MWH)	<u>255,347</u>	<u>3,513,699</u>	<u>37,105,128</u>
20. Unit Service Factor	<u>67.4</u>	<u>95.5</u>	<u>81.1</u>
21. Unit Avail Factor	<u>67.4</u>	<u>95.5</u>	<u>81.1</u>
22. Unit Cap Factor (MDC Net)	<u>68.1</u>	<u>95.4</u>	<u>77.4</u>
23. Unit Cap Factor (DER Net)	<u>64.7</u>	<u>90.6</u>	<u>73.4</u>
24. Unit Forced Outage Rate	<u>32.6</u>	<u>3.5</u>	<u>8.1</u>
25. Forced Outage Hours	<u>242.6</u>	<u>257.1</u>	<u>3,178.0</u>

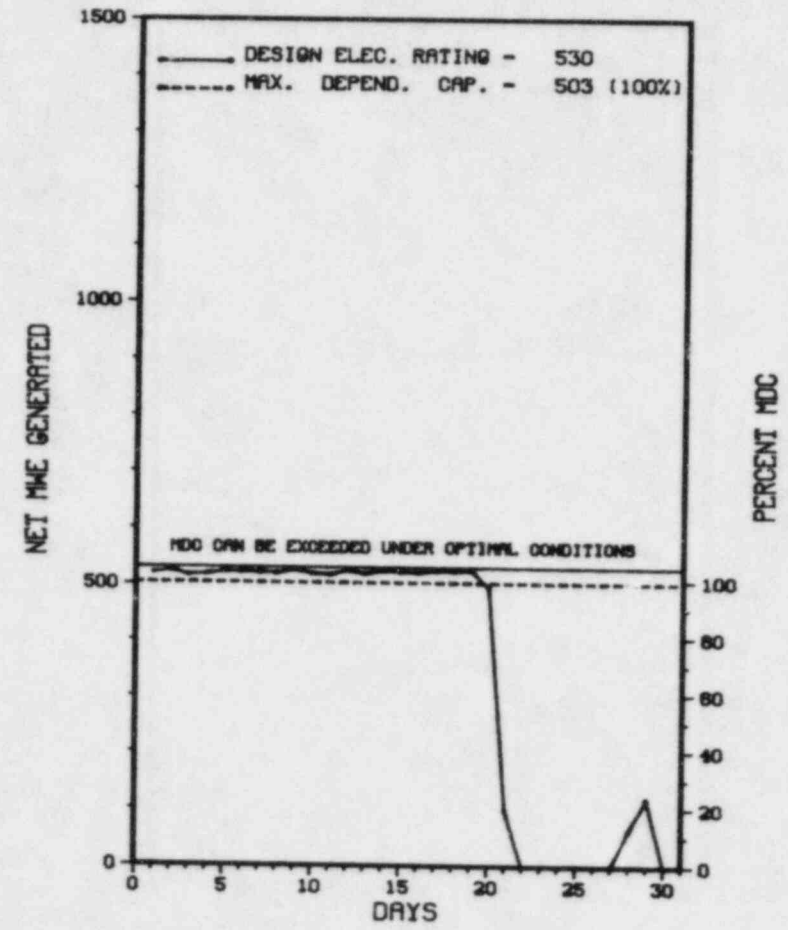
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
TEN YEAR OVERHAUL IN JANUARY 1985.

27. If Currently Shutdown Estimated Startup Date: 11/15/84

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/20/84	S	0.0	B	5				AXIAL OFFSET TEST.
	10/21/84	F	178.1	A	2				STEAM GENERATOR TUBE LEAK.
	10/28/84	S	0.0	B	5				TURBINE OVERSPEED TRIP TEST.
	10/28/84	F	64.5	A	2	84-010	AB	G	STEAM GENERATOR TUBE LEAK.

 * SUMMARY *

 PRAIRIE ISLAND 1 INCURRED 2 SHUTDOWNS IN OCTOBER FOR STEAM GENERATOR TUBE LEAKS.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA

COUNTY.....GOODHUE

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...DECEMBER 1, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282

LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974

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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

NO INSPECTION SUMMARIES FOR THIS TIME PERIOD.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT WAS SHUTDOWN ON 10/29/84 DUE TO A STEAM GENERATOR TUBE LEAK.

LAST IE SITE INSPECTION DATE: NOVEMBER 2, 1984

INSPECTION REPORT NO: 84-15

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-05	08/30/84	09/28/84	REACTOR TRIP
84-06	08/31/84	09/28/84	REACTOR TRIP ON STARTUP
84-07	09/05/84	10/05/84	INADVERTENT AUTOMATIC START OF D1 DIESEL GENERATOR
84-08	09/18/84	10/18/84	BOTH DIESEL GENERATORS INADVERTENTLY STARTED DURING RELAY CALIBRATION

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1. Docket: 50-306 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: DALE DUGSTAD (612) 388-1121
4. Licensed Thermal Power (MWt): 1650
5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593
6. Design Electrical Rating (Net MWe): 530
7. Maximum Dependable Capacity (Gross MWe): 531
8. Maximum Dependable Capacity (Net MWe): 500
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

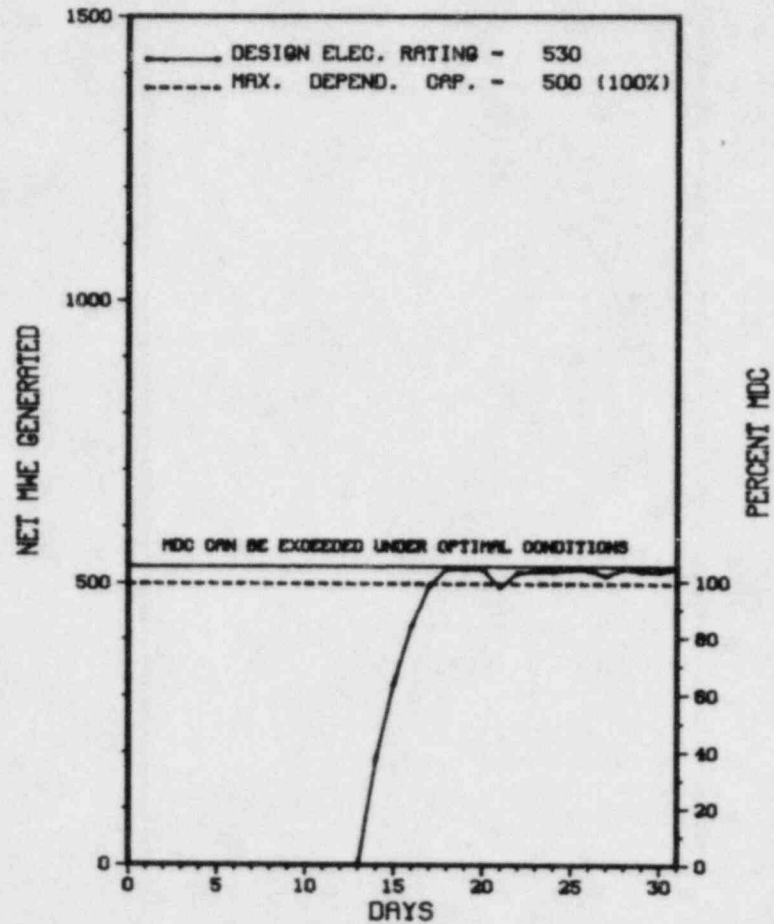
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>86,470.0</u>
13. Hours Reactor Critical	<u>452.5</u>	<u>6,380.0</u>	<u>74,630.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>440.7</u>	<u>6,367.1</u>	<u>73,660.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>669,970</u>	<u>10,025,173</u>	<u>115,757,031</u>
18. Gross Elec Ener (MWH)	<u>223,030</u>	<u>3,321,510</u>	<u>37,428,910</u>
19. Net Elec Ener (MWH)	<u>207,445</u>	<u>3,136,724</u>	<u>35,111,607</u>
20. Unit Service Factor	<u>59.2</u>	<u>87.0</u>	<u>85.2</u>
21. Unit Avail Factor	<u>59.2</u>	<u>87.0</u>	<u>85.2</u>
22. Unit Cap Factor (MDC Net)	<u>55.7</u>	<u>85.7</u>	<u>81.2</u>
23. Unit Cap Factor (DER Net)	<u>52.5</u>	<u>80.9</u>	<u>76.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>4.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>3,315.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
TEN YEAR OUTAGE IN AUGUST 1985.
27. If Currently Shutdown Estimated Startup Date: N/A

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	09/03/84	S	304.3	C	4				REFUELING OUTAGE CYCLE 8 TO 9 CONCLUDES.
	10/13/84	S	0.0	B	5				TURBINE OVERSPEED AND TRIP TEST.
	10/21/84	S	0.0	B	5				AXIAL OFFSET TEST.

* SUMMARY *

PRAIRIE ISLAND 2 COMPLETED A REFUELING OUTAGE ON OCTOBER 14TH.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....NORTHERN STATES POWER

CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....NORTHERN STATES POWER COMPANY

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306

LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974

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300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 10-14, (84-12): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING UNIT-2 REFUELING ACTIVITIES, INCLUDING: INTERNAL AND EXTERNAL EXPOSURE CONTROL; CONTAMINATION CONTROL; TRAINING; THE ALARA PROGRAM; AUDITS; POSTING AND LABELING; SELECTED OPEN ITEMS; AND ENGINEERED SAFETY FEATURE (ESF) FILTER DRAIN LINES. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 6-7, AND 24-26, (84-13): ROUTINE UNANNOUNCED SAFETY INSPECTION TO REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATION (NDE), PERSONNEL CERTIFICATIONS AND DATA; STEAM GENERATOR (UNIT 2) BLOWDOWN MODIFICATION; STEAM GENERATOR ANTIVIBRATION BAR (AVB) WASH AND SLUDGE LANCING. THE INSPECTION INVOLVED A TOTAL OF 25 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT WAS RETURNED TO SERVICE FOLLOWING COMPLETION OF A REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 22 -26, 1984

INSPECTION REPORT NO: 84-16

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-02	09/28/84	10/29/84	TWO PRESSURIZER PRESSURE INSTRUMENTS FOUND OUT OF CALIBRATION

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1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

4. Licensed Thermal Power (Mwt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>109,344.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>3,357.9</u>	<u>86,913.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>3,308.2</u>	<u>83,655.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,782,849</u>	<u>7,509,975</u>	<u>172,616,681</u>
18. Gross Elec Ener (MWH)	<u>589,219</u>	<u>2,486,015</u>	<u>55,744,743</u>
19. Net Elec Ener (MWH)	<u>564,401</u>	<u>2,358,824</u>	<u>51,964,084</u>
20. Unit Service Factor	<u>100.0</u>	<u>45.2</u>	<u>76.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>45.2</u>	<u>77.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.5</u>	<u>41.9</u>	<u>61.8</u>
23. Unit Cap Factor (DER Net)	<u>96.0</u>	<u>40.8</u>	<u>60.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>5.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.0</u>	<u>2,771.0</u>

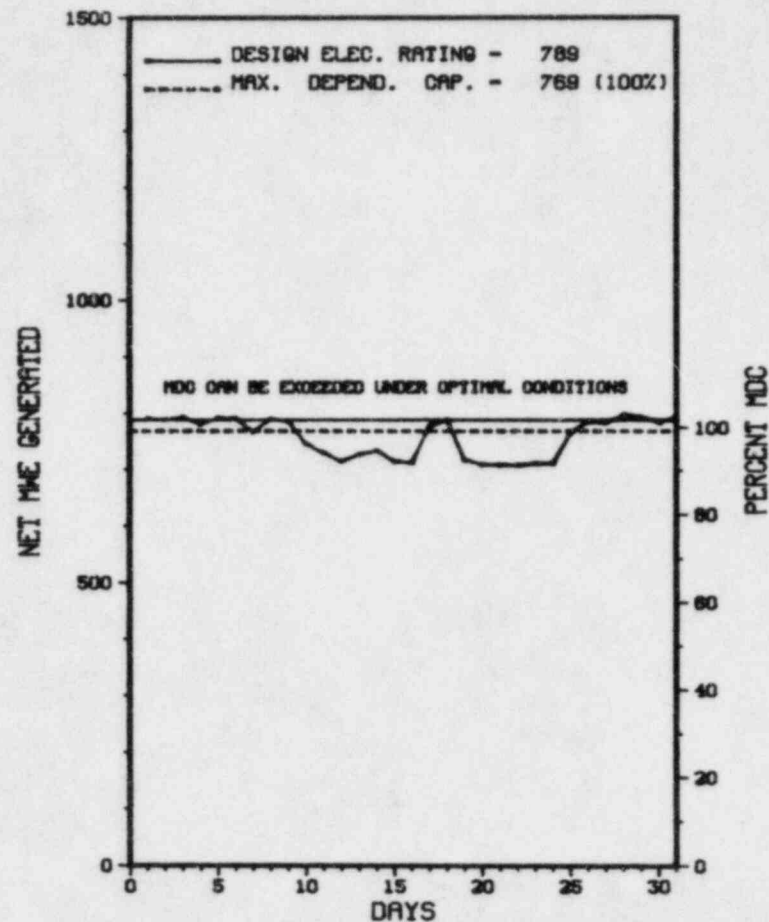
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* Q U A D C I T I E S 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Q U A D C I T I E S 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-25	10/07/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-26	10/10/84	S	0.0	F	5		XX	ZZZZZ	REDUCED LOAD TO PLACE THE UNIT IN EGC OPERATION.
84-27	10/12/84	S	0.0	F	5		XX	ZZZZZ	REDUCED LOAD TO CHANGE EGC LOAD LIMIT SETPOINT.
84-28	10/13/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-29	10/19/84	S	0.0	F	5		XX	ZZZZZ	REDUCED LOAD TO PLACE THE UNIT IN EGC OPERATION.
84-30	10/21/84	S	0.0	F	5		XX	ZZZZZ	REDUCED LOAD TO PLACE THE UNIT IN EGC OPERATION.
84-31	10/28/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

 * SUMMARY *

 QUAD CITIES OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS REPORTED.

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

* QUAD CITIES 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 27-30, (84-09): ROUTINE, ANNOUNCED INSPECTION OF THE QUAD-CITIES STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. EXERCISE WEAKNESSES WHICH REQUIRE A WRITTEN RESPONSE ARE IDENTIFIED IN THE REPORT AND IN THE APPENDIX TO THE REPORT'S TRANSMITTAL LETTER.

INSPECTION ON AUGUST 5 THROUGH SEPTEMBER 5, (84-14): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; IE INFORMATION NOTICE FOLLOWUP; REACTOR SCRAMS; PROCEDURES; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; FOLLOWUP ON REGIONAL REQUESTS; FOLLOWUP ON HEADQUARTERS REQUESTS; INDEPENDENT INSPECTION EFFORT; AND THE EMERGENCY PREPAREDNESS EXERCISE. THE INSPECTION INVOLVED A TOTAL OF 196 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 40 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 6 THROUGH OCTOBER 6, (84-16): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE/MODIFICATIONS; SURVEILLANCE; FIRE PROTECTION; EMERGENCY PREPAREDNESS; SECURITY, QUALITY ASSURANCE; QUALITY CONTROL; ADMINISTRATION; PROCEDURES; ROUTINE AND NON-ROUTINE REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 210 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

MEETING ON SEPTEMBER 7, 1984 (84-17): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING. INSPECTION ON SEPTEMBER 24 THROUGH SEPTEMBER 28, (84-19): SPECIAL, ANNOUNCED INSPECTION BY SENIOR RESIDENT INSPECTORS AND A REGION-BASED INSPECTOR OF PLANT OPERATIONS; MAINTENANCE; SURVEILLANCE; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 113 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 23 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE FOUR AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO PROPERLY CONTROL A HIGH RADIATION AREA DOOR - PARAGRAPH 4.A).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: NOVEMBER 11 - DECEMBER 15, 1984

INSPECTION REPORT NO: 84-25

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-18	09/24/84	10/11/84	STANDBY GAS TREATMENT SYSTEM AUTO-START

1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

4. Licensed Thermal Power (Mwt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

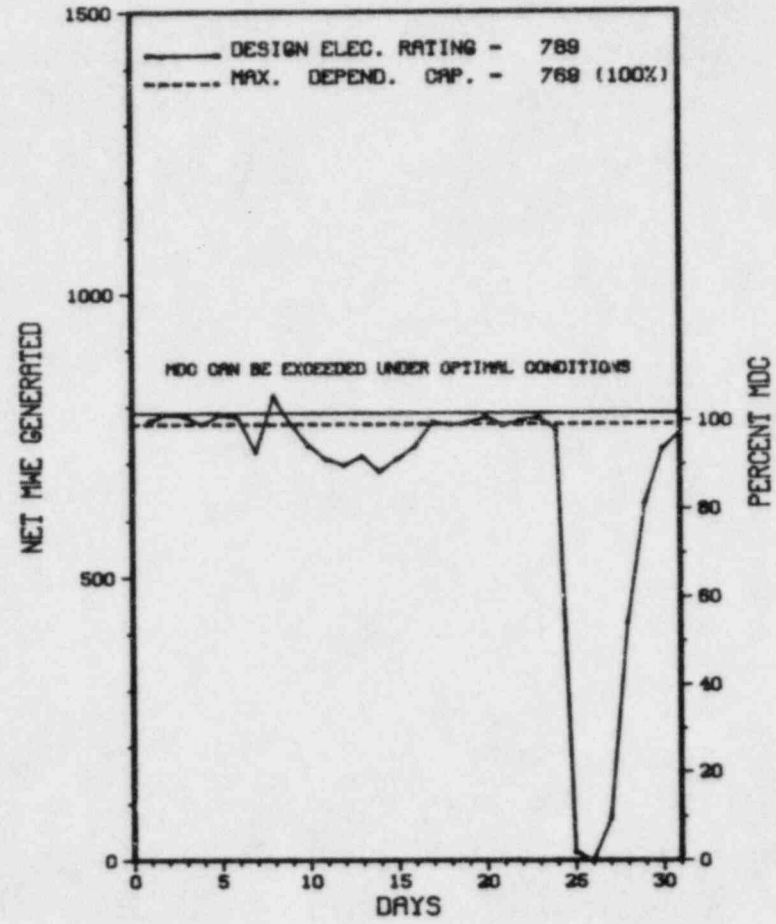
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>108,454.0</u>
13. Hours Reactor Critical	<u>695.9</u>	<u>5,709.7</u>	<u>83,627.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>684.2</u>	<u>5,581.1</u>	<u>80,790.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,606,077</u>	<u>13,137,864</u>	<u>168,519,952</u>
18. Gross Elec Ener (MWH)	<u>520,137</u>	<u>4,236,979</u>	<u>53,672,737</u>
19. Net Elec Ener (MWH)	<u>498,338</u>	<u>4,041,829</u>	<u>50,376,703</u>
20. Unit Service Factor	<u>91.8</u>	<u>76.2</u>	<u>74.5</u>
21. Unit Avail Factor	<u>91.8</u>	<u>76.2</u>	<u>75.1</u>
22. Unit Cap Factor (MDC Net)	<u>87.0</u>	<u>71.8</u>	<u>60.4</u>
23. Unit Cap Factor (DER Net)	<u>84.8</u>	<u>70.0</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>8.2</u>	<u>4.0</u>	<u>8.3</u>
25. Forced Outage Hours	<u>60.8</u>	<u>231.0</u>	<u>3,421.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* Q U A D C I T I E S 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
QUAD CITIES 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

XX
 * QUAD CITIES 2 *
 XX

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-46	10/07/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-47	10/10/84	S	0.0	F	5		XX	ZZZZZ	REDUCED LOAD TO PLACE THE UNIT IN EGC OPERATION.
84-48	10/21/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-49	10/24/84	F	0.0	A	5		HB	VALVEX	REDUCED LOAD DUE TO LEAKING SERVO VALVE ON EHC SYSTEM.
84-50	10/25/84	F	60.8	H	3		ZZ	ZZZZZ	REACTOR SCRAM DUE TO HIGH REACTOR PRESSURE.
84-51	10/25/84	F	0.0	H	5		HA	TURBIN	REDUCED LOAD DUE TO HIGH TURBINE VIBRATION.
84-52	10/31/84	S	0.0	B	5		HB	VALVEX	REDUCED LOAD TO PERFORM MSIV TESTING.

XXXXXXXXXXXX QUAD CITIES 2 INCURRED 1 REACTOR SCRAM IN OCTOBER FOR HIGH REACTOR PRESSURE.
 * SUMMARY *
 XXXXXXXXXXXXXXX

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* QUAD CITIES 2 *

FACILITY DATA

Report Period OCT 1984

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
COUNCILMID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 27-30, (84-08): ROUTINE, ANNOUNCED INSPECTION OF THE QUAD-CITIES STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS AND FOUR CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED. EXERCISE WEAKNESSES WHICH REQUIRE A WRITTEN RESPONSE ARE IDENTIFIED IN THE REPORT AND IN THE APPENDIX TO THE REPORT'S TRANSMITTAL LETTER.

INSPECTION ON AUGUST 5 THROUGH SEPTEMBER 5, (84-12): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETIN FOLLOWUP; IE INFORMATION NOTICE FOLLOWUP; REACTOR SCRAMS; PROCEDURES; REVIEW OF LICENSEE'S MONTHLY PERFORMANCE REPORT; FOLLOWUP ON REGIONAL REQUESTS; FOLLOWUP ON HEADQUARTERS REQUESTS; INDEPENDENT INSPECTION EFFORT; AND THE EMERGENCY PREPAREDNESS EXERCISE. THE INSPECTION INVOLVED A TOTAL OF 196 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 40 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 6 THROUGH OCTOBER 6, (84-14): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF OPERATIONS; RADIOLOGICAL CONTROLS; MAINTENANCE/MODIFICATIONS; SURVEILLANCE; FIRE PROTECTION; EMERGENCY PREPAREDNESS; SECURITY, QUALITY ASSURANCE; QUALITY CONTROL; ADMINISTRATION; PROCEDURES; ROUTINE AND NON-ROUTINE REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 210 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 42 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SUMMARY

MEETING ON SEPTEMBER 7, 1984 (84-15): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING. INSPECTION ON SEPTEMBER 24 THROUGH SEPTEMBER 28, (84-17): SPECIAL, ANNOUNCED INSPECTION BY SENIOR RESIDENT INSPECTORS AND A REGION-BASED INSPECTOR OF PLANT OPERATIONS; MAINTENANCE; SURVEILLANCE; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 113 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS INCLUDING 23 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE FOUR AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (FAILURE TO PROPERLY CONTROL A HIGH RADIATION AREA DOOR - PARAGRAPH 4.A).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: NOVEMBER 11 - DECEMBER 15, 1984

INSPECTION REPORT NO: 84-23

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

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NUMBER    DATE OF    DATE OF    SUBJECT
          EVENT    REPORT
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84-07    06/10/84    10/15/84    UNIT SCRAM CAUSED BY #4 TURBINE CONTROL FAST CLOSURE
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1. Docket: 50-312 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: RON COLOMBO (916) 452-3211

4. Licensed Thermal Power (MWT): 2772

5. Nameplate Rating (Gross MWe): 1070 X 0.9 = 963

6. Design Electrical Rating (Net MWe): 918

7. Maximum Dependable Capacity (Gross MWe): 917

8. Maximum Dependable Capacity (Net MWe): 873

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>83,641.0</u>
13. Hours Reactor Critical	<u>100.7</u>	<u>4,093.5</u>	<u>48,445.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>790.9</u>	<u>10,104.7</u>
15. Hrs Generator On-Line	<u>90.8</u>	<u>3,932.2</u>	<u>46,474.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>114,046</u>	<u>9,411,608</u>	<u>115,322,950</u>
18. Gross Elec Ener (MWH)	<u>41,861</u>	<u>3,146,163</u>	<u>38,542,235</u>
19. Net Elec Ener (MWH)	<u>30,751</u>	<u>2,928,792</u>	<u>36,303,116</u>
20. Unit Service Factor	<u>12.2</u>	<u>53.7</u>	<u>55.6</u>
21. Unit Avail Factor	<u>12.2</u>	<u>53.7</u>	<u>57.0</u>
22. Unit Cap Factor (MDC Net)	<u>4.7</u>	<u>45.8</u>	<u>49.7</u>
23. Unit Cap Factor (DER Net)	<u>4.5</u>	<u>43.6</u>	<u>47.3</u>
24. Unit Forced Outage Rate	<u>87.8</u>	<u>46.3</u>	<u>29.9</u>
25. Forced Outage Hours	<u>654.2</u>	<u>3,387.8</u>	<u>19,797.8</u>

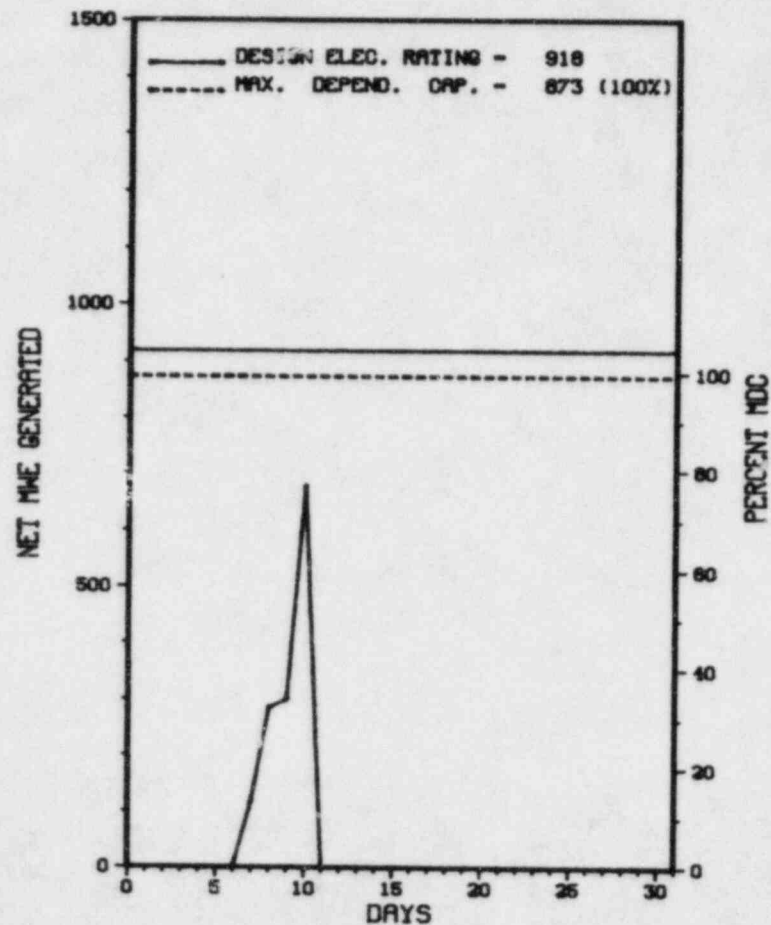
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - MARCH 1, 1985, THREE MONTHS.

