

NUREG-0020
Vol. 8, No. 12
December 1984

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 11-30-84

UNITED STATES NUCLEAR REGULATORY COMMISSION



8502210264 850228
PDR NUREG
0020 R PDR

Available from

NRC/GPO Sales Program

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

A year's subscription consists of 12 issues for
this publication.

Single copies of this publication
are available from National Technical
Information Service, Springfield, VA 22161

Microfiche of single copies are
available from NRC/GPO Sales Program
Washington, D. C. 20555

**NUREG-0020
Vol. 8, No. 12
December 1984**

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 11-30-84

Manuscript Completed: January 1985
Date Published: February 1985

**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.

TABLE OF CONTENTS

	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" performance 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	2-202
ARKANSAS 2	2-006	NORTH ANNA 1	2-206
BEAVER VALLEY 1	2-010	NORTH ANNA 2	2-212
BIG ROCK POINT 1	2-014	OCONEE 1	2-216
BROWNS FERRY 1	2-018	OCONEE 2	2-220
BROWNS FERRY 2	2-024	OCONEE 3	2-224
BROWNS FERRY 3	2-030	OYSTER CREEK 1	2-228
BRUNSWICK 1	2-036	PALISADES	2-232
BRUNSWICK 2	2-042	PEACH BOTTOM 2	2-236
CALLAWAY 1	2-046	PEACH BOTTOM 3	2-240
CALVERT CLIFFS 1	2-052	PILGRIM 1	2-244
CALVERT CLIFFS 2	2-056	POINT BEACH 1	2-248
COOK 1	2-060	POINT BEACH 2	2-252
COOK 2	2-066	PRAIRIE ISLAND 1	2-256
COOPER STATION	2-072	PRAIRIE ISLAND 2	2-260
CRYSTAL RIVER 3	2-076	QUAD CITIES 1	2-264
DAVIS-BESSE 1	2-080	QUAD CITIES 2	2-268
DIABLO CANYON 1	2-086	RANCHO SECO 1	2-272
DRESDEN 2	2-090	ROBINSON 2	2-278
DRESDEN 3	2-096	SALEM 1	2-282
DUANE ARNOLD	2-102	SALEM 2	2-286
FARLEY 1	2-106	SAN ONOFRE 1	2-290
FARLEY 2	2-110	SAN ONOFRE 2	2-296
FITZPATRICK	2-114	SAN ONOFRE 3	2-302
FORT CALHOUN 1	2-118	SEQUOYAH 1	2-308
FORT ST VRAIN	2-122	SEQUOYAH 2	2-314
GINNA	2-126	ST LUCIE 1	2-320
GRAND GULF 1	2-130	ST LUCIE 2	2-326
HADDAM NECK	2-134	SUMMER 1	2-332
HATCH 1	2-138	SURRY 1	2-336
HATCH 2	2-142	SURRY 2	2-340
INDIAN POINT 2	2-146	SUSQUEHANNA 1	2-344
INDIAN POINT 3	2-152	SUSQUEHANNA 2	2-348
KEWAUNEE	2-156	THREE MILE ISLAND 1	2-352
LA CROSSE	2-160	TROJAN	2-356
LASALLE 1	2-164	TURKEY POINT 3	2-360
LASALLE 2	2-170	TURKEY POINT 4	2-366
MAINE YANKEE	2-174	VERMONT YANKEE 1	2-372
MCGUIRE 1	2-178	WASHINGTON NUCLEAR 2	2-376
MCGUIRE 2	2-184	YANKEE-ROWE 1	2-382
MILLSTONE 1	2-188	ZION 1	2-386
MILLSTONE 2	2-192	ZION 2	2-390
MONTICELLO	2-196		

SECTION 1

**CURRENT
DATA
SUMMARIES**

MONTHLY HIGHLIGHTS

***** 80 IN COMMERCIAL OPERATION 63,105 CAPACITY MWe (Net) --Based upon maximum dependable
 * LICENSED * (a) 5 IN POWER ASCENSION 5,619 capacity; design elec. rating
 * POWER * --- used if MDC not determined
 * REACTORS * (b) 85 LICENSED TO OPERATE 68,724 TOTAL
 ***** (c) 2 LICENSED FOR FUEL LOADING
 AND LOW POWER TESTING

	MDC NET		DER		DATE	DER
(a)	WASCO NUC. 2 . . .1100	(b) Excludes these plants	1. DRESDEN 1.....200	(c)	LIMERICK 1	.. 10/26/84 .. 1065
	SL3QUEHANNA 2 . . .1065	licensed for operation	2. HUMBOLDT BAY.....65		BYRON 1	.. 10/31/84 .. 1120
	GRAND GULF 1 . . .1250	which are shut down	3. TMI 2.....906			
	CALLAWAY 1 . . .1188	indefinitely				
	DIABLO CANYON 1 . . 1084					

		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
*****	1. GROSS ELECTRICAL (MWHE)	24,474,208	24,913,533	302,477,549
* POWER *	2. NET ELECTRICAL (MWHE)	23,292,030	23,559,957	287,503,048
* GENERATION *	3. AVG. UNIT SERVICE FACTOR (%)	56.9	55.5	62.4
*****	4. AVG. UNIT AVAILABILITY FACTOR (%)	56.9	55.5	62.4
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	52.8	51.7	57.7
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	51.4	50.5	56.3
	7. FORCED OUTAGE RATE (%)	15.2	11.1	10.9

			% OF POTENTIAL PRODUCTION
*****	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	23,292,030 NET	51.3
* ACTUAL VS. *	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	14,395,685 MWHe	31.7
* POTENTIAL *	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	5,841,573 MWHe	12.9
* ENERGY *	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	1,906,312 MWHe	4.2
* PRODUCTION *			
*****	POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION	45,435,600 MWHe	100.0% TOTAL
	(Using Maximum Dependable Capacity Net)		
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	1,057,033 MWHe	
	6. ENERGY NOT PRODUCED DUE TO NRC RESTRICTED POWER LEVELS. MWHe	0 UNIT(S) WITH NRC RESTRICTION

		NUMBER	HOURS	PERCENT OF CLOCK TIME	MWHE LOST PRODUCTION
*****	1. FORCED OUTAGES DURING REPORT PERIOD	66	7,656.2	13.3	5,841,573
* OUTAGE *	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	43	17,185.1	29.8	14,395,685
* DATA *					
*****	TOTAL	109	24,841.3	43.1	20,237,258

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