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

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/31/84	F	155.9	A	1	84-20	CI	HTEXCH	"B" OTSG TUBE LEAK AND HIGH IODINE LEVEL.
10	10/11/84	F	498.3	A	1	84-22	CI	HTEXCH	"A" OTSG TUBE LEAK.

 * SUMMARY *

 RANCHO SECO EXPERIENCED 2 SHUTDOWNS IN OCTOBER AS DESCRIBED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* RANCHO SECO 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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 1975
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...FOLSOM CANAL
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT
CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. ECKHARD
LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON JUNE 26 - SEPTEMBER 21, 1984 (REPORT NO. 50-312/84-14) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF NEW EMPLOYEE TRAINING AND HEALTH PHYSICS TRAINING; FOLLOW-UP ON LER AND OPERATIONS PROGRAM OPEN ITEMS; MAINTENANCE CONTROL; POST MAINTENANCE TESTING. THE INSPECTION INVOLVED 146 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: ONE VIOLATION WAS IDENTIFIED IN THE AREA OF LICENSED OPERATOR REQUALIFICATION TRAINING AND ALSO IN WELD ROD CONTROL.

+ INSPECTION ON JULY 23-27, 1984 (REPORT NO. 50-312/84-17) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JULY 21 - AUGUST 29, 1984 (REPORT NO. 50-312/84-19) AREAS INSPECTED: THIS ROUTINE INSPECTION BY THE RESIDENT AND REGIONAL INSPECTORS INVOLVED THE AREAS OF OPERATIONAL SAFETY VERIFICATION, FOLLOW-UP OF LERS, MAINTENANCE, TMI ITEMS, HOUSEKEEPING AND MANAGEMENT MEETING WITH THE LICENSEE'S BOARD OF DIRECTORS. THE INSPECTION INVOLVED 480 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.

RESULTS: OF THE AREAS INSPECTED, TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE AREAS OF HOUSEKEEPING AND MAINTENANCE.

+ INSPECTION ON SEPTEMBER 10-13, 1984 (REPORT NO. 50-312/84-20) AREAS INSPECTED: ANNOUNCED INSPECTION OF THE EMERGENCY PREPAREDNESS EXERCISE AND ASSOCIATED CRITIQUE, THE OPEN ITEM FROM THE JUNE 18-22, 1984 INSPECTION, LICENSEE ACTION ON INFORMATION NOTICE 83-28 AND THE AUGUST 10, 1984 MEDICAL DRILL. THE INSPECTION INVOLVED 207 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS AND

ENFORCEMENT SUMMARY

ENERGIZED MODE DURING THAT PERIOD. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION II, AS IMPLEMENTED BY SECTION 1.1B.2 OF APPENDIX B OF THE UPDATED FSAR AND THE SMUD QUALITY ASSURANCE MANUAL SECTION 3 AND 6 ON JUNE 25-29, 1984 AT RANCHO SECO THE FOLLOWING WAS FOUND: DURING INSPECTIONS ON JUNE 25-29, 1984, ONE SIERRA TECHNOLOGY CORPORATION CONTRACT QC INSPECTOR WAS PERFORMING QC INSPECTION ON SAFETY-RELATED ITEMS IN THE NEW DIESEL GENERATOR BUILDING AND WAS NOT NAMED ON THE LIST OF AUTHORIZED INSPECTOR. (8413 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT REMAINED SHUTDOWN DURING THE ENTIRE MONTH FOR INVESTIGATION OF HIGH RCS IODINE ACTIVITY AND OTSG TUBE PLUGGING REPAIRS.

LAST IE SITE INSPECTION DATE: 10/13-11/30/84+

INSPECTION REPORT NO: 50-312/84-26+

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

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1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: A. E. SCOTT (803) 383-4524

4. Licensed Thermal Power (MWh): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>119,766.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>616.1</u>	<u>84,196.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>38.9</u>	<u>1,675.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>615.8</u>	<u>82,065.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>783,895</u>	<u>162,875,180</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>246,010</u>	<u>52,344,876</u>
19. Net Elec Ener (MWH)	<u>-3,976</u>	<u>201,207</u>	<u>49,420,831</u>
20. Unit Service Factor	<u>.0</u>	<u>8.4</u>	<u>68.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>8.4</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>4.1</u>	<u>62.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>3.9</u>	<u>58.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>17.2</u>	<u>14.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>128.2</u>	<u>8,233.5</u>

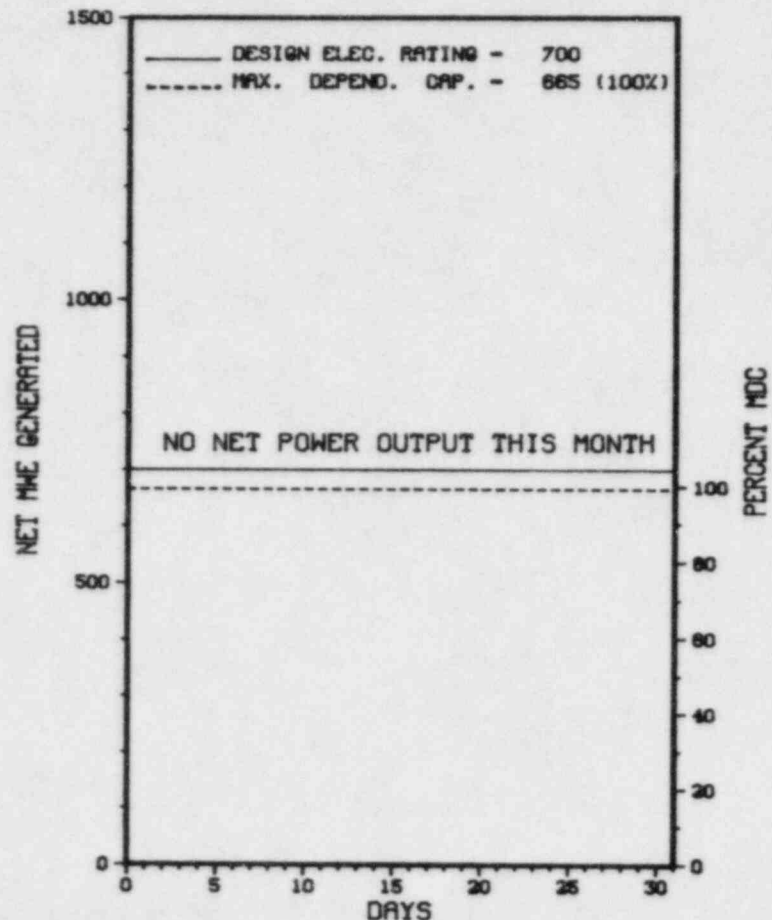
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/13/84

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1001	01/26/84	S	745.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

* SUMMARY *

ROBINSON 2 REMAINS SHUT DOWN FOR REFUELING AND STEAM GENERATOR REPLACEMENT.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.. ..DARLINGTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI NW OF
HARTSVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 20, 1970
DATE ELEC ENER 1ST GENER...SEPTEMBER 26, 1970
DATE COMMERCIAL OPERATE...MARCH 7, 1971
CONDENSER COOLING METHOD...RECIRCULATION
CONDENSER COOLING WATER...ROBINSON IMPOUNDMENT
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....S. WEISE
LICENSING PROJ MANAGER....G. REQUA
DOCKET NUMBER.....50-261
LICENSE & DATE ISSUANCE...DPR-23, SEPTEMBER 23, 1970
PUBLIC DOCUMENT ROOM.....HARTSVILLE MEMORIAL LIBRARY
220 N. FIFTH ST.
HARTSVILLE, SOUTH CAROLINA 29550

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 10-14 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS ON SITE (3 HOURS ON BACKSHIFT) INSPECTING: SECURITY ORGANIZATION (PERSONNEL ANND RESPONSE), SECURITY PROGRAM AUDIT, TESTING AND MAINTENANCE, PHYSICAL BARRIERS (PROTECTED AND VITAL AREAS), SECURITY SYSTEM POWER SUPPLY, ASSESSMENT AIDS, ACCESS CONTROL (PERSONNEL, PACKAGES, AND VEHICLES), DETECTION AIDS (PROTECTED AND VITAL AREAS), AND ALARM STATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-12 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 24 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, PRESERVICE INSPECTION (PSI)/INSERVICE INSPECTION (ISI), AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-272 OPERATING STATUS
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: J. P. RONAFALVY (609) 935-6000 X4455
4. Licensed Thermal Power (Mwt): 3338
5. Nameplate Rating (Gross MWe): 1300 X 0.9 = 1170
6. Design Electrical Rating (Net MWe): 1090
7. Maximum Dependable Capacity (Gross MWe): 1124
8. Maximum Dependable Capacity (Net MWe): 1079
9. If Changes Occur Above Since Last Report, Give Reasons:
 NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

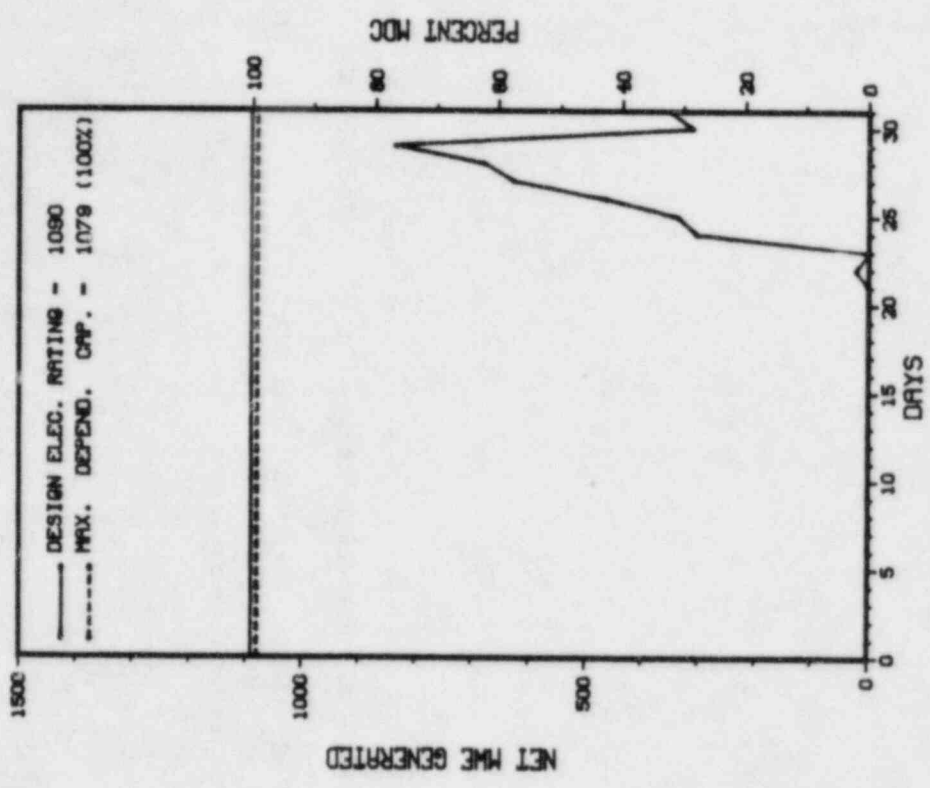
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>64,345.0</u>
13. Hours Reactor Critical	<u>368.8</u>	<u>1,606.4</u>	<u>34,757.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>54.5</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>205.6</u>	<u>1,403.4</u>	<u>33,181.1</u>
16. Unit Reserve Sh:down Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>389,047</u>	<u>4,189,070</u>	<u>100,010,647</u>
18. Gross Elec Ener (MMH)	<u>104,040</u>	<u>1,385,420</u>	<u>32,998,318</u>
19. Net Elec Ener (MMH)	<u>77,715</u>	<u>1,268,501</u>	<u>31,239,813</u>
20. Unit Service Factor	<u>27.6</u>	<u>19.2</u>	<u>51.6</u>
21. Unit Avail Factor	<u>27.6</u>	<u>19.2</u>	<u>51.6</u>
22. Unit Cap Factor (MDC Net)	<u>9.7</u>	<u>16.1</u>	<u>45.0</u>
23. Unit Cap Factor (DER Net)	<u>9.6</u>	<u>15.9</u>	<u>44.5</u>
24. Unit Forced Outage Rate	<u>62.2</u>	<u>70.6</u>	<u>34.3</u>
25. Forced Outage Hours	<u>338.8</u>	<u>3,725.0</u>	<u>17,588.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
 NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 * SALEM 1 *
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-180	09/10/84	F	207.0	A	4		RB	CRDRVE	NUCLEAR OTHER CONTROL ROD DRIVE PROBLEM.
84-182	10/09/84	S	200.6	B	9		RC	ZZZZZZ	NUCLEAR CORE PHYSICS TEST.
84-184	10/17/84	F	100.2	A	9		HA	XXXXXX	SEAL OIL SYSTEM AND SEALS GENERATOR.
84-186	10/22/84	F	1.2	B	9		HA	ZZZZZZ	TURBINE OVERSPEED TRIP TEST.
84-188	10/22/84	F	30.4	A	3		HA	INSTRU	TURBINE INSTRUMENTS.
84-190	10/24/84	S	0.0	B	5		RC	ZZZZZZ	NUCLEAR CORE PHYSICS TEST.
84-192	10/25/84	F	0.0	A	5		HH	PUMPXX	STEAM GENERATOR FEED PUMP PROBLEMS.
84-194	10/28/84	F	0.0	A	5		HH	PUMPXX	CONDENSATE/HOTWELL PUMPS.
84-196	10/28/84	F	0.0	A	5		HA	XXXXXX	LOSS OF VACUUM/HIGH BACK PRESSURE.
84-200	10/30/84	F	0.0	A	5		CB	INSTRU	REACTOR COOLANT PUMP INSTRUMENTATION.
84-202	10/30/84	F	0.0	A	5		HA	XXXXXX	LOSS OF VACUUM/HIGH BACK PRESSURE.

 * SUMMARY *

 SALEM 1 INCURRED SEVERAL SHUTDOWNS AS DETAILED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* SALEM 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 11, 1976
DATE ELEC ENER 1ST GENER...DECEMBER 25, 1976
DATE COMMERCIAL OPERATE...JUNE 30, 1977
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER.....D. FISCHER
DOCKET NUMBER.....50-272
LICENSE & DATE ISSUANCE...DPR-70, DECEMBER 1, 1976
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

FAILURE TO REVIEW, IDENTIFY, AND DISTRIBUTE REVISIONS TO THE TECHNICAL SPECIFICATION TO THE DEPARTMENT RESPONSIBLE FOR SURVEILLANCE ACTIVITIES. FAILURE TO REVIEW, IDENTIFY, AND DISTRIBUTE REVISIONS TO THE TECHNICAL SPECIFICATION TO THE DEPARTMENT RESPONSIBLE FOR SURVEILLANCE ACTIVITIES.
(8414 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:
NO INPUT PROVIDED.

1. Docket: 50-311 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/84 Outage + On-Line Hrs: 745.0
3. Utility Contact: J. P. RONAFALVY (609) 935-6000 X4455
4. Licensed Thermal Power (Mht): 3411
5. Nameplate Rating (Gross MWe): 1162
6. Design Electrical Rating (Net MWe): 1115
7. Maximum Dependable Capacity (Gross MWe): 1149
8. Maximum Dependable Capacity (Net MWe): 1106

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	745.0	7,320.0	26,761.0
13. Hours Reactor Critical	81.2	3,386.0	15,094.5
14. Rx Reserve Shtdwn Hrs	.0	1,443.0	3,533.6
15. Hrs Generator On-Line	81.2	3,194.8	14,612.1
16. Unit Reserve Shtdwn Hrs	.0	.0	.0
17. Gross Therm Ener (MMH)	276,166	10,255,964	43,727,036
18. Gross Elec Ener (MMH)	94,330	3,409,360	14,277,650
19. Net Elec Ener (MMH)	84,749	3,207,002	13,524,253
20. Unit Service Factor	10.9	43.6	54.6
21. Unit Avail Factor	10.9	43.6	54.6
22. Unit Cap Factor (MDC Net)	10.3	39.6	45.7
23. Unit Cap Factor (DER Net)	10.2	39.3	45.3
24. Unit Forced Outage Rate	89.1	56.4	36.2
25. Forced Outage Hours	663.8	4,125.2	8,308.3

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

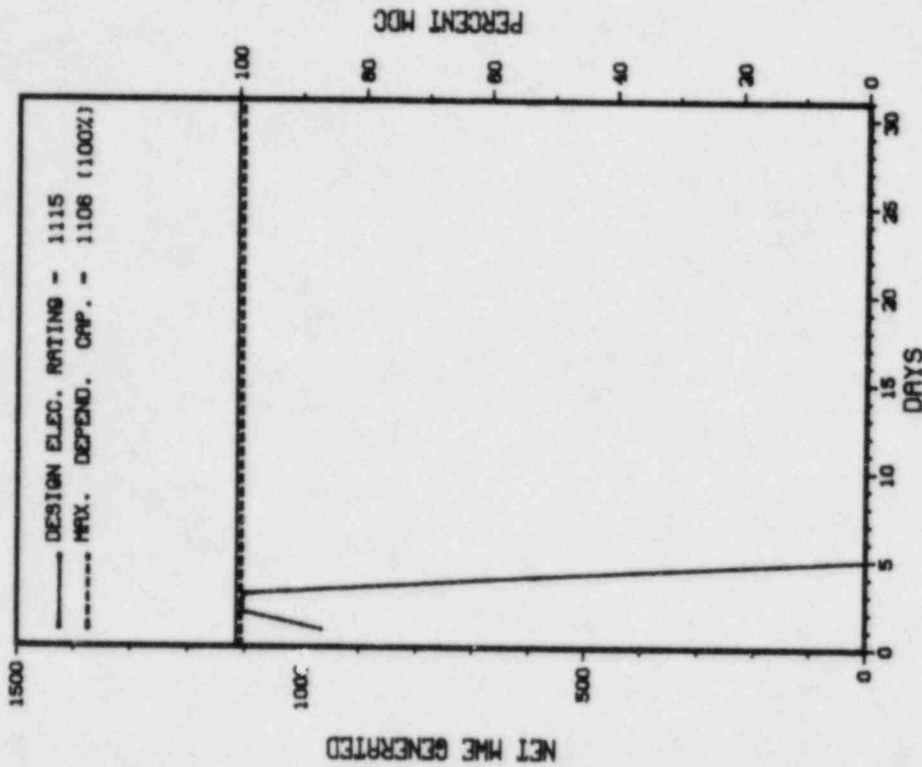
NONE

27. If Currently Shutdown Estimated Startup Date: 04/01/85

 X SALEM 2

 AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-300	10/04/84	F	663.8	A	3		HA	GENERA	STATOR WINDINGS.

* SUMMARY *

SALEM 2 SHUT DOWN ON OCTOBER FOR GENERATOR STATOR WINDING PROBLEMS AND REMAINS SHUT DOWN.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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...DNCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS 80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE I
IE RESIDENT INSPECTOR T. LINVILLE
LICENSING PROJ MANAGER D. FISCHER
DOCKET NUMBER 50-311
LICENSE & DATE ISSUANCE DPR-75, MAY 20, 1981
PUBLIC DOCUMENT ROOM SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (Mwt): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

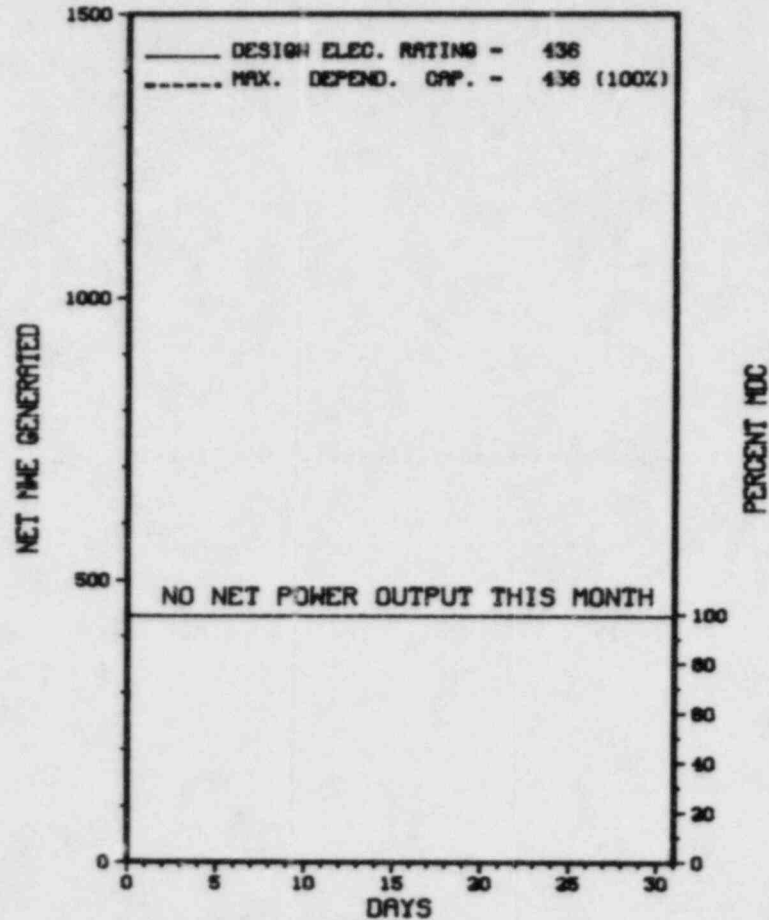
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>152,360.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>88,440.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>84,821.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>108,263,946</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>36,906,434</u>
19. Net Elec Ener (MWH)	<u>-2,721</u>	<u>-16,968</u>	<u>34,924,791</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>55.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>55.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>52.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>52.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>21.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>11,178.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/23/84

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SAN ONOFRE 1



OCTOBER 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	745.0	B	4		ZZ	EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.

 * SUMMARY *

 SAN ONOFRE 1 REMAINS SHUT DOWN FOR SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SAN ONOFRE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIS; AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 14, 1967
DATE ELEC ENER 1ST GENER...JULY 16, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. DANGELO
LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-206
LICENSE & DATE ISSUANCE....DPR-13, MARCH 27, 1967
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE BRANCH LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA 92672

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

INSPECTION SUMMARY

- + INSPECTION ON JULY 27 - SEPTEMBER 7, 1984 (REPORT NO. 50-206/84-19) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 4-7 AND 24-28, 1984 (REPORT NO. 50-206/84-23) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENTS; LICENSEE ACTION ON IE BULLETINS; LICENSEE ACTION ON PREVIOUS NRC INSPECTION ITEMS; EMPLOYEE TRAINING; AND LICENSEE EVENT REPORTS (LER'S). THE INSPECTION INVOLVED 48 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE INSPECTION ALSO INVOLVED 24 INSPECTOR-HOURS IN OFFICE.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 18 - OCTOBER 30, 1984 (REPORT NO. 50-206/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 1-5, 1984 (REPORT NO. 50-206/84-25) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON YMI ACTION PLAN REQUIREMENTS. THE INSPECTION INVOLVED 31 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 1-4, 1984 (REPORT NO. 50-206/84-26) REPORT CANCELLED.
- + INSPECTION ON OCTOBER 15-19, 1984 (REPORT NO. 50-206/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period OCT 1984

REPORTS FROM LICENSEE

* SAN ONOFRE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			

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1. Docket: 50-361 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (Mwt): 3410

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1070

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1070

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>10,825.0</u>
13. Hours Reactor Critical	<u>472.9</u>	<u>5,272.4</u>	<u>7,885.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>472.8</u>	<u>5,170.7</u>	<u>7,732.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,253,483</u>	<u>16,584,748</u>	<u>25,078,283</u>
18. Gross Elec Ener (MWH)	<u>449,782</u>	<u>5,577,911</u>	<u>8,489,875</u>
19. Net Elec Ener (MWH)	<u>423,611</u>	<u>5,272,644</u>	<u>8,048,288</u>
20. Unit Service Factor	<u>63.5</u>	<u>70.6</u>	<u>71.4</u>
21. Unit Avail Factor	<u>63.5</u>	<u>70.6</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>53.1</u>	<u>67.2</u>	<u>69.5</u>
23. Unit Cap Factor (DER Net)	<u>53.1</u>	<u>67.2</u>	<u>69.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.9</u>	<u>3.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>208.7</u>	<u>309.6</u>

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

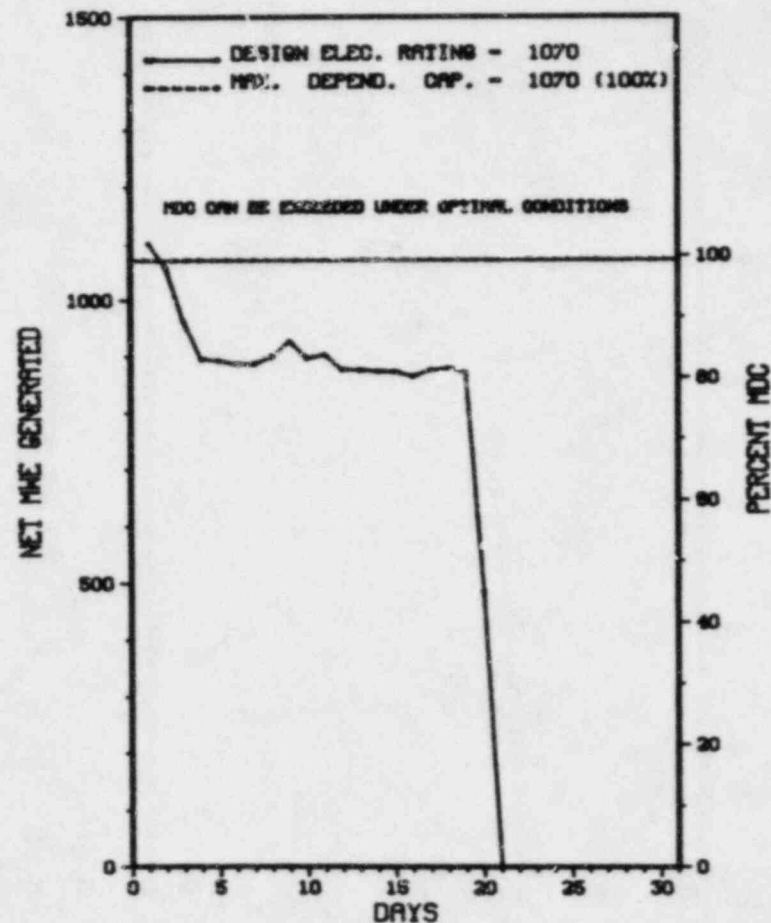
NONE

27. If Currently Shutdown Estimated Startup Date: 02/08/85

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	10/20/84	S	272.2	C	2				REFUELING & MAINTENANCE COMMENCES.

* SUMMARY *

SAN ONOFRE 2 BEGAN A REFUELING AND MAINTENANCE OUTAGE ON OCTOBER 20TH.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* SAN ONOFRE 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
HUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. CHAFFEE
LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...., SEPTEMBER 7, 1982
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA

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

INSPECTION SUMMARY

- + INSPECTION ON JULY 24 - SEPTEMBER 7, 1984 (REPORT NO. 50-361/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 4-7 AND 24-28, 1984 (REPORT NO. 50-361/84-26) AREAS INSPECTED: ROUTINE, UNANNOUNCED REGIONAL-BASED INSPECTION OF OPERATIONS INCLUDING THE FOLLOWING AREAS: LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENTS; LICENSEE ACTION ON IE BULLETINS; LICENSEE ACTION ON PREVIOUS NRC INSPECTION ITEMS; EMPLOYEE TRAINING; AND LICENSEE EVENT REPORTS (LER'S). THE INSPECTION INVOLVED 6 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. THE INSPECTION ALSO INVOLVED 24 INSPECTOR-HOURS IN OFFICE.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 18 - OCTOBER 30, 1984 (REPORT NO. 50-361/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 1-5, 1984 (REPORT NO. 50-361/84-28) ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE ACTION ON TMI ACTION PLAN REQUIREMENTS. THE INSPECTION INVOLVED 31 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON OCTOBER 15-19, 1984 (REPORT NO. 50-361/84-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON OCTOBER 15, 1984 (REPORT NO. 50-361/84-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

STEADY OPETATION AT FULL POWER;

LAST IE SITE INSPECTION DATE: 09/18-10/30/84

INSPECTION REPORT NO: 50-361/84-27

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
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NONE

1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (MMt): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC NET & DER REFLECT AUXILIARY STATION LOADS.

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>5,136.0</u>	<u>5,136.0</u>
13. Hours Reactor Critical	<u>646.6</u>	<u>3,712.5</u>	<u>3,712.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>646.3</u>	<u>3,479.3</u>	<u>3,479.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,169,606</u>	<u>10,954,332</u>	<u>10,954,332</u>
18. Gross Elec Ener (MWH)	<u>719,729</u>	<u>3,704,371</u>	<u>3,704,371</u>
19. Net Elec Ener (MWH)	<u>684,655</u>	<u>3,487,551</u>	<u>3,487,551</u>
20. Unit Service Factor	<u>86.8</u>	<u>67.7</u>	<u>67.7</u>
21. Unit Avail Factor	<u>86.8</u>	<u>67.7</u>	<u>67.7</u>
22. Unit Cap Factor (MDC Net)	<u>85.1</u>	<u>62.9</u>	<u>62.9</u>
23. Unit Cap Factor (DER Net)	<u>85.1</u>	<u>62.9</u>	<u>62.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>1.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.8</u>	<u>46.8</u>

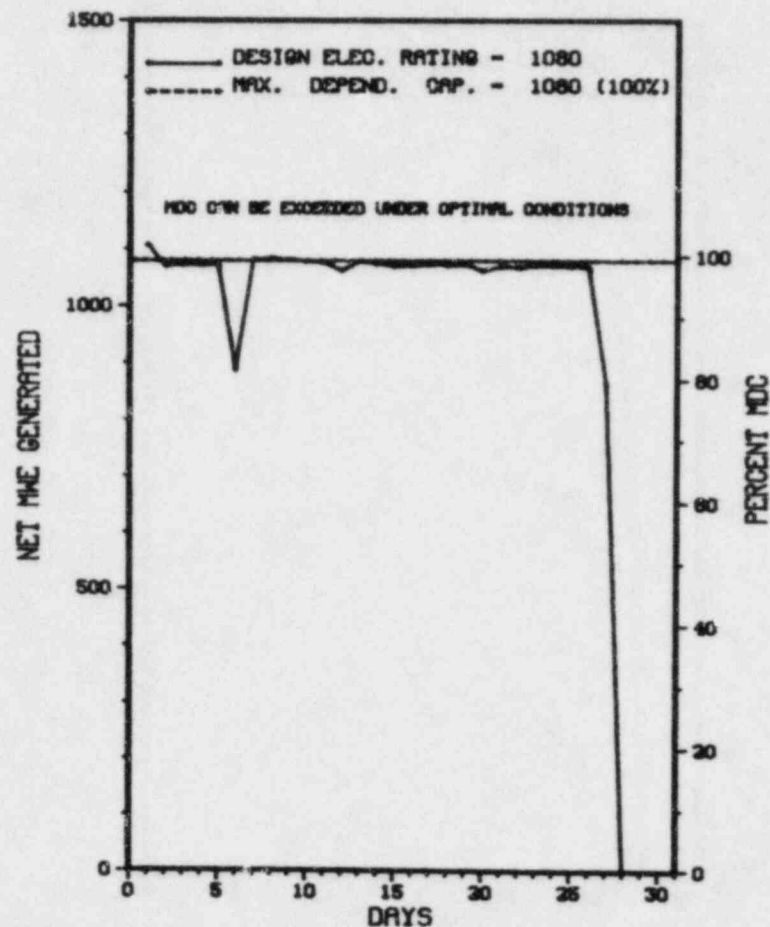
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/23/84

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	10/27/84	S	98.7	B	2		AB	SG	REPAIR OF PRIMARY TO SECONDARY LEAK IN STEAM GENERATOR E-089. OTHER WORK, TO INCLUDE RCP SEAL REPLACEMENT AND EMERGENCY CHILLER AND WASTE GAS SYSTEM MODIFICATIONS.

 * SUMMARY *

 SAN ONOFRE 3 WAS SHUT DOWN ON OCTOBER 27TH TO REPAIR A STEAM GENERATOR LEAK AND TO PERFORM OTHER MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

1. Docket: 50-327 O P E R A T I N G S T A T U S
2. Reportin Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: MIKE EDDINGS (615) 870-6248
4. Licensed Thermal Power (Mwt): 3411
5. Nameplate Rating (Gross MWe): 1220
6. Design Electrical Rating (Net MWe): 1148
7. Maximum Dependable Capacity (Gross MWe): 1183
8. Maximum Dependable Capacity (Net MWe): 1148
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

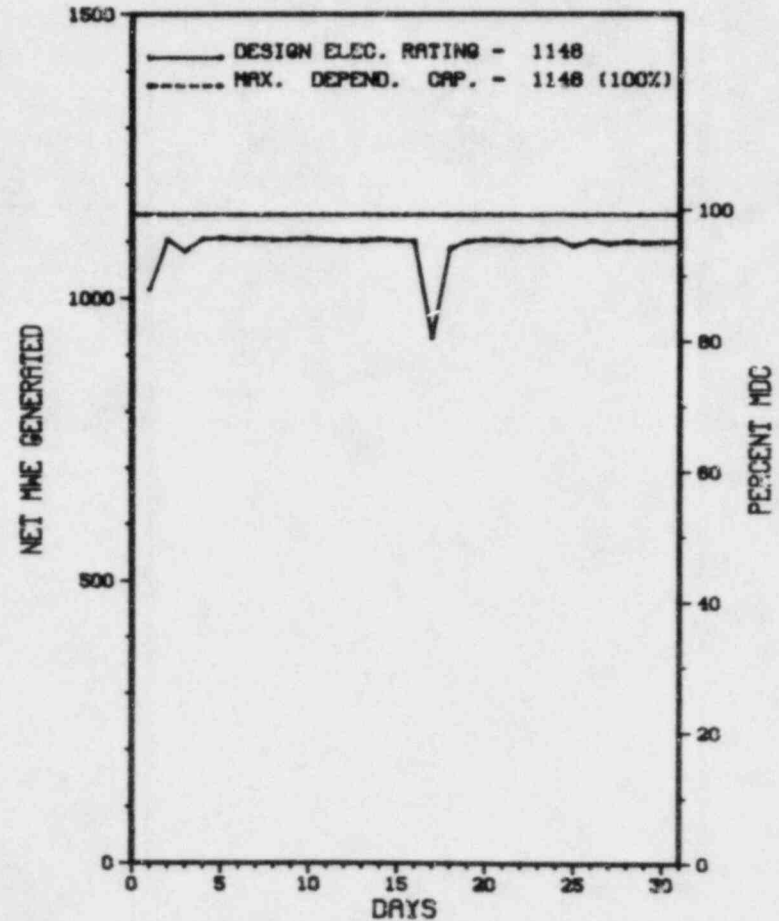
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>29,257.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>4,742.1</u>	<u>19,183.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,531.7</u>	<u>18,644.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,509,115</u>	<u>14,213,187</u>	<u>59,704,987</u>
18. Gross Elec Ener (MWH)	<u>843,080</u>	<u>4,662,940</u>	<u>20,044,076</u>
19. Net Elec Ener (MWH)	<u>814,661</u>	<u>4,472,070</u>	<u>19,248,998</u>
20. Unit Service Factor	<u>100.0</u>	<u>61.9</u>	<u>63.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>61.9</u>	<u>63.7</u>
22. Unit Cap Factor (MDC Net)	<u>95.3</u>	<u>53.2</u>	<u>57.3</u>
23. Unit Cap Factor (DER Net)	<u>95.3</u>	<u>53.2</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>23.9</u>	<u>20.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,426.8</u>	<u>4,807.5</u>

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

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	10/17/84	F	0.0	A	5				MANUAL RUNBACK TO 60%. CONDENSATE BOOSTER PUMP TRIPPED ON LOW OIL LEVEL.

* SUMMARY *

SEQUOYAH 1 OPERATED ROUTINELY IN OCTOBER WITH NO OUTAGES REPORTED.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SEQUOYAH 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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. STAHL
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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 4-7 (84-23): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS IN THE TVA ENGINEERING OFFICES IN KNOXVILLE, TN, IN THE AREAS OF BLACK AND VEATCH INDEPENDENT REVIEW OF WATTS BAR DESIGN AND CONSTRUCTION, PIPE SUPPORT BASEPLATE DESIGNS USING CONCRETE EXPANSION ANCHORS (IEB 79-02) AND SEISMIC ANALYSIS OF AS-BUILT SAFETY-RELATED PIPING SYSTEMS (IEB 79-14). A VIOLATION WAS IDENTIFIED - INADEQUATE CORRECTIVE ACTION FOR UNCONFIRMED PIPING ANALYSIS OPERATIONAL MODES INPUT DATA.

INSPECTION AUGUST 6 - SEPTEMBER 5 AND OCTOBER 4/5 (84-25): THIS ROUTINE INSPECTION ENTAILED 54 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, OPERATIONAL SAFETY VERIFICATION, FOLLOWUP ON EVENTS, MAINTENANCE AND MODIFICATION, SURVEILLANCE, ESF SYSTEM WALKDOWN, INDEPENDENT INSPECTION EFFORT, AND LER REVIEW. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; THREE VIOLATIONS WERE FOUND IN TWO AREAS (FAILURE TO FOLLOW RHR PROCEDURE - PARAGRAPH 3.D; FAILURE TO MAINTAIN AUXILIARY BUILDING GAS TREATMENT SYSTEM (ABGTS) OPERABILITY - PARAGRAPH 6; FAILURE TO CONDUCT AN ADEQUATE REVIEW OF A REPORTABLE OCCURRENCE - PARAGRAPH 6).

ENFORCEMENT SUMMARY

LICENSED SRO INSTRUCTOR WHO ONLY TAUGHT PORTIONS OF REQUAL WAS EXEMPTED FROM TAKING REQUALIFICATION EXAM CONTRARY TO 10 CFR 55, APPENDIX A.4(A). CONTRARY TO 10 CFR 55.31(E), A LICENSED SRO RESUMED SHIFT WATCH, WITHOUT DEMONSTRATING TO THE NRC HIS UNDERSTANDING OF FAULTY OPERATION, AFTER BEING OFF-SHIFT FOR 6.5 MONTHS.

Report Period OCT 1984

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* SEQUOYAH 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

CHLORINE DETECTOR WAS ACTUATED.

=====

1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: DAVID DUPREE (615) 870-6543

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1220

6. Design Electrical Rating (Net MWe): 1148

7. Maximum Dependable Capacity (Gross MWe): 1183

8. Maximum Dependable Capacity (Net MWe): 1148

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

10. Power Level To Which Restrict \downarrow , If Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>21,217.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,124.7</u>	<u>16,485.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,987.9</u>	<u>16,142.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>19,449,576</u>	<u>51,867,643</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>6,620,740</u>	<u>17,652,680</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>6,373,689</u>	<u>16,991,427</u>
20. Unit Service Factor	<u>.0</u>	<u>81.8</u>	<u>76.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>81.8</u>	<u>76.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>75.8</u>	<u>69.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>75.8</u>	<u>69.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.4</u>	<u>8.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>480.3</u>	<u>1,582.1</u>

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

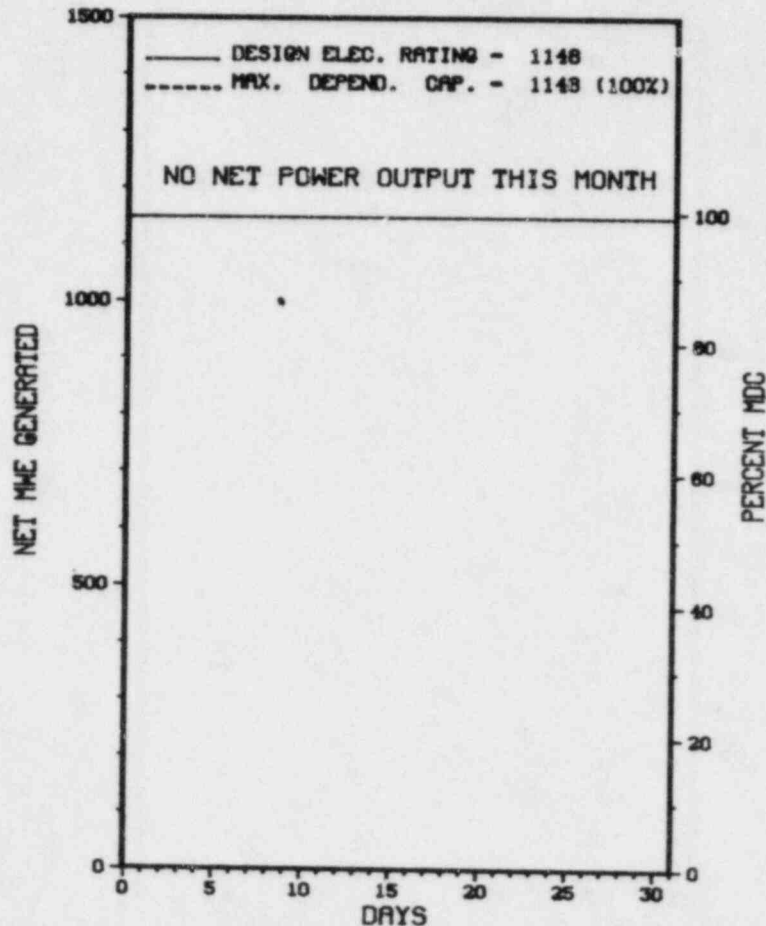
NONE

27. If Currently Shutdown Estimated Startup Date: 11/30/84

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 2



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	09/28/84	S	745.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

SEQUOYAH 2 REMAINED SHUT DOWN FOR REFUELING THROUGHOUT ALL OF OCTOBER.

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

ENFORCEMENT SUMMARY

(8419 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING ACTIVITIES REFERENCED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. PARAGRAPH 9, "PROCEDURES FOR PERFORMING MAINTENANCE," OF APPENDIX A REQUIRES THAT MAINTENANCE THAT CAN EFFECT THE PERFORMANCE OF SAFETY-RELATED EQUIPMENT SHOULD BE PROPERLY PREPLANNED AND PERFORMED IN ACCORDANCE WITH WRITTEN PROCEDURES. CONTRARY TO THE ABOVE, WRITTEN PROCEDURES WERE NOT ESTABLISHED IN THAT THE DISASSEMBLY AND REPAIR ON JULY 9 OF THE B-B AUXILIARY AIR COMPRESSOR, PART OF THE AUXILIARY CONTROL AIR SYSTEM, A SAFETY RELATED SYSTEM, WAS PERFORMED USING ONLY A MAINTENANCE REQUEST. TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING ACTIVITIES REFERENCED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. PARAGRAPH 8, "PROCEDURES FOR CONTROL OF MEASURING AND TEST EQUIPMENT AND FOR SURVEILLANCE TESTS PROCEDURES, AND CALIBRATION," OF APPENDIX A REQUIRES SPECIFIC PROCEDURES FOR SURVEILLANCE TESTS ON EMERGENCY CORE COOLING SYSTEMS (ECCS). CONTRARY TO THE ABOVE, ADEQUATE PROCEDURES WERE NOT ESTABLISHED IN THAT ON JULY 10, 1984, BOTH TRAINS OF THE RESIDUAL HEAT REMOVAL SYSTEM, AN ECCS SYSTEM, WERE RENDERED INOPERABLE DUE TO A VALVE LINE-UP REQUIRED BY PROCEDURE, SI 267.74.2, WHICH WAS IN TECHNICAL ERROR. THE PERIOD OF DEGRADED OPERABILITY DID NOT EXCEED TECHNICAL SPECIFICATION 3.0.3.
(8421 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING ACTIVITIES REFERENCED IN APPENDIX A OF REGULATORY GUIDE 1.33, REVISION 2, FEBRUARY 1978. PARAGRAPH 1, "ADMINISTRATIVE PROCEDURES", OF APPENDIX A REQUIRES SPECIFIC PROCEDURES FOR EQUIPMENT CONTROL (E.G., LOCKING AND TAGGING). ADMINISTRATIVE INSTRUCTION AI-3 "CLEARANCE PROCEDURE," SECTION 3.2, REQUIRES SECOND PERSON VERIFICATION FOR TAGGING EQUIPMENT IN THE EMERGENCY CORE COOLING SYSTEM (ECCS). CONTRARY TO THE ABOVE, AI-3 WAS NOT IMPLEMENTED IN THAT ON JULY 9, 1984, A REVIEW OF HOLD ORDER HO 934 FOR THE 2A-A CENTRIFUGAL CHARGING PUMP (CCP) REVEALED THAT NO SECOND PERSON VERIFICATION HAD BEEN CONDUCTED FOR TAGGING OUT THE PUMP. THE CCP IS A PART OF THE ECCS. 10 CFR 50.72(B)(2) REQUIRES EACH LICENSEE OF A NUCLEAR POWER REACTOR TO NOTIFY THE NRC OPERATIONS CENTER AS SOON AS PRACTICABLE AND IN ALL CASES, WITHIN FOUR HOURS OF THE OCCURRENCE OF ANY EVENT OR CONDITION THAT ALONE COULD HAVE PREVENTED THE FULFILLMENT OF THE SAFETY FUNCTION OF SYSTEMS THAT ARE NEEDED TO MITIGATE THE CONSEQUENCES OF AN ACCIDENT. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT NOTIFY THE NRC OPERATIONS CENTER OF THE DISCOVERY THAT BOTH TRAINS OF THE RESIDUAL HEAT REMOVAL SYSTEM WERE INOPERABLE ON JULY 10, 1984.
(8421 5)

10 CFR 50, APPENDIX B, CRITERION XVI REQUIRES THAT, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY, SUCH AS FAILURES, MALFUNCTIONS, DEFICIENCIES, DEVIATIONS, DEFECTIVE MATERIAL AND EQUIPMENT, AND NONCONFORMANCES ARE PROMPTLY IDENTIFIED AND CORRECTED. IN THE CASE OF SIGNIFICANT CONDITIONS ADVERSE TO QUALITY, THE MEASURES SHALL ASSURE THAT THE CAUSE OF THE CONDITION IS DETERMINED AND CORRECTIVE ACTION TAKEN TO PRECLUDE REPETITION." CONTRARY TO THE ABOVE, IN THE AREA OF PIPING DESIGN ANALYSIS, CORRECTIVE ACTION MEASURES DID NOT ADEQUATELY ASSURE THAT CONDITIONS ADVERSE TO QUALITY WERE PROMPTLY CORRECTED IN THAT: ON MAY 5, 1982, NONCONFORMANCE REPORT (NCR) SQN CEB 8205 RECORDED THE FACT THAT THE OPERATING CONDITION INPUT DATA FOR THE PIPING ANALYSES WERE NOT FROM A CONTROLLED SOURCE AND THEREFORE, THERE WAS NO WAY TO VERIFY THE VALIDITY OF THE DATE. AS OF SEPTEMBER 7, 1984, THE OPERATING CONDITION DATA FOR THE SEQUOYAH PIPING ANALYSIS HAD NOT BEEN VERIFIED, EXCEPT FOR ONE PIPING STRESS ANALYSIS PROBLEM. THE LICENSEE'S PLAN OF ACTION FOR THE NCR WAS TO RESOLVE A SIMILAR ISSUE AT THE WATTS BAR NUCLEAR PLANT BEFORE SEQUOYAH.
(8424 4)

TECHNICAL SPECIFICATION 3.7.8 REQUIRES THAT TWO INDEPENDENT AUXILIARY BUILDING GAS TREATMENT SYSTEM (ABGTS) FILTER TRAINS SHALL BE OPERABLE WHEN EITHER UNIT IS IN MODE 1, 2, 3 OR 4. CONTRARY TO THE ABOVE, TWO TRAINS OF ABGTS WERE NOT OPERABLE WITH THE UNITS IN MODE 1 IN THAT ON AUGUST 17, 1984, ON TWO OCCASIONS ON AUGUST 20, 1984, AND ON ONE OCCASION ON SEPTEMBER 5, 1984, AUXILIARY BUILDING SECONDARY CONTAINMENT ENCLOSURE (ABSCE) DOORS WERE OPENED. THE INTEGRITY OF THE ABSCE WAS NOT MAINTAINED AS REQUIRED TO ENSURE THAT THE ABGTS CAN MAINTAIN THE REQUIRED NEGATIVE PRESSURE IN THE AUXILIARY BUILDING DURING AN ACCIDENT. 10 CFR 50.73 REQUIRES LICENSEES TO SUBMIT A LICENSEE EVENT REPORT (LER) FOR ANY OF THE SEVERAL SPECIFIED EVENTS AND REQUIRES THAT THIS REPORT BE COMPLETE AND CONTAIN DATES AND TIMES OF ALL OCCURRENCES ASSOCIATED WITH THE EVENT. LER 50-327/84055 WAS SUBMITTED ON SEPTEMBER 20, 1984, CONCERNING BREACHES OF THE AUXILIARY BUILDING SECONDARY CONTAINMENT ENCLOSURE. CONTRARY TO THE ABOVE, AS OF OCTOBER 5, 1984, LER 50-327/84055 WAS INADEQUATE IN THAT THE LICENSEE INVESTIGATION OF THE EVENT DID NOT IDENTIFY BREACHES OF THE ABSCE WHICH


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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	08/20/84	09/18/84	RUPTURE WAS CAUSED BY A LEAKING PRESSURIZER SAFETY VALVE.
84-014	08/30/84	09/28/84	REACTOR TRIP 'A' MAIN FEEDWATER ISOLATION VALVE FAILED TO CLOSE, DUE TO A STUCK CONTACT.
84-015	09/05/84	10/03/84	REACTOR TRIP. AN AUTOMATIC REACTOR TRIP OCCURRED, DUE TO A FAILURE OF THE TURBINE GENERATOR ELECTROHYDRAULIC CONTROL SYSTEM.
84-016	09/09/84	10/09/84	REACTOR AND GENERATOR TRIP ON NEUTRAL OVERVOLTAGE. THE GROUND WAS FOUND TO BE A NEOPRENE GASKET/ISOLATING STRIP.
84-017	09/06/84	10/05/84	REACTOR TRIP ON LOW-LOW STEAM GENERATOR LEVEL.
84-018	09/10/84	10/09/84	THREE REACTOR TRIPS - ALL INVOLVED OPERATORS ATTEMPTING TO MANUALLY CONTROL STEAM GENERATOR LEVELS.

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1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2700

5. Nameplate Rating (Gross MWe): 1000 X 0.89 = 890

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 867

8. Maximum Dependable Capacity (Net MWe): 822

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>68,928.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>4,122.5</u>	<u>48,588.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>3,747.3</u>	<u>47,324.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,990,103</u>	<u>9,702,924</u>	<u>118,370,862</u>
18. Gross Elec Ener (MWH)	<u>664,560</u>	<u>3,227,740</u>	<u>38,601,615</u>
19. Net Elec Ener (MWH)	<u>631,689</u>	<u>3,035,196</u>	<u>36,364,896</u>
20. Unit Service Factor	<u>100.0</u>	<u>51.2</u>	<u>68.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>51.2</u>	<u>68.7</u>
22. Unit Cap Factor (MDC Net)	<u>103.2</u>	<u>50.4</u>	<u>64.2</u>
23. Unit Cap Factor (DER Net)	<u>102.2</u>	<u>50.0</u>	<u>63.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.3</u>	<u>4.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>294.2</u>	<u>2,398.9</u>

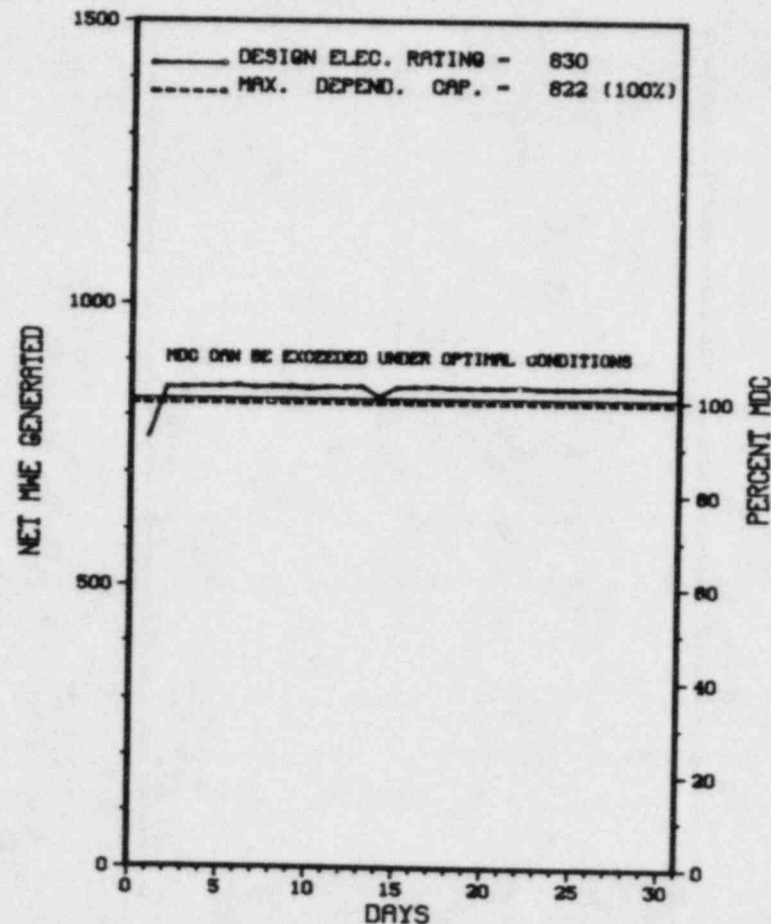
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



OCTOBER 1984

Report Period OCT 1984

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 ROUTINELY IN OCTOBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

XXXXXXXXXXXXXXXXXXXXX
X ST LUCIE 1
XXXXXXXXXXXXXXXXXXXXX

XX
X
XXX

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 22, 1976
DATE ELEC ENER 1ST GENER...MAY 7, 1976
DATE COMMERCIAL OPERATE...DECEMBER 21, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. FEIERABEND
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-335
LICENSE & DATE ISSUANCE...DPR-67, MARCH 1, 1976
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 12 - SEPTEMBER 15 (84-25): THIS ROUTINE RESIDENT INSPECTION INVOLVED 137 RESIDENT INSPECTOR HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, LICENSEE EVENT REPORTS, INFORMATION NOTICES, OPERATING EXPERIENCE FEEDBACK PROGRAM, AND PLANT TRIPS.

INSPECTION SEPTEMBER 10-14 (84-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY, INSERVICE INSPECTION OF PUMPS AND VALVES, AND PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-27 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

PAGE 2-316

1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2560

5. Nameplate Rating (Gross MWe): 0850

6. Design Electrical Rating (Net MWe): 804

7. Maximum Dependable Capacity (Gross MWe): 832

8. Maximum Dependable Capacity (Net MWe): 786

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>10,825.0</u>
13. Hours Reactor Critical	<u>287.2</u>	<u>6,668.1</u>	<u>9,895.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>286.7</u>	<u>6,466.4</u>	<u>9,596.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>731,545</u>	<u>16,355,515</u>	<u>24,013,459</u>
18. Gross Elec Ener (MWH)	<u>242,120</u>	<u>5,458,800</u>	<u>8,002,020</u>
19. Net Elec Ener (MWH)	<u>227,091</u>	<u>5,156,950</u>	<u>7,554,536</u>
20. Unit Service Factor	<u>38.5</u>	<u>88.3</u>	<u>88.7</u>
21. Unit Avail Factor	<u>38.5</u>	<u>88.3</u>	<u>88.7</u>
22. Unit Cap Factor (MDC Net)	<u>38.8</u>	<u>89.6</u>	<u>88.8</u>
23. Unit Cap Factor (DER Net)	<u>37.9</u>	<u>87.6</u>	<u>86.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.0</u>	<u>6.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>272.5</u>	<u>647.1</u>

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

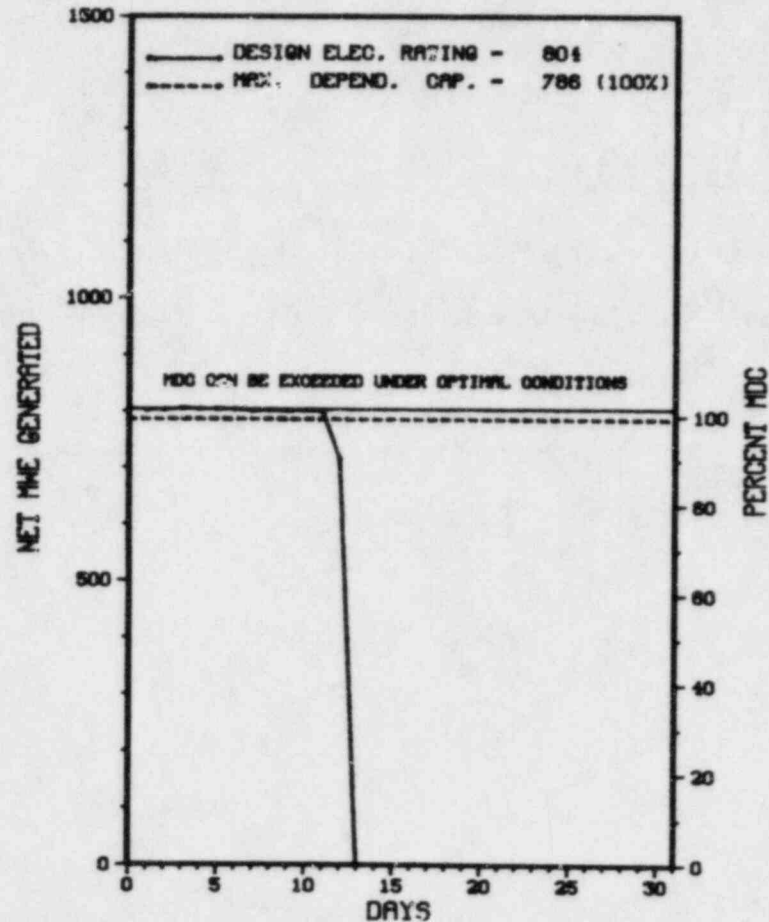
NONE

27. If Currently Shutdown Estimate Startup Date: 11/17/84

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



OCTOBER 1984

Report Period GCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	10/12/83	S	458.3	C	1		RC	FUELXX	UNIT NO. 2 WAS SHUTDOWN FOR REFUELING AND SCHEDULED MAINTENANCE.

* SUMMARY *

ST. LUCIE 2 WAS SHUT DOWN ON OCTOBER 12TH FOR REFUELING AND MAINTENANCE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ST LUCIE 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 13, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. FEIERABEND
LICENSING PROJ MANAGER.....D. SELLS
DOCKET NUMBER.....50-389
LICENSE & DATE ISSUANCE...NPF-16, JUNE 10, 1983
PUBLIC DOCUMENT ROOM.....INDIAN RIVER COMMUNITY COLLEGE LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 12 - SEPTEMBER 15 (84-27): THIS ROUTINE RESIDENT INSPECTION INVOLVED 138 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, LICENSEE EVENT REPORTS, INFORMATION NOTICES, OPERATING EXPERIENCE FEEDBACK PROGRAM, AND PLANT TRIPS.

INSPECTION SEPTEMBER 10-14 (84-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT CHEMISTRY, INSERVICE INSPECTION OF PUMPS AND VALVES, AND PREVIOUS INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-27 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 29 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ REFUELING OUTAGE.

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

INSPECTION REPORT NO: 50-389/84-30 +

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

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

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1. Docket: 50-395 OPERATING STATUS
 2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
 3. Utility Contact: G. A. LOIGNON (803) 345-5209
 4. Licensed Thermal Power (MWT): 2775
 5. Nameplate Rating (Gross MWe): 0900
 6. Design Electrical Rating (Net MWe): 900
 7. Maximum Dependable Capacity (Gross MWe): 900
 8. Maximum Dependable Capacity (Net MWe): 885
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>7,320.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,253.5</u>	<u>5,253.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,095.6</u>	<u>5,095.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,876,704</u>	<u>12,876,704</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,286,303</u>	<u>4,286,303</u>
19. Net Elec Ener (MWH)	<u>-5,145</u>	<u>4,078,738</u>	<u>4,078,738</u>
20. Unit Service Factor	<u>.0</u>	<u>69.6</u>	<u>69.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>69.6</u>	<u>69.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>62.8</u>	<u>63.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>61.9</u>	<u>61.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.2</u>	<u>11.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>644.4</u>	<u>644.4</u>

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

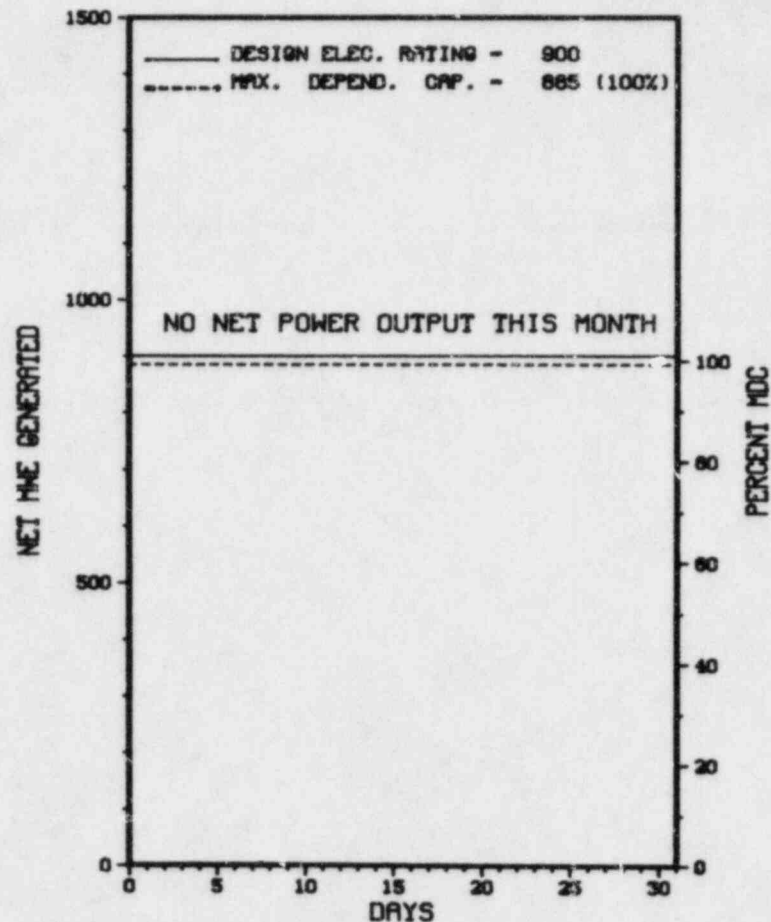
NONE

27. If Currently Shutdown Estimated Startup Date: 12/01/84

 * SUMMER 1 *

AVERAGE DAILY POWER LEVEL' a) PLOT

SUMMER 1



OCTOBER 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	09/28/84	S	745.0	C	4				REFUELING OUTAGE CONTINUES.

 * SUMMARY *

 SUMMER 1 REMAINS SHUT DOWN FOR REFUELING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SUMMER 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA

COUNTY.....FAIRFIELD

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...OCTOBER 22, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE....JANUARY 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MONTICELLO RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.

CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....DANIEL INTERNATIONAL

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....C. HEHL
LICENSING PROJ MANAGER.....J. HOPKINS
DOCKET NUMBER.....50-395

LICENSE & DATE ISSUANCE...NPF-12, NOVEMBER 12, 1982

PUBLIC DOCUMENT ROOM.....FAIRFIELD COUNTY LIBRARY
GARDEN & WASHINGTON STREETS
WINNSBORO, SOUTH CAROLINA 29180

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (84-25): THIS ROUTINE, RESIDENT INSPECTION ENTAILED 184 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; SPENT FUEL POOL RE-RACK MODIFICATION; REVIEW OF INSPECTOR FOLLOWUP ITEMS; LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS AND NON-ROUTINE EVENT REPORTS. THREE VIOLATIONS WERE IDENTIFIED - FAILURE TO PERFORM A WRITTEN SAFETY EVALUATION FOR A PROCEDURE USED TO CONDUCT "DRAG TESTING" ON THE SPENT FUEL STORAGE RACKS; FAILURE TO PROPERLY CALIBRATE THE SPENT FUEL BRIDGE CRANE LOAD CELL; AND FAILURE TO PERFORM A REQUIRED PRE-USE CRANE INSPECTION AND USE OF A CRANE OPERATOR WHO WAS NOT PROPERLY QUALIFIED.

INSPECTION SEPTEMBER 11-14 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, MAINTENANCE SCHEDULING AND PLANNING, AND SPENT FUEL STORAGE RACKS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-13 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE IN THE AREAS OF SPENT FUEL POOL ACTIVITY (86700) AND INDEPENDENT INSPECTION EFFORT (92706). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 1 - OCTOBER 1 (84-29): THIS ROUTINE, RESIDENT INSPECTION INVOLVED 164 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OCCUPATIONAL SAFETY VERIFICATION; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; OBSERVATION OF NEW FUEL RECEIPT; REVIEW OF INSPECTOR FOLLOWUP ITEMS, LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS AND NON-ROUTINE EVENT REPORTS; AND FOLLOW UP OF OPERATING REACTOR EVENTS. TWO VIOLATIONS WERE IDENTIFIED; FAILURE TO FOLLOW PROCEDURES DURING NEW FUEL RECEIPT, FAILURE TO IDENTIFY AND TAKE PROMPT CORRECTIVE ACTION FOR A CONDITION ADVERSE TO QUALITY.

1. Docket: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWt): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>103,568.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,173.3</u>	<u>64,272.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.3</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,100.3</u>	<u>62,967.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>11,041,688</u>	<u>145,442,301</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,523,505</u>	<u>46,843,348</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,327,010</u>	<u>44,404,746</u>
20. Unit Service Factor	<u>.0</u>	<u>69.7</u>	<u>60.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>69.7</u>	<u>64.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>58.6</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>57.7</u>	<u>54.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.0</u>	<u>20.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>212.3</u>	<u>12,424.1</u>

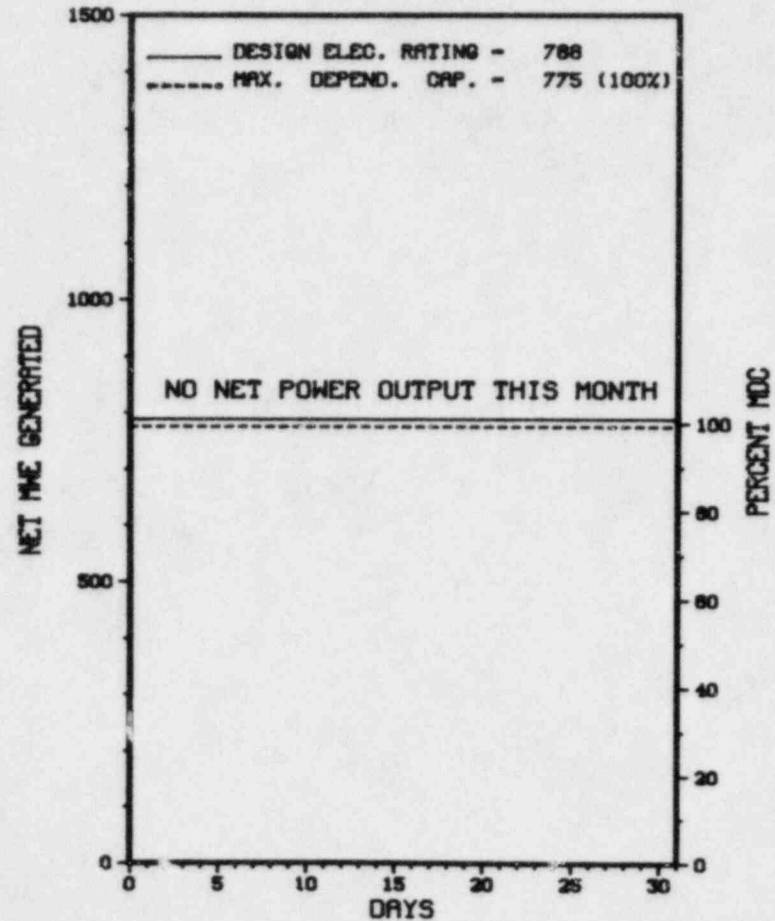
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/14/84

X S U R R Y 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-9	05/26/84	S	745.0	A	4				REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

SURRY 1 REMAINS SHUT DOWN FOR REFUELING AND MAINTENANCE.

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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training & License Examination		

* SURRY 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 1, 1972
DATE ELEC ENER 1ST GENER...JULY 4, 1972
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-280
LICENSE & DATE ISSUANCE...DPR-32, MAY 25, 1972
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (84-24): THIS INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, AND FOLLOWUP OF EVENTS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; FAILURE TO FOLLOW PROCEDURES DURING REPLACEMENT OF AN RPS RELAY - PARAGRAPH 6.D; 10 CFR 50.59 SAFETY EVALUATION NOT PERFORMED/DOCUMENTED FOR CHANGE TO FACILITY AS DESCRIBED IN FSAR - PARAGRAPH 5.E.

INSPECTION SEPTEMBER 1-28 (84-26): THIS INSPECTION INVOLVED 102 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 19-20 (84-27): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 40 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS IN THE AREAS OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-28 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE (TWO HOURS ON BACKSHIFT) INSPECTING; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; AND A COMPREHENSIVE REVIEW OF THE PROTECTION AFFORDED VITAL EQUIPMENT IDENTIFIED IN THE LICENSEE'S PHYSICAL SECURITY PLAN (PSP), THE LOS ALAMOS NATIONAL LABORATORY (LANL) VITAL AREA DEFINITION REPORT AND THE NRC REGULATORY EFFECTIVENESS REVIEW REPORT (RER). ONE VIOLATION WAS IDENTIFIED - FAILURE TO PERFORM A HANDS-ON SEARCH OF A VISITOR PRIOR TO ENTRY INTO THE PROTECTED AREA.


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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-016	06/19/84	07/17/84	REACTOR TRIP WHEN 2 OF 4 NUC PWR CHANNELS EXCEEDED 10% POWER WITH TURBINE UNLATCHED. PRECAUTIONS WILL BE ADDED TO PROCEDURE.
84-017	06/20/84	07/17/84	QUADRANT POWER TILT GREATER THAN 2.0% EXISTED GREATER THAN 24 HRS; CONTROL ROD B-6 STUCK AT 56 STEP POSITION.
84-018	08/23/84	09/21/84	AIR HOSE BLOCKING OPEN THE FIRE DOOR BETWEEN MECHANICAL EQUIPMENT SPACE #1 AND CABLE SPREADING ROOM WAS DISCOVERED.
84-019	09/05/84	10/02/84	EMERGENCY FANS OUT OF SERVICE. THE PROCEDURES ARE BEING MODIFIED.

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1. Docket: 50-281 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: VIVIAN H. JONES (804) 357-3184
4. Licensed Thermal Power (MWh): 2441
5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848
6. Design Electrical Rating (Net MWe): 788
7. Maximum Dependable Capacity (Gross MWe): 811
8. Maximum Dependable Capacity (Net MWe): 775
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

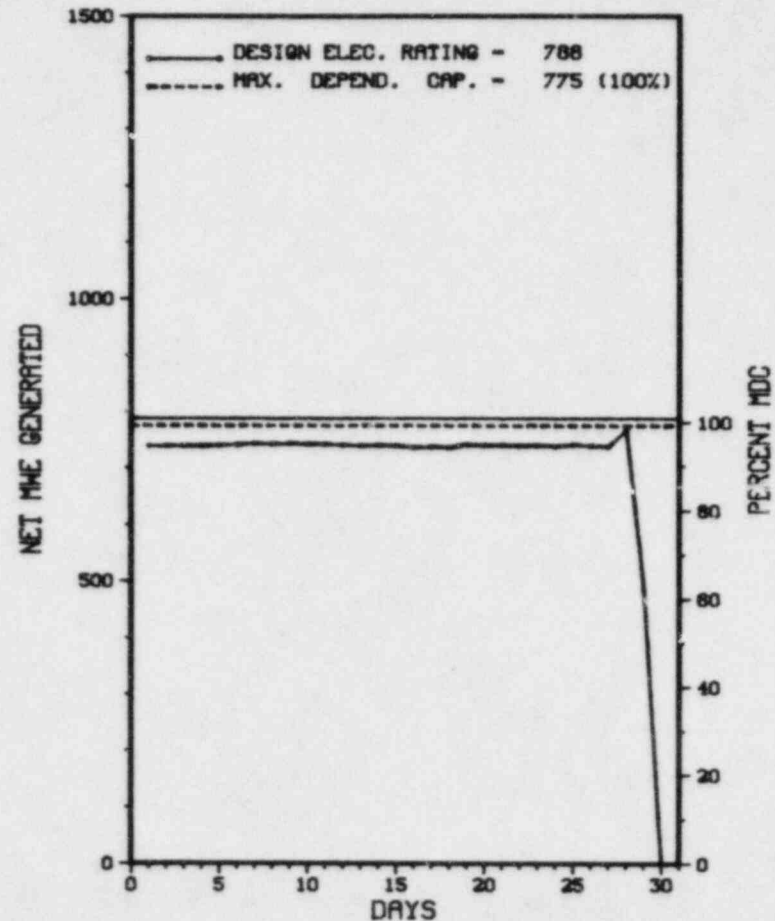
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>100,848.0</u>
13. Hours Reactor Critical	<u>688.9</u>	<u>6,454.8</u>	<u>65,025.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>23.8</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>688.9</u>	<u>6,391.2</u>	<u>63,967.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,669,777</u>	<u>15,200,449</u>	<u>149,916,321</u>
18. Gross Elec Ener (MWH)	<u>536,380</u>	<u>4,832,930</u>	<u>48,622,789</u>
19. Net Elec Ener (MWH)	<u>509,715</u>	<u>4,580,337</u>	<u>46,087,397</u>
20. Unit Service Factor	<u>92.5</u>	<u>87.3</u>	<u>63.4</u>
21. Unit Avail Factor	<u>92.5</u>	<u>87.3</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>88.3</u>	<u>80.7</u>	<u>59.0</u>
23. Unit Cap Factor (DER Net)	<u>86.8</u>	<u>79.4</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>7.5</u>	<u>8.2</u>	<u>13.6</u>
25. Forced Outage Hours	<u>56.1</u>	<u>572.3</u>	<u>7,398.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 11/13/84

* S U R R Y 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



OCTOBER 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-25	10/29/84	F	56.1	G	3			REACTOR TRIP, WHILE TESTING "D" TRANSFER BUS AN AUTO LOAD SHEDDING SIGNAL WAS INITIATED WHEN BREAKER 252A WAS CLOSED IN THE TEST POSITION. THIS CAUSED A LOSS OF "A" MAIN FEED PUMP AND "A" CONDENSATE PUMP AND THE UNIT TRIPPED ON LOW STEAM GENERATOR LEVELS.

 * SUMMARY *

 SURRY 2 INCURRED 1 SHUTDOWN IN OCTOBER AS DESCRIBED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SURRY 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 7, 1973
DATE ELEC ENER 1ST GENER...MARCH 10, 1973
DATE COMMERCIAL OPERATE...MAY 1, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-281
LICENSE & DATE ISSUANCE...DPR-37, JANUARY 29, 1973
PUBLIC DOCUMENT ROOM.....SWEM LIBRARY
COLLEGE OF WILLIAM AND MARY
WILLIAMSBURG, VIRGINIA 23185

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION AUGUST 1-31 (84-24): THIS INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, AND FOLLOWUP OF EVENTS. IN THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; FAILURE TO FOLLOW PROCEDURES DURING REPLACEMENT OF AN RPS RELAY - PARAGRAPH 6.D; 10 CFR 50.59 SAFETY EVALUATION NOT PERFORMED/DOCUMENTED FOR CHANGE TO FACILITY AS DESCRIBED IN FSAR - PARAGRAPH 5.E.

INSPECTION SEPTEMBER 1-28 (84-26): THIS INSPECTION INVOLVED 102 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, AND LICENSEE EVENT REPORTS. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 19-20 (84-27): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 40 INSPECTOR-HOURS ON SITE DURING NORMAL DUTY HOURS IN THE AREAS OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 24-28 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE (TWO HOURS ON BACKSHIFT) INSPECTING; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; AND A COMPREHENSIVE REVIEW OF THE PROTECTION AFFORDED VITAL EQUIPMENT IDENTIFIED IN THE LICENSEE'S PHYSICAL SECURITY PLAN (PSP), THE LOS ALAMOS NATIONAL LABORATORY (LANL) VITAL AREA DEFINITION REPORT AND THE NRC REGULATORY EFFECTIVENESS REVIEW REPORT (RER). ONE VIOLATION WAS IDENTIFIED - FAILURE TO PERFORM A HANDS-ON SEARCH OF A VISITOR PRIOR TO ENTRY INTO THE PROTECTED AREA.

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1. Docket: 50-387 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-2181

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1068

8. Maximum Dependable Capacity (Net MWe): 1032

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>12,289.0</u>
13. Hours Reactor Critical	<u>586.8</u>	<u>5,202.2</u>	<u>9,047.5</u>
14. Rx Reserve Shtdwn Hrs	<u>65.6</u>	<u>275.2</u>	<u>431.9</u>
15. Hrs Generator On-Line	<u>554.8</u>	<u>5,045.5</u>	<u>8,813.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,487,312</u>	<u>15,166,138</u>	<u>26,415,909</u>
18. Gross Elec Ener (MWH)	<u>485,360</u>	<u>4,939,090</u>	<u>8,605,640</u>
19. Net Elec Ener (MWH)	<u>465,231</u>	<u>4,754,056</u>	<u>8,290,429</u>
20. Unit Service Factor	<u>74.5</u>	<u>68.9</u>	<u>71.7</u>
21. Unit Avail Factor	<u>74.5</u>	<u>68.9</u>	<u>71.7</u>
22. Unit Cap Factor (MDC Net)	<u>60.5</u>	<u>62.9</u>	<u>65.4</u>
23. Unit Cap Factor (DER Net)	<u>58.6</u>	<u>61.0</u>	<u>63.3</u>
24. Unit Forced Outage Rate	<u>25.5</u>	<u>16.8</u>	<u>14.8</u>
25. Forced Outage Hours	<u>190.2</u>	<u>1,019.0</u>	<u>1,527.5</u>

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

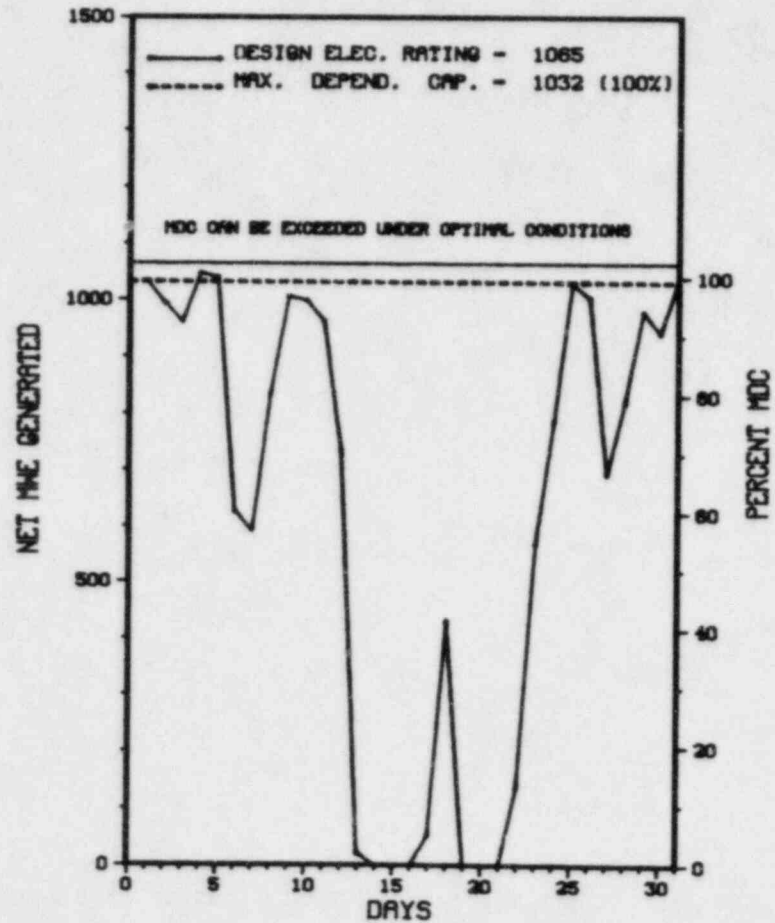
REFUELING OUTAGE; FEB. 9, 1985; 15 WEEKS.

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
14	10/06/84	S	0.0	H	5		RC	FUELXX	SCHEDULED POWER REDUCTION TO OPTIMIZE FUEL USE UNTIL REFUELING OUTAGE. CONTROL ROD SCRAM TIMING TESTS WERE ALSO PERFORMED.
15	10/12/84	F	0.0	A	5		RB	VALVEX	CONTROLLED POWER REDUCTION BEGUN IN ANTICIPATION OF UNIT SHUTDOWN REQUIRED TO REPLACE DISC HOLDER ASSEMBLIES IN SCRAM PILOT SOLENOID VALVES.
16	10/13/84	F	105.2	A	2		RB	VALVEX	REACTOR SCRAM TO SHUTDOWN UNIT DURING REPLACEMENT OF DISC HOLDER ASSEMBLIES IN SCRAM PILOT SOLENOID VALVES.
17	10/18/84	F	85.0	B	2	84-045	RB	VALVEX	REACTOR SCRAM REQUIRED TO PERFORM 18 MONTH SURVEILLANCE OF SCRAM DISCHARGE VOLUME VENT AND DRAIN VALVES. SURVEILLANCE FAILED ON FIRST ATTEMPT. VALVES WERE REPLACED AND SURVEILLANCE SUCCESSFULLY RERUN ON 10-21-84.
18	10/27/84	S	0.0	H	5		RC	FUELXX	SCHEDULED POWER REDUCTION TO OPTIMIZE FUEL USE UNTIL REFUELING OUTAGE.

 * SUMMARY *

 SUSQUEHANNA 1 INCURRED 2 SHUTDOWNS IN OCTOBER. THESE ARE DISCUSSED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 10, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE...JUNE 8, 1983
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. JACOBS
LICENSING PROJ MANAGER....R. PERCH
DOCKET NUMBER.....50-387
LICENSE & DATE ISSUANCE...NPF-14, NOVEMBER 12, 1982
PUBLIC DOCUMENT ROOM.....OSTERHOUT FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-388 O P E R A T I N G S T A T U S

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1152

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1065

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>2,892.0</u>	<u>2,892.0</u>
13. Hours Reactor Critical	<u>492.5</u>	<u>2,145.9</u>	<u>2,145.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>449.6</u>	<u>449.6</u>
15. Hrs Generator On-Line	<u>435.6</u>	<u>1,769.3</u>	<u>1,769.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>142.4</u>	<u>142.4</u>
17. Gross Therm Ener (MWH)	<u>1,099,651</u>	<u>3,227,193</u>	<u>3,227,193</u>
18. Gross Elec Ener (MWH)	<u>359,970</u>	<u>989,040</u>	<u>989,040</u>
19. Net Elec Ener (MWH)	<u>344,563</u>	<u>932,026</u>	<u>932,026</u>
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	<u>190.2</u>	<u>626.0</u>	<u>626.0</u>

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

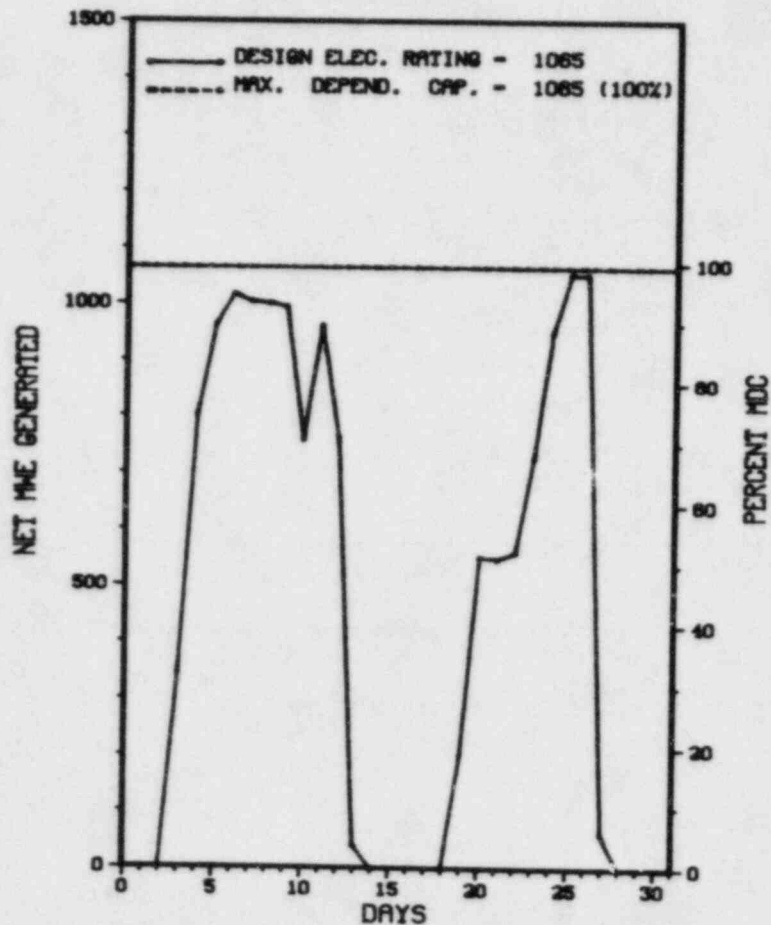
NONE

27. If Currently Shutdown Estimated Startup Date: 12/26/84

* SUSQUEHANNA 2 *

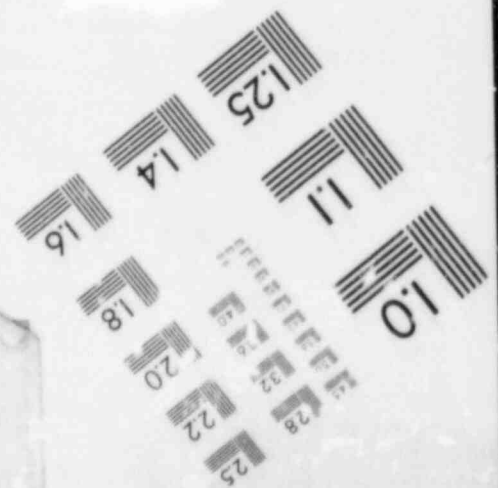
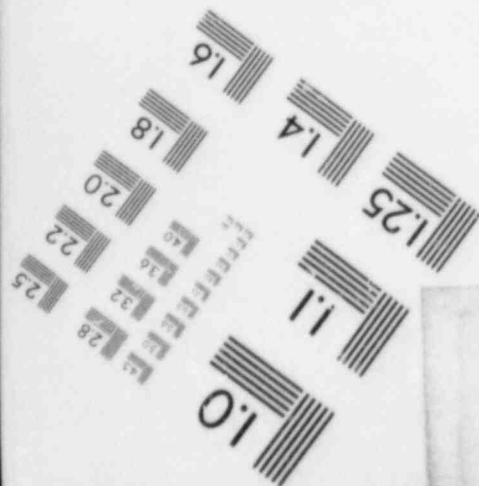
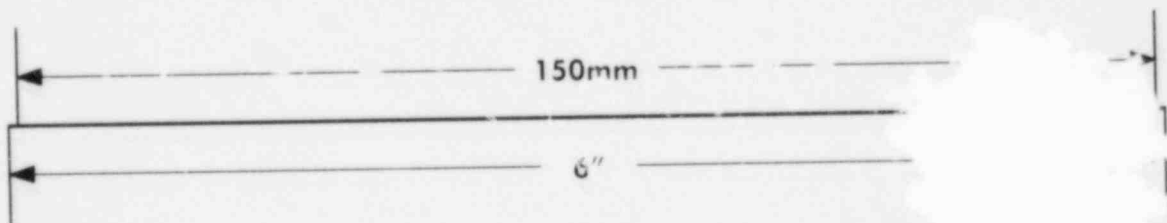
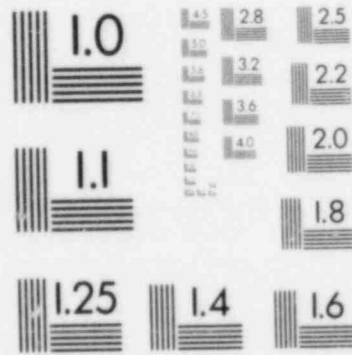
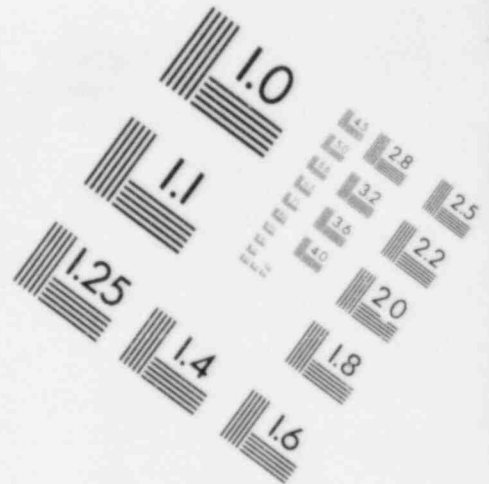
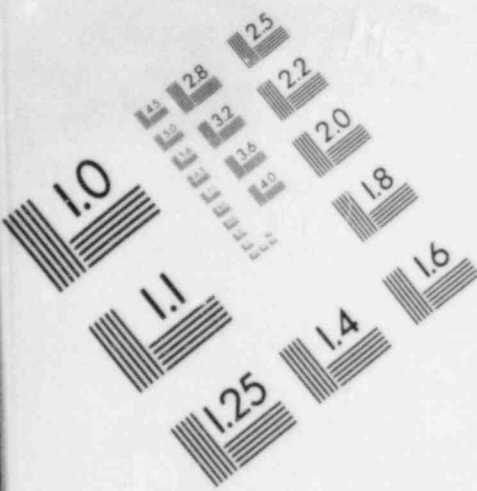
AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



OCTOBER 1984

IMAGE EVALUATION
TEST TARGET (MT-3)



Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	09/30/84	F	46.0	A	3	84-021	CC	INSTRU	REACTOR SCRAM DUE TO TURBINE TRIP ON HIGH LEVEL IN MOISTURE SEPARATOR DRAIN TANK. MODIFICATIONS TO THE MOISTURE SEPARATOR DRAIN TANK LEVEL CONTROL SYSTEM ARE PLANNED AND WILL PREVENT RECURRENCE.
14	10/10/84	S	0.0	B	5				POWER REDUCTION FOR SCHEDULED STARTUP TESTING.
15	10/13/84	F	144.2	B	2		RB	VALVEX	REACTOR SCRAM TO SHUTDOWN UNIT DURING REPLACEMENT OF DISC HOLDER ASSEMBLIES IN SCRAM PILOT SOLENOID VALVES.
16	10/27/84	S	119.2	B	3				REACTOR SCRAM AS PART OF SCHEDULED STARTUP TESTING. PRE-COMMERCIAL OUTAGE COMMENCED.

 * SUMMARY *

 SUSQUEHANNA 2 CONTINUES IN POWER ASCENSION AND TESTING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 8, 1984
DATE ELEC ENER 1ST GENER...JULY 3, 1984
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. PLISCO
LICENSING PROJ MANAGER.....R. PERCH
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE....NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM... ..OSTERHOUS FREE LIBRARY
71 SOUTH FRANKLIN STREET
WILKES-BARRE, PENNSYLVANIA 18701

INSPECTION STATUS

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: C. H. SMYTH (717) 948-8551

4. Licensed Thermal Power (Mwt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

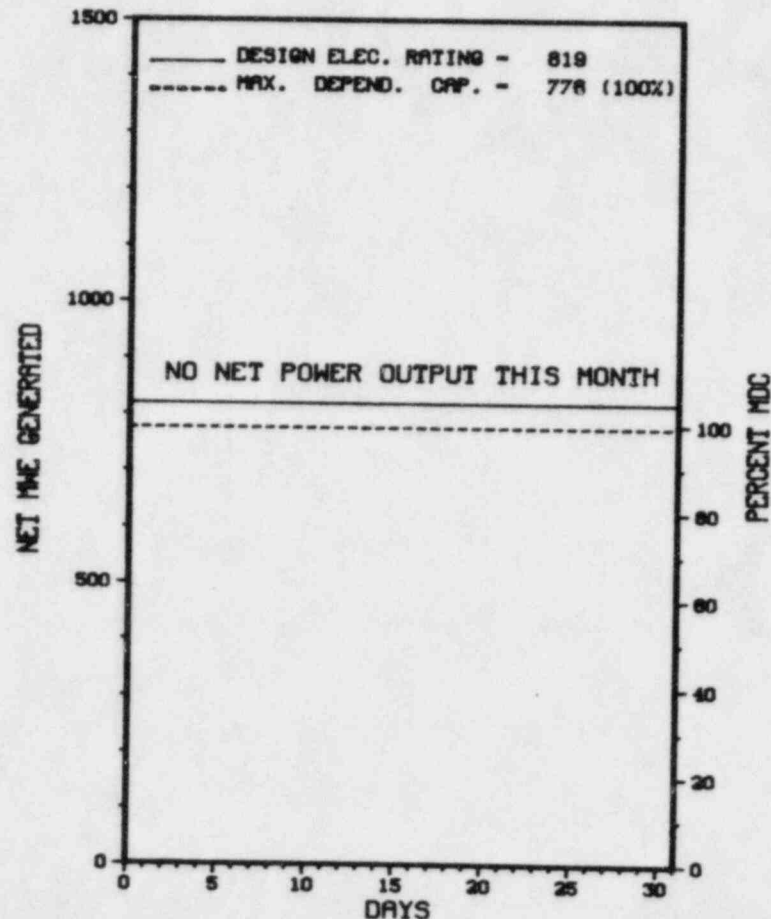
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>89,113.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>839.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>76,531,071</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>25,484,330</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>23,840,053</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>35.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>35.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>34.2*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>32.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>61.8</u>
25. Forced Outage Hours	<u>745.0</u>	<u>7,320.0</u>	<u>50,445.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
THREE MILE ISLAND 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	02/17/79	F	745.0	D	4		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

* SUMMARY *

THREE MILE ISLAND 1 REMAINS SHUT DOWN FOLLOWING THE ACCIDENT AT UNIT 2.

Type	Reason	Method	System & Component
F-Forced	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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* THREE MILE ISLAND 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 5, 1974
DATE ELEC ENER 1ST GENER...JUNE 19, 1974
DATE COMMERCIAL OPERATE...SEPTEMBER 2, 1974
CONDENSER COOLING METHOD... COOLING TOWERS
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....GPU NUCLEAR CORP.
CORPORATE ADDRESS.....P.O. BOX 480
MIDDLETOWN, PENNSYLVANIA 17057

CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....R. CONTE
LICENSING PROJ MANAGER.....J. VANVLIET
DOCKET NUMBER.....50-289
LICENSE & DATE ISSUANCE...DPR-50, APRIL 19, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

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

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1. Docket: 50-344 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: L. A. WILDFONG (503) 556-3713 X397

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>71,592.0</u>
13. Hours Reactor Critical	<u>547.4</u>	<u>3,431.4</u>	<u>42,281.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>506.0</u>	<u>3,317.5</u>	<u>40,871.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>1,285,299</u>	<u>10,441,204</u>	<u>129,005,057</u>
18. Gross Elec Ener (MWH)	<u>412,988</u>	<u>3,364,652</u>	<u>41,940,143</u>
19. Net Elec Ener (MWH)	<u>383,581</u>	<u>3,188,580</u>	<u>39,602,606</u>
20. Unit Service Factor	<u>67.9</u>	<u>45.3</u>	<u>57.1</u>
21. Unit Avail Factor	<u>67.9</u>	<u>45.3</u>	<u>61.6</u>
22. Unit Cap Factor (MDC Net)	<u>47.7</u>	<u>40.3</u>	<u>51.2</u>
23. Unit Cap Factor (DER Net)	<u>45.6</u>	<u>38.5</u>	<u>49.0</u>
24. Unit Forced Outage Rate	<u>18.0</u>	<u>11.3</u>	<u>17.6</u>
25. Forced Outage Hours	<u>110.7</u>	<u>420.8</u>	<u>8,722.6</u>

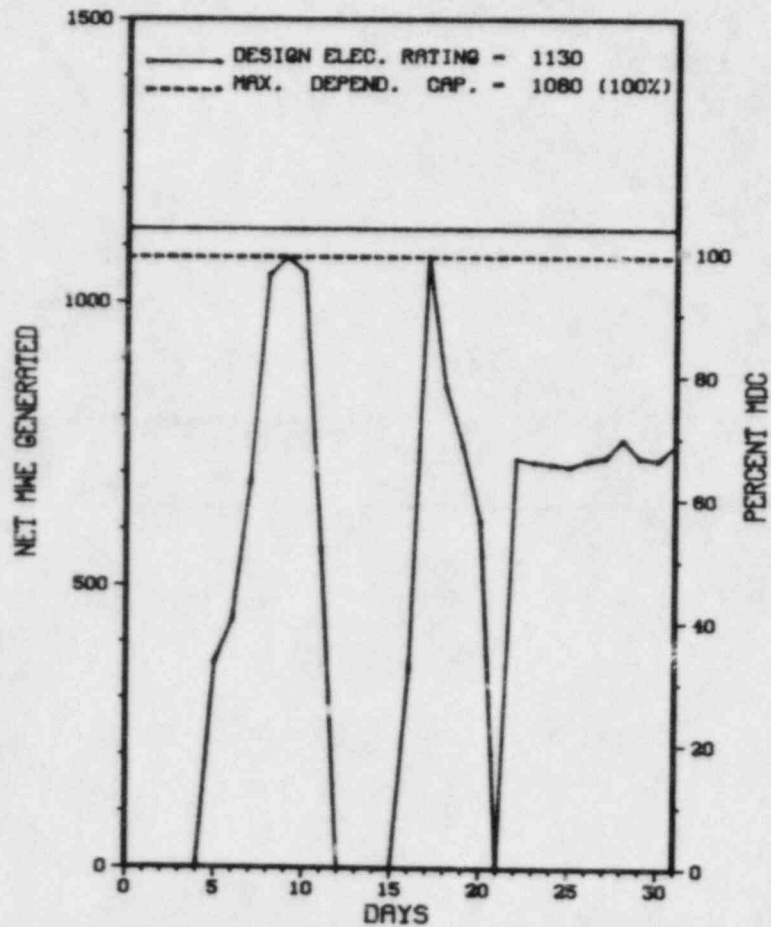
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-10	09/26/84	F	96.4	G	4	84-17	CH	INSTRU	PLANT TRIP ON STEAM GENERATOR LOW-LOW LEVEL AFTER RAPID LOAD REDUCTION FOR POTENTIAL LOSS OF MAIN FEEDWATER PUMP. SUBSEQUENT PLANT TRANSIENT WITH ONE MAIN STEAM SAFETY VALVE STUCK OPEN DUE TO FAILURE TO INSERT CONTROL RODS WITH TURBINE LOAD REDUCTION. PLANT REMAINED DOWN TO TEST SET POINTS ON ALL MAIN STEAM SAFETY VALVES AND ASSESS PLANT READINESS TO RESTART. ALL SAFETY VALVES WERE TESTED SATISFACTORILY; SEVEN REQUIRED READJUSTMENT. MANAGEMENT REVIEW FOR RESTART COMPLETED.
84-11	10/11/84	S	103.7	A	3	84-18	HA	XXXXXX	MAIN GENERATOR SHUT DOWN TO FIX HYDROGEN SEAL LEAKAGE. WHILE REDUCING TURBINE LOAD, REACTOR TRIPPED ON LOSS OF FLOW IN TWO LOOPS WHEN 'A' AND 'C' REACTOR COOLANT PUMPS TRIPPED ON LOSS OF 12.47 KV BUS.
84-12	10/15/84	F	14.3	G	3	84-20			REACTOR TRIP ON 'B' STEAM GENERATOR LOW LOW LEVEL WHILE CONTROLLING LEVEL IN MANUAL ON REACTOR STARTUP.
84-13	10/18/84	F	0.0	A	5		CH	PUMPXX	POWER REDUCED FROM 97% TO 54% TO TAKE SOUTH MAIN FEED PUMP OUT OF SERVICE DUE TO HIGH VIBRATION. POWER RAISED TO 70% ON NORTH MAIN FEED PUMP.
84-14	10/20/84	S	24.6	A	4		CH	VALVEX	MAIN TURBINE GENERATOR TAKEN OFF LINE WITH REACTOR MAINTAINED CRITICAL TO SEAL LEAKING SOUTH MAIN FEED PUMP TURBINE EXHAUST VALVE. POWER RETURNED TO 70% AND SUBSEQUENTLY TO 90% UPON REPAIR OF SOUTH MAIN FEED PUMP TURBINE.

 * SUMMARY *

 TROJAN EXPERIENCED SEVERAL SHUTDOWNS IN OCTOBER AS DESCRIBED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* TROJAN *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...42 MI N OF
PORTLAND, ORE
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 15, 1975
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975
DATE COMMERCIAL OPERATE...MAY 20, 1976
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...COLUMBIA RIVER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....G. JOHNSTON
LICENSING PROJ MANAGER.....C. TRAMMELL
DOCKET NUMBER.....50-344
LICENSE & DATE ISSUANCE...NPF-1, NOVEMBER 21, 1975
PUBLIC DOCUMENT ROOM.....MULTNOMAH COUNTY LIBRARY
SOCIAL SCIENCES & SCIENCE DEPARTMENT
801 SW 10TH AVENUE
PORTLAND, OREGON 97205

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

INSPECTION SUMMARY

+ INSPECTION ON AUGUST 7 - SEPTEMBER 7, 1984 (REPORT NO. 50-344/84-21) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, FOLLOW-UP ON PREVIOUS INSPECTION ITEMS, REFUELING ACTIVITIES, PLANT MODIFICATION WORK, AND REPAIR ACTIVITIES ASSOCIATED WITH CONTROL ROD L-3, AND THE 'A' AND 'D' REACTOR COOLANT PUMP SEALS. THE INSPECTION INVOLVED 216 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 28 - NOVEMBER 1, 1984 (REPORT NO. 50-344/84-23) REPORT CANCELLED.

+ INSPECTION ON SEPTEMBER 10 - OCTOBER 31, 1984 (REPORT NO. 50-344/84-26) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 15-19, 1984 (REPORT NO. 50-344/84-27) REPORT BEING PREPARED; TO REPORTED NEXT MONTH.

+ INSPECTION ON SEPTEMBER 11-19, 1984 (REPORT NO. 50-344/84-28) AREAS INSPECTED: THIS INSPECTION INCLUDED A REVIEW OF CHEMICAL AND RADIO-CHEMICAL PROCEDURES AND PRACTICES, THE QUALITY ASSURANCE PROGRAMS ASSOCIATED WITH THESE ACTIVITIES, AND A SPLIT SAMPLE MEASUREMENT VERIFICATION EFFORT INVOLVING THE REGION V MOBILE LABORATORY. THE INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE AND 10 INSPECTOR-HOURS OFFSITE BY ONE NRC INSPECTOR.

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1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (Mwt): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>104,385.6</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>6,358.3</u>	<u>74,383.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>6,248.8</u>	<u>72,171.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,619,414</u>	<u>13,431,461</u>	<u>148,920,053</u>
18. Gross Elec Ener (MWH)	<u>525,210</u>	<u>4,323,995</u>	<u>47,534,560</u>
19. Net Elec Ener (MWH)	<u>500,152</u>	<u>4,100,789</u>	<u>45,013,806</u>
20. Unit Service Factor	<u>100.0</u>	<u>85.4</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>85.4</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>100.8</u>	<u>84.1</u>	<u>66.5*</u>
23. Unit Cap Factor (DER Net)	<u>96.9</u>	<u>80.8</u>	<u>62.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.4</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>502.8</u>	<u>3,682.2</u>

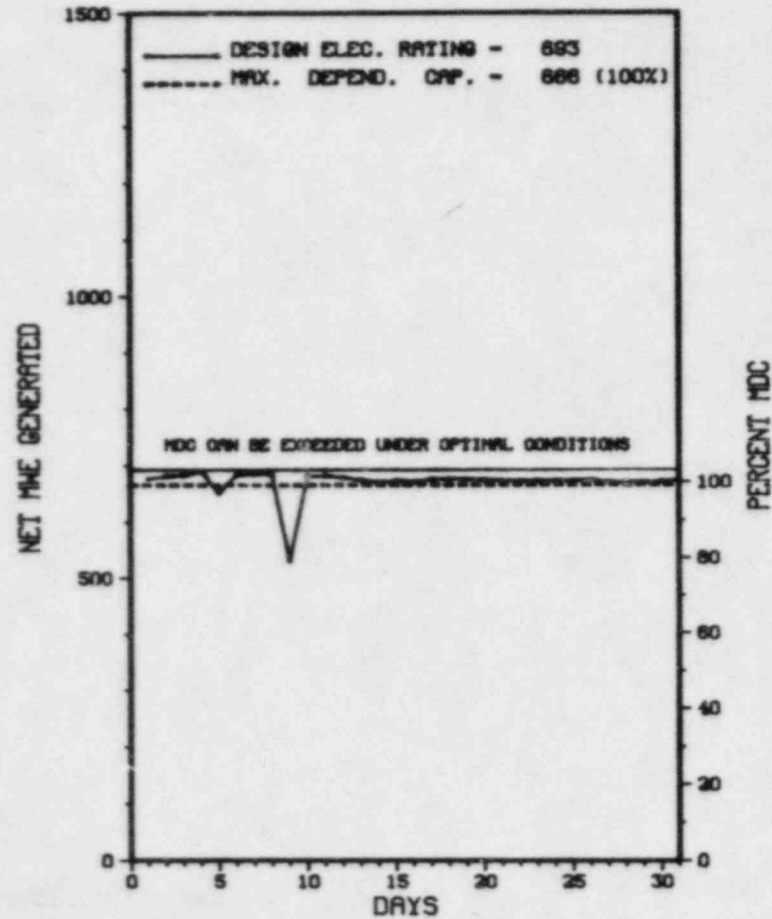
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING, MARCH 22, 1985, 11 WEEKS.

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 3



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 3 *

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

NONE

* SUMMARY *

TURKEY POINT 3 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* TURKEY POINT 3 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 0 3100
MIAMI, FLORIDA 33174

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEEBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-250
LICENSE & DATE ISSUANCE...DPR-31, JULY 19, 1972
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 17 (84-23): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 84 INSPECTOR-HOURS ON SITE, INCLUDING 21 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORT (LER) FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, DESIGN CHANGES, CALIBRATION, INDEPENDENT INSPECTION AND EXIT INTERVIEWS. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS: FOUR VIOLATIONS WERE IDENTIFIED IN THREE AREAS (FAILURE TO ORIGINATE OPERATING RECORDS - PARAGRAPH 6; FAILURE TO PERFORM AN ADEQUATE SURVEILLANCE TEST - PARAGRAPH 6; FAILURE TO FOLLOW PROCEDURE - PARAGRAPH 9, WITH ADDITIONAL EXAMPLES IN PARAGRAPHS 11 AND 13; FAILURE TO REQUIRE COMPLETE UNREVIEWED SAFETY QUESTION DETERMINATIONS) AND TWO EXAMPLES OF A PREVIOUS VIOLATION WERE NOTED IN TWO AREAS (INADEQUATE SAFETY EVALUATION - PARAGRAPH 3; INADEQUATE CURVE BOOK PROCEDURE - PARAGRAPH 14).

INSPECTION AUGUST 20-24 (84-27): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 17 INSPECTOR-HOURS ON SITE IN THE AREAS OF AUDITS AND SURVEILLANCES, RADIOACTIVE EFFLUENT RELEASES, RADIOACTIVE MATERIAL CONTROL, TRANSPORTATION OF RADIOACTIVE MATERIAL, NUREG 0737 REQUIREMENTS, REACTOR COOLANT QUALITY, FILTER TESTING, INTERNAL EXPOSURE CONTROL, EXTERNAL EXPOSURE CONTROL, IE INFORMATION NOTICES, AND FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS. TWO VIOLATIONS - FAILURE TO ANALYZE CARBON SAMPLES FROM A UNIT 4 EMERGENCY CONTAINMENT FILTER WITHIN 45 DAYS OF REMOVAL AND FAILURE TO HAVE A SPECIFIC RADIATION WORK PERMIT TO DECONTAMINATE MATERIAL IN THE DRY STORAGE WAREHOUSE.

INSPECTION AUGUST 17 - SEPTEMBER 27 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 106 INSPECTION HOURS ON SITE, INCLUDING 24 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LER FOLLOWUP, ANNUAL AND MONTHLY

INSPECTION SUMMARY

SURVEILLANCE, MONTHLY AND REFUELING MAINTENANCE, OPERATIONAL SAFETY, ENGINEERING SAFETY FEATURES WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THREE AREAS (PARAGRAPH 8, FAILURE TO RETAIN AN OPERATING RECORD; PARAGRAPH 10, FAILURE TO FOLLOW THE POST TRIP REVIEW PROCEDURE; PARAGRAPH 11, FAILURE TO ESTABLISH AN ADEQUATE STARTUP PROCEDURE).

INSPECTION SEPTEMBER 17-20 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE INSPECTING: SECURITY ORGANIZATION-PERSONNEL; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED/VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROLS-PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS-PROTECTED/VITAL AREAS; ALARM STATIONS; COMMUNICATIONS, AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-13 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III, STATES THAT THE LICENSE IS SUBJECT TO 10 CFR 50.59. 10 CFR 50.59(1) REQUIRES THAT EVALUATIONS BE CONDUCTED TO DETERMINE IF AN UNREVIEWED SAFETY QUESTION EXISTS PRIOR TO A FACILITY CHANGE, PROCEDURE CHANGE OR TEST BEING ACCOMPLISHED. 10 CFR 50.59(2) REQUIRES THAT THE EVALUATION BE MADE AGAINST EVALUATIONS PREVIOUSLY DONE IN THE SAFETY ANALYSIS REPORT. CONTRARY TO THE ABOVE, THE LICENSE DID NOT REQUIRE THAT EVALUATIONS BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF 10 CFR 50.59 IN THAT THE ADMINISTRATIVE PROCEDURES 0190.15, 0109.1 AND 0103.3 COVERING, RESPECTIVELY; DESIGN CHANGES, PROCEDURES CHANGES AND TEMPORARY SYSTEM ALTERATIONS DID NOT REQUIRE THAT THE EVALUATIONS BE DONE AGAINST THE ENTIRE SAFETY ANALYSIS REPORT BUT ONLY AGAINST THE CHAPTER 14 ACCIDENT ANALYSIS. TECHNICAL SPECIFICATION 4.5.2.A REQUIRES THAT THE RESIDUAL HEAT REMOVAL (RHR) AND HIGH HEAD SAFETY INJECTION HHSI PUMPS BE STARTED MONTHLY; THAT THEY START AND REACH THIS REQUIRED HEAD AND THAT THE INSTRUMENTS AND VISUAL OBSERVATIONS INDICATE PROPER FUNCTIONING DURING THE TEST. CONTRARY TO THE ABOVE, THE PUMP SURVEILLANCE TESTS, OP 4004.1 AND OP 4104.1, DID NOT VERIFY BY THE INSTRUMENTS AND VISUAL OBSERVATIONS THAT THE PUMPS WERE PROPERLY FUNCTIONING IN THAT NEITHER PROCEDURE VERIFIED THAT THE SEALS, SEAL WATER SYSTEM AND COMPONENT COOLING WATER SYSTEM MET ITS DESIGN FUNCTION DURING THE TEST. THEREFORE, ON AUGUST 1-2, 1984, THE TESTS ON THE RHR PUMPS ON BOTH UNITS CONDUCTED PER OP 4004.1 AND THE TESTS ON THE HHSI PUMPS CONDUCTED PER OP 4104.1 DURING JULY 1984 WERE INADEQUATE. THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III.D REQUIRES THAT FP&L SHALL ORIGINATE FACILITY OPERATING RECORDS IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. TECHNICAL SPECIFICATION 6.10.1.D REQUIRES RECORDS OF SURVEILLANCE ACTIVITIES REQUIRED BY THE TECHNICAL SPECIFICATION BE KEPT FOR FIVE YEARS. 10 CFR 50 APPENDIX B, CRITERION XVII REQUIRES RECORDS AFFECTING QUALITY SHALL INCLUDE THE RESULTS OF TESTS AND THAT TEST RECORDS SHALL IDENTIFY THE DATA RECORDER, THE ACCEPTABILITY AND THE ACTION TAKEN IN CONNECTION WITH ANY DEFICIENCIES. THE FP&L QUALITY ASSURANCE TOPICAL SECTION 17.2.1, REVISION 0 AND QUALITY PROCEDURE 17.1, REVISION 11 IMPLEMENTS THESE REQUIREMENTS. CONTRARY TO THE ABOVE, THE DATA ORIGINATED AS A FACILITY OPERATING RECORD OF THE REQUIRED TECHNICAL SPECIFICATION TEST PERFORMED ON JULY 26, 1984, ON THE 'A' EMERGENCY DIESEL PER OP 4304.1 DID NOT HAVE THE IDENTITY OF THE DATA RECORDER NOR THE ACCEPTABILITY AND THE ACTION TAKEN IN CONNECTION WITH ANY DEFICIENCY. TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED AND IMPLEMENTED. THE ADMINISTRATIVE POLICY FOR SYSTEMS/EQUIPMENT ACCEPTANCE/TURNOVER TO PLANT STAFF WAS ESTABLISHED BY AP 0103.7 WHICH REQUIRES THE STARTUP TEST GROUP TO HAVE THE RESPONSIBILITY FOR THE WALKDOWN OF THE SYSTEM TO IDENTIFY DISCREPANCIES AND TO HAVE THE OPERATING DRAWINGS UPDATED. CONTRARY TO THE ABOVE, AP 0103.7 WAS NOT IMPLEMENTED IN JANUARY THROUGH MAY 1984 DURING THE TURNOVER OF THE PRESSURIZER HEATER CIRCUIT MODIFICATION, PC/M 81-29 AND 81-30 IN THAT THE DISCREPANCY OF THE BYPASS SWITCHES NOT BEING LABELED WAS NOT IDENTIFIED AND THE OPERATING DRAWING CHANGE TO INCORPORATE PC/M 81-30 WAS NOT ACCOMPLISHED.

(8423 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED, THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.72 AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33. ANSI N18.72 REQUIRES THAT ADEQUATE STARTUP PROCEDURES SHALL BE PROVIDED THAT INCLUDE STARTING THE REACTOR FROM COLD OR HOT SHUTDOWN CONDITIONS AND ESTABLISHING POWER OPERATION. SECTION 2 OF APPENDIX A OF USNRC REGULATORY GUIDE 1.33

ENFORCEMENT SUMMARY

RECOMMENDS THAT INSTRUCTIONS FOR CHANGING MODES OF OPERATION SHOULD BE ESTABLISHED COVERING THE TRANSITION FROM HOT STANDBY TO MINIMUM LOAD DURING NUCLEAR STARTUP. CONTRARY TO THE ABOVE, AS OF AUGUST 23, 1984, ADEQUATE STARTUP PROCEDURES HAD NOT BEEN ESTABLISHED IN THAT: (A) OPERATING PROCEDURE (OP) 1009.1, "ESTIMATED CRITICAL CONDITIONS," COULD NOT BE USED TO ACCURATELY ESTIMATE THE POINT OF REACTOR CRITICALITY EXCEPT UNDER EXTREMELY LIMITED CIRCUMSTANCES. (B) THE INVERSE COUNT RATE DATA AND PLOT SHEET ATTACHED TO OP-0202.2 "UNIT STARTUP-HOT SHUTDOWN TO POWER OPERATION," LACKED SPECIFIED PRECAUTIONS AND IMPLEMENTATION INSTRUCTIONS, THE ABSENCE OF WHICH PRECLUDED ITS USE TO ACCURATELY MONITOR THE APPROACH TO REACTOR CRITICALITY.

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.72 AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33. OFF NORMAL OPERATING PROCEDURE (ONOP) 0208.1, "SHUTDOWN RESULTING FROM REACTOR TRIP ON TURBINE TRIP," IN APPENDIX A, REQUIRES THAT THE TIME DELAY BETWEEN REACTOR TRIP RELAY DROPOUT AND REACTOR TRIP BREAKER OPENING BE NO MORE THAN 100 MILLISECONDS. TIMES IN EXCESS OF THIS AMOUNT REQUIRE EVALUATION. CONTRARY TO THE ABOVE, ON SEPTEMBER 20, 1984, WHILE PERFORMING ONOP 0208.1 FOLLOWING A UNIT 4 TRIP, THE LICENSEE FAILED TO IDENTIFY THAT THE TIME INTERVAL BETWEEN RELAY DROPOUT AND REACTOR TRIP BREAKER 4B OPENING EXCEEDED 100 MILLISECONDS. CONSEQUENTLY, THE REQUIRED ANALYSIS OF THE SIGNIFICANCE OF THE INFORMATION WAS NOT PERFORMED PRIOR TO RETURNING THE REACTOR TO POWER OPERATION.
(8428 4)

THE FACILITY OPERATING LICENSE REQUIRES THE LICENSEE TO ORIGINATE AND MAINTAIN FACILITY OPERATING RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS. TECHNICAL SPECIFICATION 6.10.1 REQUIRES RECORDS AND LOGS OF FACILITY OPERATION TO BE RETAINED FOR AT LEAST FIVE YEARS. CONTRARY TO THE ABOVE, PRIOR TO AUGUST 1984, THE LICENSEE DID NOT RETAIN GRAPHS AND CHARTS FROM THE PLANT CURVE BOOK WHICH CONSTITUTE RECORDS OF FACILITY OPERATING PARAMETERS.
(8428 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: AUGUST 17 - SEPTEMBER 27, 1984 +

INSPECTION REPORT NO: 50-250/84-28 +

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-023			RUNBACK DUE TO DROPPED ROD.
84-024	09/02/84	10/04/84	SURVEILLANCE REQUIREMENTS MISSED - THE SURVEILLANCE TEST WAS COMPLETED UPON DISCOVERY.

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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: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: N. M. GRANT (305) 552-3675

4. Licensed Thermal Power (Mht): 2200

5. Nameplate Rating (Gross MWe): 894 X 0.85 = 760

6. Design Electrical Rating (Net MWe): 693

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 666

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

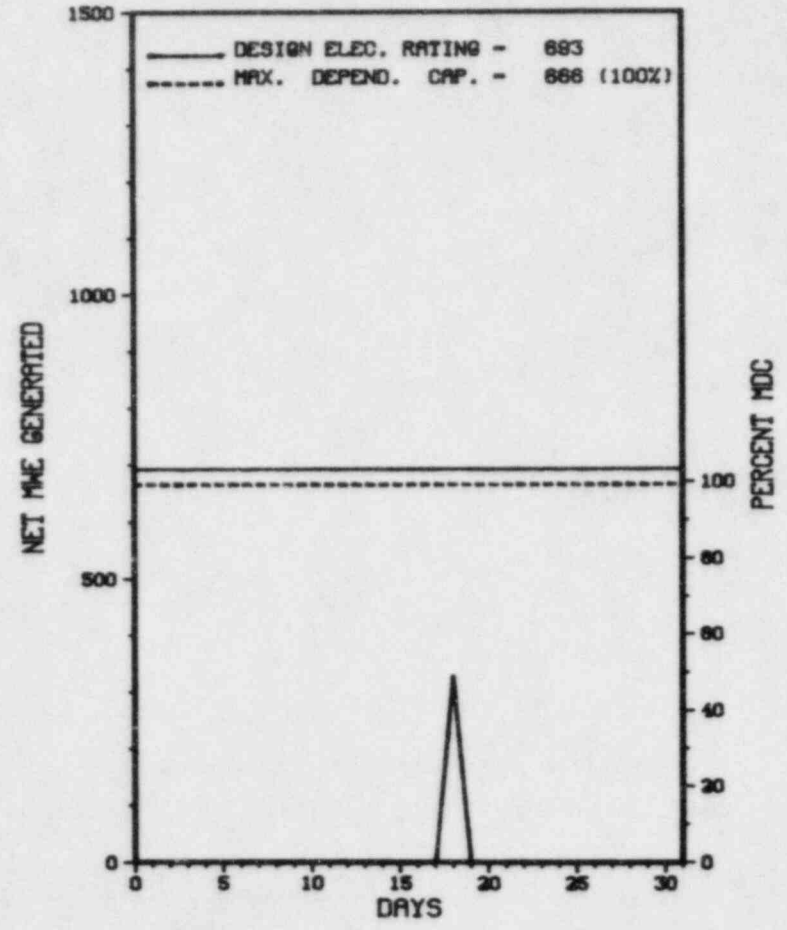
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>98,113.0</u>
13. Hours Reactor Critical	<u>45.2</u>	<u>3,851.9</u>	<u>68,490.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>15.1</u>	<u>3,655.0</u>	<u>66,123.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>27,614</u>	<u>7,941,773</u>	<u>139,697,514</u>
18. Gross Elec Ener (MWH)	<u>8,455</u>	<u>2,470,940</u>	<u>44,392,302</u>
19. Net Elec Ener (MWH)	<u>254</u>	<u>2,320,787</u>	<u>42,027,895</u>
20. Unit Service Factor	<u>2.0</u>	<u>49.9</u>	<u>67.4</u>
21. Unit Avail Factor	<u>2.0</u>	<u>49.9</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>.1</u>	<u>47.6</u>	<u>66.1*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>45.7</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>95.5</u>	<u>24.0</u>	<u>5.8</u>
25. Forced Outage Hours	<u>319.1</u>	<u>1,156.3</u>	<u>3,698.1</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 11/05/84

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
21	09/28/84	S	194.3	B	1		CB	VALVEX	UNIT NO. 4 REMOVED FROM POWER OPERATION TO REPAIR LEAKAGE TO THE PRESSURIZER RELIEF TANK.
22	10/09/84	S	196.7	B	1	84-022	EB	GENERA	DURING HEATUP, REACTOR TRIPPED DUE TO BLOWN FUSE IN NORMAL STATIC INVERTER.
23	10/17/84	S	19.8	A	1		HB	VALVEX	MSIV REQUIRED MODIFICATIONS TO ALLOW VALVE TO MEET CLOSURE TIMES AND OPERABILITY REQUIREMENTS.
24	10/18/84	F	319.1	A	1		CG	PUMPXX	RCP SEAL REPLACED.

 * SUMMARY *

 TURKEY POINT 4 INCURRED SEVERAL SHUTDOWNS AS DISCUSSED ABOVE.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 11, 1973
DATE ELEC ENER 1ST GENER...JUNE 21, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 7, 1973
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEEBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION JULY 15 - AUGUST 17 (84-24): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 84 INSPECTOR-HOURS ON SITE, INCLUDING 21 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORT (LER) FOLLOWUP, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, DESIGN CHANGES, CALIBRATION, INDEPENDENT INSPECTION AND EXIT INTERVIEWS. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FOUR AREAS: FOUR VIOLATIONS WERE IDENTIFIED IN THREE AREAS (FAILURE TO ORIGINATE OPERATING RECORDS - PARAGRAPH 6; FAILURE TO PERFORM AN ADEQUATE SURVEILLANCE TEST - PARAGRAPH 6; FAILURE TO FOLLOW PROCEDURE - PARAGRAPH 9, WITH ADDITIONAL EXAMPLES IN PARAGRAPHS 11 AND 13; FAILURE TO REQUIRE COMPLETE UNREVIEWED SAFETY QUESTION DETERMINATIONS) AND TWO EXAMPLES OF A PREVIOUS VIOLATION WERE NOTED IN TWO AREAS (INADEQUATE SAFETY EVALUATION - PARAGRAPH 3; INADEQUATE CURVE BOOK PROCEDURE - PARAGRAPH 14).

INSPECTION AUGUST 20-24 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF AUDITS AND SURVEILLANCES, RADIOACTIVE EFFLUENT RELEASES, RADIOACTIVE MATERIAL CONTROL, TRANSPORTATION OF RADIOACTIVE MATERIAL, NUREG 0737 REQUIREMENTS, REACTOR COOLANT QUALITY, FILTER TESTING, INTERNAL EXPOSURE CONTROL, EXTERNAL EXPOSURE CONTROL, IE INFORMATION NOTICES, AND FOLLOWUP ON PREVIOUS INSPECTOR IDENTIFIED ITEMS. TWO VIOLATIONS - FAILURE TO ANALYZE CARBON SAMPLES FROM A UNIT 4 EMERGENCY CONTAINMENT FILTER WITHIN 45 DAYS OF REMOVAL AND FAILURE TO HAVE A SPECIFIC RADIATION WORK PERMIT TO DECONTAMINATE MATERIAL IN THE DRY STORAGE WAREHOUSE.

INSPECTION AUGUST 17 - SEPTEMBER 27 (84-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 107 INSPECTION HOURS ON SITE, INCLUDING 24 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, LER FOLLOWUP, ANNUAL AND MONTHLY

INSPECTION SUMMARY

SURVEILLANCE, MONTHLY AND REFUELING MAINTENANCE, OPERATIONAL SAFETY, ENGINEERING SAFETY FEATURES WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; THREE VIOLATIONS WERE IDENTIFIED IN THREE AREAS (PARAGRAPH 8, FAILURE TO RETAIN AN OPERATING RECORD; PARAGRAPH 10, FAILURE TO FOLLOW THE POST TRIP REVIEW PROCEDURE; PARAGRAPH 11, FAILURE TO ESTABLISH AN ADEQUATE STARTUP PROCEDURE).

INSPECTION SEPTEMBER 17-20 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE INSPECTING: SECURITY ORGANIZATION-PERSONNEL; TESTING AND MAINTENANCE; PHYSICAL BARRIERS-PROTECTED/VITAL AREAS; SECURITY SYSTEM POWER SUPPLY; ACCESS CONTROLS-PERSONNEL/ PACKAGES/VEHICLES; DETECTION AIDS-PROTECTED/VITAL AREAS; ALARM STATIONS; COMMUNICATIONS, AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 10-13 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III, STATES THAT THE LICENSE IS SUBJECT TO 10 CFR 50.59. 10 CFR 50.59(1) REQUIRES THAT EVALUATIONS BE CONDUCTED TO DETERMINE IF AN UNREVIEWED SAFETY QUESTION EXISTS PRIOR TO A FACILITY CHANGE, PROCEDURE CHANGE OR TEST BEING ACCOMPLISHED. 10 CFR 50.59(2) REQUIRES THAT THE EVALUATION BE MADE AGAINST EVALUATIONS PREVIOUSLY DONE IN THE SAFETY ANALYSIS REPORT. CONTRARY TO THE ABOVE, THE LICENSE DID NOT REQUIRE THAT EVALUATIONS BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF 10 CFR 50.59 IN THAT THE ADMINISTRATIVE PROCEDURES 0190.15, 0109.1 AND 0103.3 COVERING, RESPECTIVELY; DESIGN CHANGES, PROCEDURES CHANGES AND TEMPORARY SYSTEM ALTERATIONS DID NOT REQUIRE THAT THE EVALUATIONS BE DONE AGAINST THE ENTIRE SAFETY ANALYSIS REPORT BUT ONLY AGAINST THE CHAPTER 14 ACCIDENT ANALYSIS. TECHNICAL SPECIFICATION 4.5.2.A REQUIRES THAT THE RESIDUAL HEAT REMOVAL (RHR) AND HIGH HEAD SAFETY INJECTION HHSI PUMPS BE STARTED MONTHLY; THAT THEY START AND REACH THIS REQUIRED HEAD AND THAT THE INSTRUMENTS AND VISUAL OBSERVATIONS INDICATE PROPER FUNCTIONING DURING THE TEST. CONTRARY TO THE ABOVE, THE PUMP SURVEILLANCE TESTS, OP 4004.1 AND OP 4104.1, DID NOT VERIFY BY THE INSTRUMENTS AND VISUAL OBSERVATIONS THAT THE PUMPS WERE PROPERLY FUNCTIONING IN THAT NEITHER PROCEDURE VERIFIED THAT THE SEALS, SEAL WATER SYSTEM AND COMPONENT COOLING WATER SYSTEM MET ITS DESIGN FUNCTION DURING THE TEST. THEREFORE, ON AUGUST 1-2, 1984, THE TESTS ON THE RHR PUMPS ON BOTH UNITS CONDUCTED PER OP 4004.1 AND THE TESTS ON THE HHSI PUMPS CONDUCTED PER OP4104.1 DURING JULY 1984 WERE INADEQUATE. THE FACILITY OPERATING LICENSES, DPR-31 AND DPR-41, SECTION III.D REQUIRES THAT FP&L SHALL ORIGINATE FACILITY OPERATING RECORDS IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. TECHNICAL SPECIFICATION 6.10.1.D REQUIRES RECORDS OF SURVEILLANCE ACTIVITIES REQUIRED BY THE TECHNICAL SPECIFICATION BE KEPT FOR FIVE YEARS. 10 CFR 50 APPENDIX B, CRITERION XVII REQUIRES RECORDS AFFECTING QUALITY SHALL INCLUDE THE RESULTS OF TESTS AND THAT TEST RECORDS SHALL IDENTIFY THE DATA RECORDER, THE ACCEPTABILITY AND THE ACTION TAKEN IN CONNECTION WITH ANY DEFICIENCIES. THE FP&L QUALITY ASSURANCE TOPICAL SECTION 17.2.1, REVISION 0 AND QUALITY PROCEDURE 17.1, REVISION 11 IMPLEMENTS THESE REQUIREMENTS. CONTRARY TO THE ABOVE, THE DATA ORIGINATED AS A FACILITY OPERATING RECORD OF THE REQUIRED TECHNICAL SPECIFICATION TEST PERFORMED ON JULY 26, 1984, ON THE 'A' EMERGENCY DIESEL PER OP 4304.1 DID NOT HAVE THE INFORMATION REQUIRED TO QUALIFY IT AS A RECORD AS REQUIRED BY THE ABOVE IN THAT THE DATA AND RECORD SHEETS DID NOT REQUIRE THE IDENTITY OF THE DATA RECORDER NOR THE ACCEPTABILITY AND THE ACTION TAKEN IN CONNECTION WITH ANY DEFICIENCY. TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED AND IMPLEMENTED. THE ADMINISTRATIVE POLICY FOR SYSTEMS/EQUIPMENT ACCEPTANCE/TURNOVER TO PLANT STAFF WAS ESTABLISHED BY AP 0103.7 WHICH REQUIRES THE STARTUP TEST GROUP TO HAVE THE RESPONSIBILITY FOR THE WALKDOWN OF THE SYSTEM TO IDENTIFY DISCREPANCIES AND TO HAVE THE OPERATING DRAWINGS UPDATED. CONTRARY TO THE OPERATING DRAWINGS UPDATED. CONTRARY TO THE ABOVE, AP 0103.7 WAS NOT IMPLEMENTED IN JANUARY THROUGH MAY 1984 DURING THE TURNOVER OF THE PRESSURIZER HEATER CIRCUIT MODIFICATION, PC/M 81-29 AND 81-30 IN THAT THE DISCREPANCY OF THE BYPASS SWITCHES NOT BEING LABELED WAS NOT IDENTIFIED AND THE OPERATING DRAWING CHANGE TO INCORPORATE PC/M 81-30 WAS NOT ACCOMPLISHED.

(8424 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES SHALL BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED, THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF SECTION 5.1 AND 5.3 OF ANSI N18.72 AND APPENDIX A OF USNRC REGULATORY GUIDE 1.33. ANSI N18.72 REQUIRES THAT ADEQUATE STARTUP PROCEDURES SHALL BE PROVIDED THAT INCLUDE STARTING THE REACTOR FROM COLD OR HOT SHUTDOWN CONDITIONS AND ESTABLISHING POWER OPERATION. SECTION 2 OF APPENDIX A OF USNRC REGULATORY GUIDE 1.33

Report Period OCT 1984

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* TURKEY POINT 4 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-018	08/29/84	09/28/84	A LIMITING CONDITION FOR THE 4B INTAKE COOLING WATER HEADER HAD BEEN EXCEEDED. ON THE SPOT CHANGES WERE MADE TO SEVERAL PROCEDURES.

=====

1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: F. J. BURGER (802) 257-7711 X136

4. Licensed Thermal Power (Mwt): 1593

5. Nameplate Rating (Gross MWe): 626 X 0.9 = 563

6. Design Electrical Rating (Net MWe): 514

7. Maximum Dependable Capacity (Gross MWe): 535

8. Maximum Dependable Capacity (Net MWe): 504

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

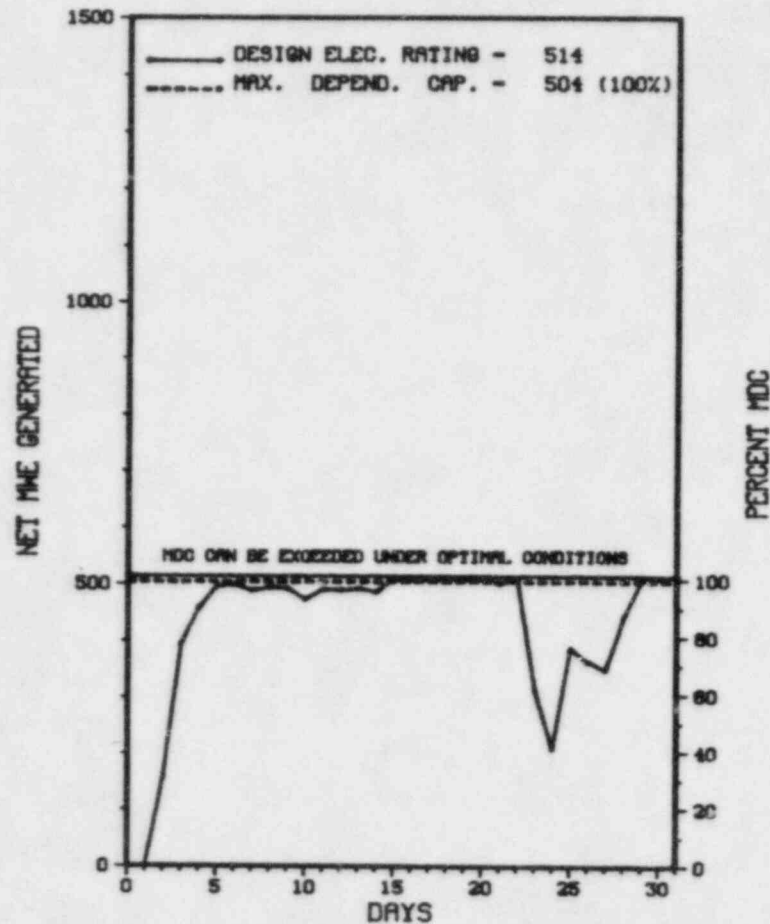
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>106,178.8</u>
13. Hours Reactor Critical	<u>722.1</u>	<u>5,651.2</u>	<u>85,349.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>711.6</u>	<u>5,473.4</u>	<u>82,965.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,041,181</u>	<u>8,095,677</u>	<u>120,256,349</u>
18. Gross Elec Ener (MWH)	<u>346,564</u>	<u>2,714,878</u>	<u>40,007,956</u>
19. Net Elec Ener (MWH)	<u>326,312</u>	<u>2,585,992</u>	<u>37,951,008</u>
20. Unit Service Factor	<u>95.5</u>	<u>74.8</u>	<u>78.1</u>
21. Unit Avail Factor	<u>95.5</u>	<u>74.8</u>	<u>78.1</u>
22. Unit Cap Factor (MDC Net)	<u>86.9</u>	<u>70.1</u>	<u>70.9</u>
23. Unit Cap Factor (DER Net)	<u>85.2</u>	<u>68.7</u>	<u>69.5</u>
24. Unit Forced Outage Rate	<u>4.5</u>	<u>9.2</u>	<u>7.5</u>
25. Forced Outage Hours	<u>33.4</u>	<u>555.0</u>	<u>5,446.2</u>

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



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-17	09/30/84	F	33.4	A	4		CD	VALVOP	PLANT SHUTDOWN DUE TO SLOW MSIV CLOSING TIMES CAUSED BY GALLED GUIDE RODS ON VALVE ACTUATOR. THE ACTUATOR WAS REBUILT AND RETURNED TO SERVICE.
84-18	10/23/84	F	0.0	A	5	84-22	EE	RELAYX	COMMENCED SHUTDOWN BECAUSE BOTH EMERGENCY DIESEL GENERATORS WERE OUT OF SERVICE DUE TO FAILED DIFFERENTIAL RELAYS. RELAYS WERE REPAIRED AND RETURNED TO SERVICE. SHUTDOWN TERMINATED.
84-19	10/26/84	F	0.0	A	5		RB	CONROD	POWER REDUCTION FOR CONTROL ROD PATTERN ADJUSTMENT AND OTHER TESTING.

 * SUMMARY *

 VERMONT YANKEE INCURRED 1 SHUTDOWN IN OCTOBER DUE TO SLOW MSIV CLOSING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

FACILITY DESCRIPTION

LOCATION
STATE.....VERMONT
COUNTY.....WINDHAM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT
TYPE OF REACTOR.....BNR
DATE INITIAL CRITICALITY...MARCH 24, 1972
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972
DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CONNECTICUT RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VERMONT YANKEE NUCLEAR POWER
CORPORATE ADDRESS.....1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....W. RAYMOND
LICENSING PROJ MANAGER.....V. ROONEY
DOCKET NUMBER.....50-271
LICENSE & DATE ISSUANCE...DPR-28, FEBRUARY 28, 1973
PUBLIC DOCUMENT ROOM.....BROOKS MEMORIAL LIBRARY
224 MAIN STREET
BRATTLEBORO, VERMONT 05301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.5.E REQUIRES THAT THE HPCI SYSTEM BE OPERABLE DURING REACTOR OPERATIONS ABOVE 150 PSIG. TECHNICAL SPECIFICATION 3.2 REQUIRES FOR THE HPCI SYSTEM TO BE CONSIDERED OPERABLE THAT THE SYSTEM BE CAPABLE OF AUTOMATICALLY INITIATING IN RESPONSE TO CONDITIONS OF LOW REACTOR VESSEL WATER LEVEL AND HIGH DRYWELL PRESSURE. CONTRARY TO THE ABOVE, THE HPCI SYSTEM WAS INOPERABLE FROM ABOUT 8:30 A.M. ON APRIL 16, 1984 UNTIL ABOUT 4:45 A.M. ON APRIL 20, 1984, IN THAT THE SYSTEM WAS INCAPABLE OF AUTOMATICALLY STARTING UPON RECEIPT OF A HIGH DRYWELL PRESSURE INITIATION SIGNAL.

TECHNICAL SPECIFICATION 6.5.A REQUIRES THAT WRITTEN PROCEDURES GOVERNING REACTOR STARTUP OPERATIONS BE IMPLEMENTED AND FOLLOWED. TECHNICAL SPECIFICATION 6.5.D ALLOWS TEMPORARY CHANGES TO BE MADE TO APPROVED OPERATING PROCEDURES PROVIDED CERTAIN CONTROLS ARE FOLLOWED REGARDING REVIEW AND DOCUMENTATION OF THE CHANGES. PROCEDURE OP 0100, REACTOR STARTUP TO CRITICALITY, REV. 14, WAS WRITTEN PURSUANT TO TECHNICAL SPECIFICATION 6.5.A TO SPECIFY THE STEPS REQUIRED TO ACHIEVE REACTOR CRITICALITY. STEP 4 OF OP 0100 REQUIRES THAT THE REACTOR HIGH WATER LEVEL ISOLATION LOGIC FOR THE HPCI SYSTEM BE RESET PRIOR TO TAKING THE REACTOR CRITICAL. CONTRARY TO THE ABOVE, THE REACTOR WAS TAKEN CRITICAL AT 8:30 P.M. ON APRIL 16, 1984 WITHOUT RESETTING THE REACTOR HIGH WATER LEVEL ISOLATION LOGIC AS REQUIRED BY STEP 4 OF OP 0100 AND NO TEMPORARY CHANGE TO OP 0100 WAS PROCESSED IN ACCORDANCE WITH

1. Docket: 50-397 OPERATING STATUS
 2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
 3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486
 4. Licensed Thermal Power (MWt): 3323
 5. Nameplate Rating (Gross MWe): 1100
 6. Design Electrical Rating (Net MWe): 1100
 7. Maximum Dependable Capacity (Gross MWe): 1155
 8. Maximum Dependable Capacity (Net MWe): 1100
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>3,771.2</u>	<u>3,771.2</u>
13. Hours Reactor Critical	<u>480.6</u>	<u>2,150.9</u>	<u>2,150.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>409.9</u>	<u>1,594.2</u>	<u>1,594.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>787,680</u>	<u>2,672,992</u>	<u>2,672,992</u>
18. Gross Elec Ener (MWH)	<u>232,727</u>	<u>759,340</u>	<u>759,340</u>
19. Net Elec Ener (MWH)	<u>218,858</u>	<u>704,102</u>	<u>704,102</u>
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	<u>201.3</u>	<u>1,945.9</u>	<u>1,945.9</u>

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

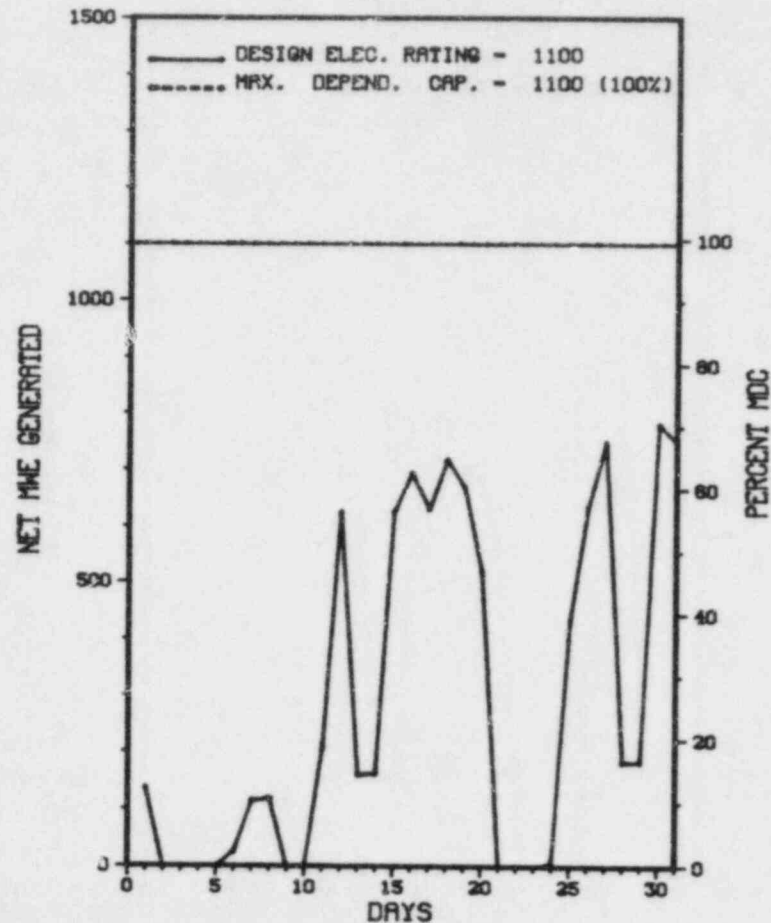
MAINTENANCE M2 OUTAGE 11/12/84 FOR 8 DAYS.

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



OCTOBER 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-21	10/01/84	S	132.5	B	1		HA	TURBIN	TEST TRIP OF TURBINE-GENERATOR AT 75% POWER AS PART OF POWER ASCENSION TEST PROGRAM. THE TURBINE BY PASS VALVES FAST OPENING RESPONSE TIME DID NOT MEET TEST CRITERIA. TESTING AND TROUBLE SHOOTING TO CORRECT PROBLEMS.
84-22	10/07/84	S	0.4	B	1		HE	VALVEX	TRIPPED TURBINE-GENERATOR AT 24% POWER FOR BYPASS VALVE (BPV) RESPONSE TIME TESTING. TEST DID NOT MEET CRITERIA. CONTINUED TESTING AND TROUBLE SHOOTING.
84-23	10/08/84	S	0.4	B	1		HE	VALVEX	TRIPPED TURBINE-GENERATOR AGAIN AT 24% POWER FOR BPV RESPONSE TIME TESTING. TEST DID NOT MEET CRITERIA. CONTINUED TESTING AND TROUBLE SHOOTING.
84-24	10/08/84	F	53.3	B	1		HE	VALVEX	PLANT SHUTDOWN DUE TO FAILURE TO MEET TEST CRITERIA. CONTINUED TESTING AND TROUBLE SHOOTING TO CORRECT PROBLEMS.
84-25	10/11/84	S	0.2	B	1		HE	VALVEX	TRIPPED TURBINE-GENERATOR AT 24% POWER FOR ANOTHER TEST OF BPV RESPONSE TIME. TEST FAILED TO MEET TEST CRITERIA. RESUMED TESTING AND TROUBLE SHOOTING.
84-26	10/11/84	S	0.3	B	1		HE	VALVEX	TRIPPED TURBINE-GENERATOR AT 24% POWER FOR ANOTHER BPV RESPONSE TIME TEST. RESPONSE TIME WAS SATISFACTORY AND TURBINE-GENERATOR WAS RETURNED TO SERVICE.
84-27	10/13/84	F	20.3	A	2	84-109	HA	INSTRU	PLANT SHUTDOWN DUE TO CYCLING OF TURBINE GOVERNOR AND BY-PASS VALVES. IT WAS DETERMINED AFTER SHUTDOWN THAT CYCLING WAS CAUSED BY RADIO FREQUENCY INTERFERENCE DUE TO KEYING OF HAND HELD RADIO TRANSMITTERS IN THE VICINITY OF ELECTROSYN PRESSURE TRANSMITTERS.
84-28	10/20/84	F	95.2	A	3	84-112	HB	INSTRU	REACTOR SCRAMMED ON LOW STEAM PRESSURE DUE TO AN ERRONEOUS SETPOINT BEING INITIATED WHILE MAKING A PRESSURE CHANGE. A PLANT MODIFICATION (PMR) HAS BEEN INITIATED TO IMPROVE VISIBILITY OF SETPOINTS DISPLAYS.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-29	10/28/84	F	32.5	A	3		HH	VALVEX	REACTOR SCRAMMED FROM 92% POWER ON LOW LEVEL DUE TO LOSS OF CONDENSATE BOOSTER PUMPS FROM LOW SUCTION PRESSURE. LOW SUCTION PRESSURE WAS CAUSED BY THE STEAM SEAL CONDENSER BY PASS VALVE FAILING CLOSED WHILE TROUBLE SHOOTING VALVE PROBLEMS. THE VALVE WAS REPAIRED AND PLANT RETURNED TO SERVICE.

 * SUMMARY *

 WNP-2 CONTINUES IN POWER ASCENSION AND TESTING.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

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* WASHINGTON NUCLEAR 2 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON
COUNTY.....BENTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI. NW OF
RICHLAND, WASH.
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 19, 1984
DATE ELEC ENER 1ST GENER...MAY 27, 1984
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MECHANICAL TOWERS
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. TOTH
LICENSING PROJ MANAGER....R. AULUCK
DOCKET NUMBER.....50-397
LICENSE & DATE ISSUANCE...NPF-21, APRIL 13, 1984
PUBLIC DOCUMENT ROOM.....RICHLAND PUBLIC LIBRARY
SWIFT AND NORTHGATE STREETS
RICHLAND, WA 99352

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

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 10-13, 1984 (REPORT NO. 50-397/84-25) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON SEPTEMBER 1-30, 1984 (REPORT NO. 50-397/84-26) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, POWER ASCENSION TEST PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 269 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + REPORT NO. 50-397/84-27 REPORT CANCELLED.
- + INSPECTION ON OCTOBER 9-12 AND OCTOBER 22 AND 23, 1984 (REPORT NO. 50-397/84-28) AREAS INSPECTED: ROUTINE ANNOUNCED STARTUP INSPECTION TO EXAMINE IMPLEMENTATION OF TMI ACTION ITEMS II.B.3 (PASS) AND II.F.1-2 (EFFLUENTS) AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON SEPTEMBER 10-14 AND OCTOBER 1-5, 1984 (REPORT NO. 50-397/84-29) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF HOUSEKEEPING, FIRE PROTECTION, AND POWER ASCENSION TEST RESULTS REVIEW. THE INSPECTION INVOLVED 120 INSPECTOR-HOURS

INSPECTION SUMMARY

ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 20-21, OCTOBER 1-4, 1984 (REPORT NO. 50-397/84-30) AREAS INSPECTED: INSPECTION CONSISTED OF A REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES AND PRACTICES, AND THEIR ASSOCIATED QUALITY ASSURANCE PROGRAMS. IT INCLUDED SPLIT SAMPLE RADIOACTIVITY MEASUREMENT VERIFICATION INVOLVING THE REGION V MOBILE LABORATORY.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 1-31, 1984 (REPORT NO. 50-397/84-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 1-5, 1984 (REPORT NO. 50-397/84-32) REPORT CANCELLED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ 100% POWER, COMPLETING POWER ASCENSION TESTING AND HEADING FOR THE WARRANTY RUN LAST OF NOVEMBER, 1984.

LAST IE SITE INSPECTION DATE: 10/01-31/84+

INSPECTION REPORT NO: 50-397/84-31+

Report Period OCT 1984

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

* WASHINGTON NUCLEAR *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
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NONE

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1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (Mwt): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any:
NONE

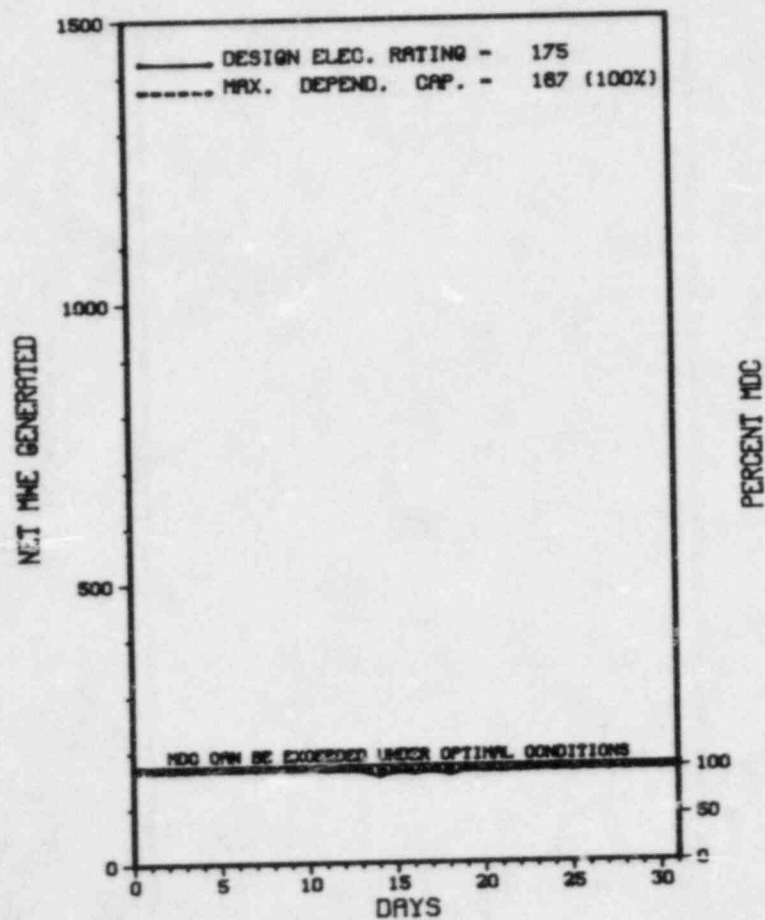
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>210,021.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>5,004.4</u>	<u>166,528.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,894.5</u>	<u>161,806.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>444,379</u>	<u>2,812,112</u>	<u>87,695,706</u>
18. Gross Elec Ener (MWH)	<u>131,838</u>	<u>854,561</u>	<u>26,577,427</u>
19. Net Elec Ener (MWH)	<u>123,491</u>	<u>800,062</u>	<u>24,868,451</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.9</u>	<u>77.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.9</u>	<u>77.0</u>
22. Unit Cap Factor (MDC Net)	<u>99.3</u>	<u>65.4</u>	<u>72.9*</u>
23. Unit Cap Factor (DER Net)	<u>94.7</u>	<u>62.5</u>	<u>69.5*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.3</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>753.0</u>	<u>8,239.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
YANKEE-ROWE 1



OCTOBER 1984

* Item calculated with a Weighted Average

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

XX
* YANKEE-ROWE 1 *
XX

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

NONE

XXXXXXXXXXXX YANKEE ROWE OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.
* SUMMARY *
XXXXXXXXXXXX

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

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 19, 1960
DATE ELEC ENER 1ST GENER...NOVEMBER 10, 1960
DATE COMMERCIAL OPERATE....JULY 1, 1961
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....DEERFIELD RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....YANKEE ATOMIC ELECTRIC
CORPORATE ADDRESS.....1671 WORCESTER RD.
FRAMINGHAM, MASSACHUSETTS 01701

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....H. EICHENHOLZ
LICENSING PROJ MANAGER.....P. ERICKSON
DOCKET NUMBER.....50-029
LICENSE & DATE ISSUANCE....DPR-3, DECEMBER 24, 1963
PUBLIC DOCUMENT ROOM.....GREENFIELD COMMUNITY COLLEGE
1 COLLEGE DRIVE
GREENFIELD, MASSACHUSETTS 01301

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-295 OPERATING STATUS

2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>94,992.0</u>
13. Hours Reactor Critical	<u>639.3</u>	<u>4,906.2</u>	<u>66,982.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>622.8</u>	<u>4,653.9</u>	<u>65,122.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,864,379</u>	<u>14,056,438</u>	<u>183,977,921</u>
18. Gross Elec Ener (MWH)	<u>602,437</u>	<u>4,586,281</u>	<u>59,306,160</u>
19. Net Elec Ener (MWH)	<u>576,315</u>	<u>4,381,029</u>	<u>56,284,334</u>
20. Unit Service Factor	<u>83.6</u>	<u>63.6</u>	<u>68.6</u>
21. Unit Avail Factor	<u>83.6</u>	<u>63.6</u>	<u>68.6</u>
22. Unit Cap Factor (MDC Net)	<u>74.4</u>	<u>57.5</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>74.4</u>	<u>57.5</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>16.4</u>	<u>32.0</u>	<u>14.9</u>
25. Forced Outage Hours	<u>122.2</u>	<u>2,193.6</u>	<u>10,805.6</u>

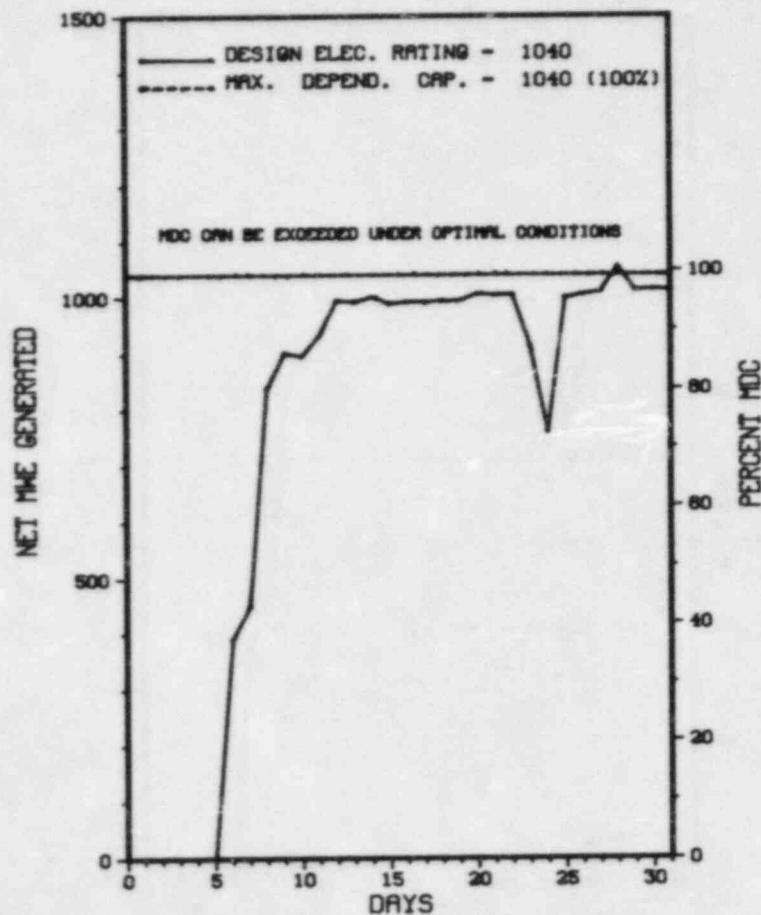
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: 01/24/85

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



OCTOBER 1984

Report Period OCT 1984

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
10	09/10/84	F	122.2	A	4	84-029		TURBINE WAS TAKEN OFF LINE DUE TO A TUBE LEAK IN 1B STEAM GENERATOR.
11	10/23/84	F	0.0	A	5			REDUCED POWER TO 50% DUE TO STEAM GENERATOR CATION CONDUCTIVITY INCREASED ABOVE LIMIT, CAUSED BY A MALFUNCTION IN THE MAKE-UP DEMINERALIZER SYSTEM.

 * SUMMARY *

 ZION 1 EXPERIENCED 1 SHUTDOWN IN OCTOBER FOR A STEAM GENERATOR TUBE LEAK.

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	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* ZION 1 *

FACILITY DATA

Report Period OCT 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE...DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE...DPR-39, OCTOBER 19, 1973
PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JULY 28 THROUGH AUGUST 31, (84-13): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF UNIT 2 SHUTDOWN DUE TO HIGH CONTAINMENT TEMPERATURES, UNIT 1 REACTOR COOLANT LEAK AT THE IN CORE NEUTRON DETECTOR SEAL TABLE, FAILURE TO MAKE A REQUIRED LICENSEE EVENT REPORT, OPERATIONAL SAFETY, ESF SYSTEM WALKDOWN, MAINTENANCE, SURVEILLANCE AND LICENSEE EVENT REPORT FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 259 HOURS BY THREE NRC INSPECTORS INCLUDING 89 HOURS ONSITE DURING OFF-SHIFTS. OF EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS, AND TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO MAKE A REQUIRED LICENSEE EVENT REPORT (PARAGRAPH 5) AND FAILURE TO COMPLY WITH APPROVED WRITTEN PROCEDURES (PARAGRAPH 6)).

INSPECTION ON AUGUST 21-23, 29-31, AND SEPTEMBER 5-6, (84-15): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION AND RADWASTE MANAGEMENT PROGRAMS, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; INTERNAL AND EXTERNAL EXPOSURE CONTROL; TRAINING; RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL; TRANSPORTATION ACTIVITIES; SOLID, LIQUID, AND GASEOUS RADIOACTIVE WASTE; OPEN ITEMS; AND CERTAIN IE INFORMATION NOTICES. THE INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 1-28, (84-17): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 1 SHUTDOWN DUE TO STEAM GENERATOR TUBE LEAKAGE, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 93 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCLUDING 35 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE 6 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

* ZION 1 *

Report Period OCT 1984 INSPECTION STATUS - (CONTINUED)

INSPECTION SUMMARY

MEETING ON SEPTEMBER 7, 1984 (84-18): THIS WAS A MEETING IN A CONTINUING SERIES OF MANAGEMENT MEETINGS AIMED AT IMPROVING LICENSEE REGULATORY PERFORMANCE AND ENHANCING TWO-WAY COMMUNICATIONS BETWEEN THE USNRC AND COMMONWEALTH EDISON COMPANY. THIS MEETING PROVIDED AN UPDATE OF ACTIONS INITIATED BY USNRC AND COMMONWEALTH EDISON COMPANY AS A RESULT OF PAST MEETINGS AND INVOLVED DISCUSSION DOWN TO THE PLANT SUPERINTENDENT LEVEL REGARDING THE EFFECTIVENESS OF THE PROGRAM, PARTICULARLY IN THE AREAS OF WORKER PERCEPTIONS AND INDIVIDUAL PLANT OVERALL IMPROVEMENTS. NO NONCOMPLIANCES RESULTED FROM THE MEETING.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO...11. FIRE PROTECTION PROGRAM IMPLEMENTATION." ZAP-02A, "FIRE PROTECTION SURVEILLANCE PROCEDURES," REQUIRE THAT NO COMBUSTIBLE MATERIALS BE STORED IN THE AUXILIARY BUILDING IN OTHER THAN APPROVED AREAS. CONTRARY TO THE ABOVE, ON AUGUST 23, 1984, SEVERAL SPRAY CANS OF COMBUSTIBLE AND FLAMMABLE MATERIAL WERE FOUND IN VARIOUS UNAPPROVED LOCATIONS IN THE AUXILIARY BUILDING. THIS IS A REPEAT ITEM OF NONCOMPLIANCE (SEE INSPECTION REPORTS 50-295/83-26; 50-304/83-27). TECHNICAL SPECIFICATION SECTION 6.2.A STATES THAT "DETAILED WRITTEN PROCEDURES INCLUDING APPLICABLE CHECKOFF LISTS COVERING ITEMS BELOW SHALL BE PREPARED, APPROVED AND ADHERED TO...11. FIRE PROTECTION PROGRAM IMPLEMENTATION." ZAP-02A, "FIRE PROTECTION SURVEILLANCE PROCEDURES," REQUIRE THAT NO COMBUSTIBLE MATERIALS BE STORED IN THE AUXILIARY BUILDING IN OTHER THAN APPROVED AREAS. CONTRARY TO THE ABOVE, ON AUGUST 23, 1984, SEVERAL SPRAY CANS OF COMBUSTIBLE AND FLAMMABLE MATERIAL WERE FOUND IN VARIOUS UNAPPROVED LOCATIONS IN THE AUXILIARY BUILDING. THIS IS A REPEAT ITEM OF NONCOMPLIANCE (SEE INSPECTION REPORTS 50-295/83-26; 50-304/83-27). 10 CFR 50.73(A) STATES, "(1) THE HOLDER OF AN OPERATING LICENSE FOR A NUCLEAR POWER PLANT (LICENSEE) SHALL SUBMIT A LICENSEE EVENT REPORT (LER) FOR ANY EVENT OF THE TYPE DESCRIBED IN THIS PARAGRAPH WITHIN 30 DAYS AFTER THE DISCOVERY OF THE EVENT... (2) THE LICENSEE SHALL REPORT... (VII) ANY EVENT WHERE A SINGLE CAUSE OR CONDITION CAUSED... TWO INDEPENDENT TRAINS OR CHANNELS TO BECOME INOPERABLE IN A SINGLE SYSTEM DESIGNED TO... (A) SHUT DOWN TO REACTOR... CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO SUBMIT AN LER WITHIN 30 DAYS AFTER THE EVENT OF JUNE 19, 1984, WHEN REMOVAL OF FUSES IN THE POWER RANGE INSTRUMENT DRAWERS 2N43 AND 2N44 CAUSED A SIMULTANEOUS LOSS OF BOTH CHANNELS OF SOURCE RANGE NEUTRON DETECTION AND BOTH CHANNELS OF SOURCE RANGE HIGH NEUTRON FLUX REACTOR TRIP. (8413 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

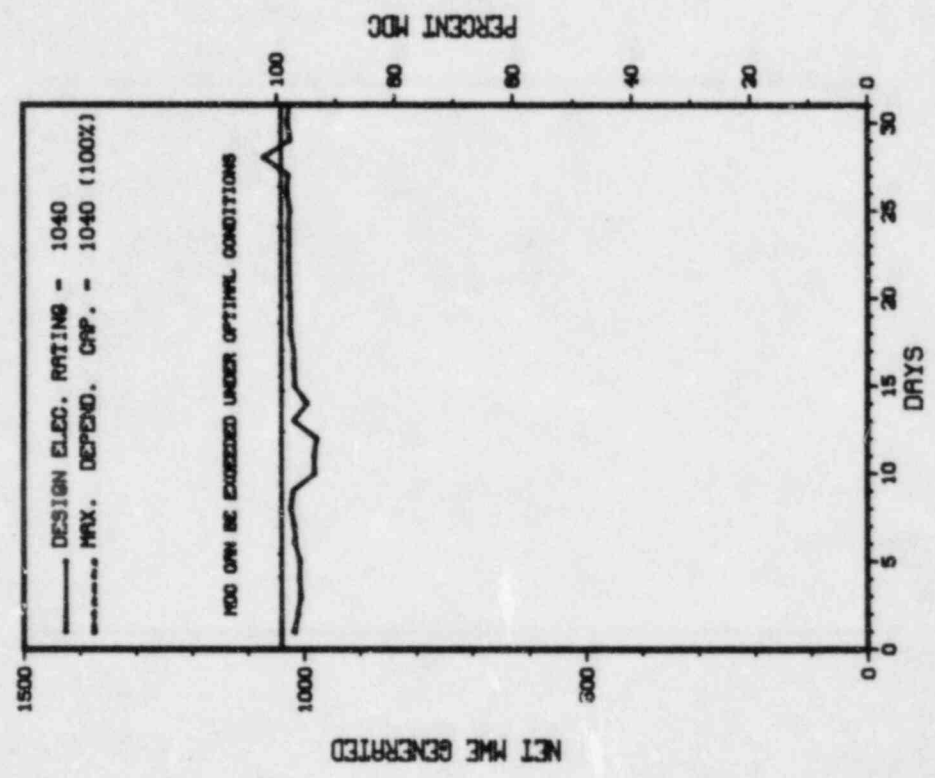
UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: OCTOBER 29 - NOVEMBER 30, 1984

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 ZION 2

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 ZION 2



OCTOBER 1984

1. Docket: 50-304 O P E R A T I N G S T A T U S
2. Reporting Period: 10/01/84 Outage + On-line Hrs: 745.0
3. Utility Contact: WERRI AUSTIN (312) 746-2084
4. Licensed Thermal Power (Mht): 3250
5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098
6. Design Electrical Rating (Net MWe): 1040
7. Maximum Dependable Capacity (Gross MWe): 1085
8. Maximum Dependable Capacity (Net MWe): 1040
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>745.0</u>	<u>7,320.0</u>	<u>88,705.0</u>
13. Hours Reactor Critical	<u>745.0</u>	<u>4,821.2</u>	<u>64,046.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>745.0</u>	<u>4,716.0</u>	<u>62,242.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>2,391.701</u>	<u>14,502.294</u>	<u>179,418.377</u>
18. Gross Elec Ener (MMH)	<u>786.629</u>	<u>4,730.492</u>	<u>57,434.529</u>
19. Net Elec Ener (MMH)	<u>756.665</u>	<u>4,515.429</u>	<u>54,592.374</u>
20. Unit Service Factor	<u>100.0</u>	<u>64.4</u>	<u>70.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>64.4</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>97.7</u>	<u>59.3</u>	<u>59.2</u>
23. Unit Cap Factor (DER Net)	<u>97.7</u>	<u>59.3</u>	<u>59.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.5</u>	<u>17.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>734.7</u>	<u>13,111.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

 * ZION 2 *

UNIT SHUTDOWNS / REDUCTIONS

Report Period OCT 1984

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

NONE

ZION 2 OPERATED ROUTINELY IN OCTOBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

 * SUMMARY *

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

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

* ZION 2 *

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM NEAREST POPULATION CTR...40 MI N OF CHICAGO, ILL

UTILITY LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P. O. BOX 767 CHICAGO, ILLINOIS 60690

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

TYPE OF REACTOR.....PWR

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

DATE INITIAL CRITICALITY...DECEMBER 24, 1973

CONSTRUCTOR.....COMMONWEALTH EDISON

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

TURBINE SUPPLIER.....NONE

DATE COMMERCIAL OPERATE....SEPTEMBER 17, 1974

REGULATORY INFORMATION

CONDENSER COOLING METHOD...ONCE THRU

IE REGION RESPONSIBLE.....III

CONDENSER COOLING WATER....LAKE MICHIGAN

IE RESIDENT INSPECTOR.....J. WATERS

ELECTRIC RELIABILITY

LICENSING PROJ MANAGER.....J. NORRIS

COUNCIL.....MID-AMERICA INTERPOOL NETWORK

DOCKET NUMBER.....50-304

LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973

PUBLIC DOCUMENT ROOM.....ZION - BENTON PUBLIC LIBRARY
2400 GABRIEL AVENUE
ZION, ILLINOIS 60099

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

INSPECTION SUMMARY

INSPECTION ON JULY 28 THROUGH AUGUST 31, (84-13): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF UNIT 2 SHUTDOWN DUE TO HIGH CONTAINMENT TEMPERATURES, UNIT 1 REACTOR COOLANT LEAK AT THE IN CORE NEUTRON DETECTOR SEAL TABLE, FAILURE TO MAKE A REQUIRED LICENSEE EVENT REPORT, OPERATIONAL SAFETY, ESF SYSTEM WALKDOWN, MAINTENANCE, SURVEILLANCE AND LICENSEE EVENT REPORT FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 259 HOURS BY THREE NRC INSPECTORS INCLUDING 89 HOURS ONSITE DURING OFF-SHIFTS. OF EIGHT AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN SIX AREAS, AND TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO MAKE A REQUIRED LICENSEE EVENT REPORT (PARAGRAPH 5) AND FAILURE TO COMPLY WITH APPROVED WRITTEN PROCEDURES (PARAGRAPH 6)).

INSPECTION ON AUGUST 21-23, 29-31, AND SEPTEMBER 5-6, (84-15): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION AND RADWASTE MANAGEMENT PROGRAMS, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS; INTERNAL AND EXTERNAL EXPOSURE CONTROL; TRAINING; RADIOACTIVE MATERIAL AND CONTAMINATION CONTROL; TRANSPORTATION ACTIVITIES; SOLID, LIQUID, AND GASEOUS RADIOACTIVE WASTE; OPEN ITEMS; AND CERTAIN IE INFORMATION NOTICES. THE INSPECTION INVOLVED 54 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 1-28, (84-18): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, UNIT 1 SHUTDOWN DUE TO STEAM GENERATOR TUBE LEAKAGE, OPERATIONAL SAFETY AND ESF WALKDOWN, MAINTENANCE, SURVEILLANCE, LER FOLLOWUP. THESE INSPECTIONS INVOLVED A TOTAL OF 93 INSPECTOR-HOURS BY THREE NRC INSPECTORS INCULCING 35 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE 6 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period OCT 1984

REPORTS FROM LICENSEE

* ZION 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-18	07/08/84	08/07/84	REACTOR TRIP
84-19	07/01/84	08/15/84	PRESSURIZER PRESSURE CHANNEL FAILURES
84-21	06/19/84	09/04/84	LOSS OF SOURCE RANGE DETECTOR INDICATION WHILE IN CSD
84-22	08/09/84	08/31/84	ERROR IN SCHEDULING PT-1 SURVEILLANCE
84-23	08/16/84	09/13/84	FAILURE TO PERFORM REACTOR COOLANT SURVEILLANCE
84-24	08/21/84	09/20/84	FAILURE OF SAFEGUARDS TRAIN B TO RESET FROM TEST
84-25	09/05/84	09/26/84	LOAD SWING IN VIOLATION OF CONFIRMATORY ORDER

SECTION 3

APPENDIX

 * PRESSURIZED*
 * WATER *
 * REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	ARKANSAS 1	177	988	375	613		N/S
ARKANSAS 2	177	988	168	820		05-85	2003
BEAVER VALLEY 1	157	833	104	729		N/S	1995
CALLAWAY 1							
CALVERT CLIFFS 1	217	1830(c)	868(c)	961(c)(m)	1098	03-85	1991
CALVERT CLIFFS 2	217					10-85	1991
COOK 1	193	2050(c)	553(c)	1497(c)		03-85	1994
COOK 2	193					N/S	
CRYSTAL RIVER 3	177	1163	171	992		03-85	1997
DAVIS-BESSE 1	177	735	199	536		N/S	1993
DIABLO CANYON 1							
FARLEY 1	157	675	114	561	1293	N/S	1991
FARLEY 2	157	675	62	613	1345	01-85	1994
FORT CALHOUN 1	133	729	305	424		10-85	1996
GINNA	121	595	340	255		03-85	1992
HADDAM NECK	157	1168	545	623		N/S	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	482	332	150	916	N/S	1986
INDIAN POINT 3	193	837	140	697		N/S	1993
KEWAUNEE	121	990	268	722(m)		02-85	1991
MAINE YANKEE	217	953	577	376	1678	N/S	1987
MCGUIRE 1	193	500	91	409(n)	1781	03-85	1990
MCGUIRE 2						01-85	
MILLSTONE 2	217	667	376	291		02-85	1987
NORTH ANNA 1	157	966(c)	220(c)	746		N/S	1991
NORTH ANNA 2	157					N/S	1990
OCONEE 1	177	1312(l)	1096	216(l)(n)		N/S	1991
OCONEE 2	177					03-85	
OCONEE 3	177	825	104	721		09-85	
PALISADES	204	784	480	304		N/S	1988
POINT BEACH 1	121	1058(c)	524(c)	1038(c)		04-85	1995
POINT BEACH 2	121					N/S	
PRAIRIE ISLAND 1	121	1017(c)	601(c)	416(c)(m)	720	01-85	1988
PRAIRIE ISLAND 2	121					08-85	
RANCHO SECO 1	177	579	280	299		03-85	1987
ROBINSON 2	157	276	152	124(a)	431	N/S	1985(g)
SALEM 1	193	1170	212	958		N/S	1996
SALEM 2	193	1170	72	1098		N/S	2000
SAN ONOFRE 1	157	216	94	122		N/S	1985
SAN ONOFRE 2	217	800	72	728		N/S	
SAN ONOFRE 3	217	800	0	800		N/S	
SEQUOYAH 1	193	800	65	735		N/S	1993
SEQUOYAH 2(d)	193	800	130	670		N/S	1994
ST LUCIE 1	217	728	352	376		N/S	1990
ST LUCIE 2						N/S	
SUMMER 1	157	682	52	630	1276	N/S	
SURRY 1	157	1044(c)	608(c)	432(c)		N/S	1987

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

FACILITY	(a)		NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	(b)	
	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)					WILL FILL PRESENT AUTH. CAPACITY	
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	312	339			N/S	1990
TURKEY POINT 3	157	621	445	175(m)		03-85	N/S	1987
TURKEY POINT 4	157	621	430	191			N/S	1988
YANKEE-ROWE 1	76	391	250	141	471		N/S	1988
ZION 1	193	2112(c)	863(c)	1249(c)		01-85	N/S	1995
ZION 2	193					09-85	N/S	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
- (b) Some of these dates have been adjusted by staff assumptions.
- (c) This is the total for both units.
- (d) Plant not in commercial operation.
- (e) Some spent fuel stored at Brunswick.
- (f) Authorized a total 2772 BWR and 1232 PWR assemblies 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

* BOILING *
* WATER *
* REACTORS *

STATUS OF SPENT FUEL STORAGE CAPABILITY

FACILITY *****	(a)	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)
	CORE SIZE (NO. OF ASSEMBLIES) *****				*****		*****
BIG ROCK POINT 1	84	193	172	21	269	N/S	1986
BROWNS FERRY 1	764	3471	1068	2403		03-85	1985
BROWNS FERRY 2	764	3471	889	1170(m)	2582	N/S	1985
BROWNS FERRY 3	764	3471	1768	150(m)	1703	N/S	1985
BRUNSWICK 1	560	(f)	160PHR+656BWR	2116		N/S	1986
BRUNSWICK 2	560		144PHR+564BWR	2208		N/S	1986
COOPER STATION	548	2366	985	1381		N/S	1996
DRESDEN 1	464	672	221	451		N/S	1990
DRESDEN 2	724	2659(c)	2014 (c)	996(c)	6129(c)	N/S	1985
DRESDEN 3	724					N/S	
DUANE ARNOLD	368	2050	576	1474		02-85	1998
FITZPATRICK	560	2244	816	1428		01-85	1991
GRAND GULF 1						N/S	1999
HATCH 1	560	3021	140	2881		N/S	1999
HATCH 2	560	2750	1284	1466		N/S	1999
HUMBOLDT BAY	172	487	251	236		N/S	
LA CROSSE	72	440	207	233		03-85	1990
LASALLE 1							
LASALLE 2						N/S	1991
MILLSTONE 1	580	2184	1281	903		02-85	1991
MONTICELLO	484	2237	1137	1100		03-86	1996
NINE MILE POINT 1	532	2776	1244	1532	1788	N/S	1987
OYSTER CREEK 1	560	1800	1375	425	1225	N/S	1987
PEACH BOTTOM 2	764	2816	1361	1455		N/S	1990

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS * (a)

FACILITY *****	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		NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
					APPROVED (NO. OF ASSEMBLIES) *****	SCHED. DATE *****		
PEACH BOTTOM 3	764	2816	1212	1604		N/S	1991	
PILGRIM 1	580	2320	1708	62(m)		N/S	1990	
QUAD CITIES 1	724	3657	1730	1927		N/S	2003	
QUAD CITIES 2	724	3897	412	3485		N/S	2003	
SUSQUEHANNA 1	764	2840	0	2840		02-85	1997	
SUSQUEHANNA 2								
VERMONT YANKEE 1	368	2000	1174	826		N/S	1992	
WASHINGTON NUCLEAR*								

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
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- (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	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT	YEARS	1ST ELEC GENERATE	UNIT
* LICENSED *	10.25	08/01/74	ARKANSAS 1	5.85	12/26/78	ARKANSAS 2	8.38	06/14/76	BEAVER VALLEY 1		
* OPERATING *	21.90	12/08/62	BIG ROCK POINT 1	11.05	10/15/73	BROWNS FERRY 1	10.18	08/28/74	BROWNS FERRY 2		
* ELECTRICAL *	8.14	09/12/76	BROWNS FERRY 3	7.91	12/04/76	BRUNSWICK 1	9.51	04/29/75	BRUNSWICK 2		
* PRODUCING *	.02	10/24/84	CALLAWAY 1	9.83	01/03/75	CALVERT CLIFFS 1	7.90	12/07/76	CALVERT CLIFFS 2		
* UNITS *	9.72	02/10/75	COOK 1	6.61	03/22/78	COOK 2	10.48	05/10/74	COOPER STATION		
*****	7.75	01/30/77	CRYSTAL RIVER 3	7.18	08/28/77	DAVIS-BESSE 1	14.55	04/13/70	DRESDEN 2		
	13.28	07/22/71	DRESDEN 3	10.46	05/19/74	DUANE ARNOLD	7.21	08/18/77	FARLEY 1		
	3.44	05/25/81	FARLEY 2	9.75	02/01/75	FITZPATRICK	11.19	08/25/73	FORT CALHOUN 1		
	7.89	12/11/76	FORT ST VRAIN	14.92	12/02/69	GINNA	.03	10/20/84	GRAND GULF 1		
	17.24	08/07/67	HADDAM NECK	9.97	11/11/74	HATCH 1	6.11	09/22/78	HATCH 2		
	11.35	06/26/73	INDIAN POINT 2	8.51	04/27/76	INDIAN POINT 3	10.57	04/08/74	KEWAUNEE		
	16.52	04/26/68	LA CROSSE	2.16	09/04/82	LASALLE 1	.53	04/20/84	LASALLE 2		
	11.98	11/08/72	MAINE YANKEE	3.34	06/30/81	MCGUIRE 1	1.45	05/23/83	MCGUIRE 2		
	13.92	11/29/70	MILLSTONE 1	8.98	11/09/75	MILLSTONE 2	13.66	03/05/71	MONTICELLO		
	14.98	11/09/69	NINE MILE POINT 1	6.54	04/17/78	NORTH ANNA 1	4.19	08/25/80	NORTH ANNA 2		
	11.49	05/06/73	OCONEE 1	10.91	12/05/73	OCONEE 2	10.17	09/01/74	OCONEE 3		
	15.11	09/23/69	OYSTER CREEK 1	12.84	12/31/71	PALISADES	10.70	02/18/74	PEACH BOTTOM 2		
	10.17	09/01/74	PEACH BOTTOM 3	12.29	07/19/72	PILGRIM 1	13.99	11/06/70	POINT BEACH 1		
	12.25	08/02/72	POINT BEACH 2	10.91	12/04/73	PRAIRIE ISLAND 1	9.86	12/21/74	PRAIRIE ISLAND 2		
	12.56	04/12/72	QUAD CITIES 1	12.44	05/23/72	QUAD CITIES 2	10.05	10/13/74	RANCHO SECO 1		
	14.10	09/26/70	ROBINSON 2	7.85	12/25/76	SALEM 1	3.41	06/03/81	SALEM 2		
	17.30	07/16/67	SAN ONOFRE 1	2.12	09/20/82	SAN ONOFRE 2	1.10	09/25/83	SAN ONOFRE 3		
	4.28	07/22/80	SEQUOYAH 1	2.86	12/23/81	SEQUOYAH 2	8.49	05/07/76	ST LUCIE 1		
	1.39	06/13/83	ST LUCIE 2	1.96	11/16/82	SUMMER 1	12.33	07/04/72	SURRY 1		
	11.65	03/10/73	SURRY 2	1.96	11/16/82	SUSQUEHANNA 1	.33	07/03/84	SUSQUEHANNA 2		
	10.37	06/19/74	THREE MILE ISLAND 1	8.86	12/23/75	TROJAN	12.00	11/02/72	TURKEY POINT 3		
	11.34	06/21/73	TURKEY POINT 4	12.11	09/20/72	VERMONT YANKEE 1	.43	05/27/84	WASHINGTON NUCLEAR 2		
	23.98	11/10/60	YANKEE-ROWE 1	11.35	06/28/73	ZION 1	10.85	12/26/73	ZION 2		
TOTAL 775.57 YRS											

*****				*****				
YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	
* PERMANENTLY *	3.80	08/14/64	06/01/68	BONUS	3.04	12/18/63	01/01/67	CVTR
* OR *	18.54	04/15/60	10/31/78	DRESDEN 1	4.44	08/24/63	02/01/68	ELK RIVER
* INDEFINITELY *	6.32	08/05/66	11/29/72	FERMI 1	1.26	05/29/63	09/01/64	HALLAM
* SHUTDOWN *	13.21	04/18/63	07/02/76	HUMBOLDT BAY	12.12	09/16/62	10/31/74	INDIAN POINT 1
* UNITS *	1.19	07/25/66	10/01/67	PATHFINDER	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
*****	2.16	11/04/63	01/01/66	PIQUA	.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 OF 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

 * RESEARCH *
 * REACTORS *

NON - POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE -	DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58	5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74	1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59	10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57	2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69	250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67	100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66	10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61	200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59	18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66	0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64	0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61	2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62	500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62	0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77	250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61	5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72	1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61	10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58	0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67	1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68	250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55	1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64	2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76	0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63	250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57	0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61	1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67	0.01

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE OL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
		UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG CHARLOTTESVILLE CHARLOTTESVILLE LYNCHBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
		UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
		UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
		BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN SEATTLE	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
		UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0

 * EXPERIMENTAL AND TEST REACTORS *

CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0

 * CRITICAL EXPERIMENT FACILITIES *

NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

BIBLIOGRAPHIC DATA SHEET

NUREG-0020 Volume 8 Number 11

2. Leave blank

3. TITLE AND SUBTITLE

Licensed Operating Reactors
Status Summary Report

4. RECIPIENT'S ACCESSION NUMBER

5. DATE REPORT COMPLETED

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6. AUTHOR(S)

7. DATE REPORT ISSUED

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Division of Budget and Analysis
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12a. TYPE OF REPORT

12b. PERIOD COVERED (Inclusive dates)

OCTOBER 1984

13. SUPPLEMENTARY NOTES

Status Summary Report

14. ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

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15b. DESCRIPTORS

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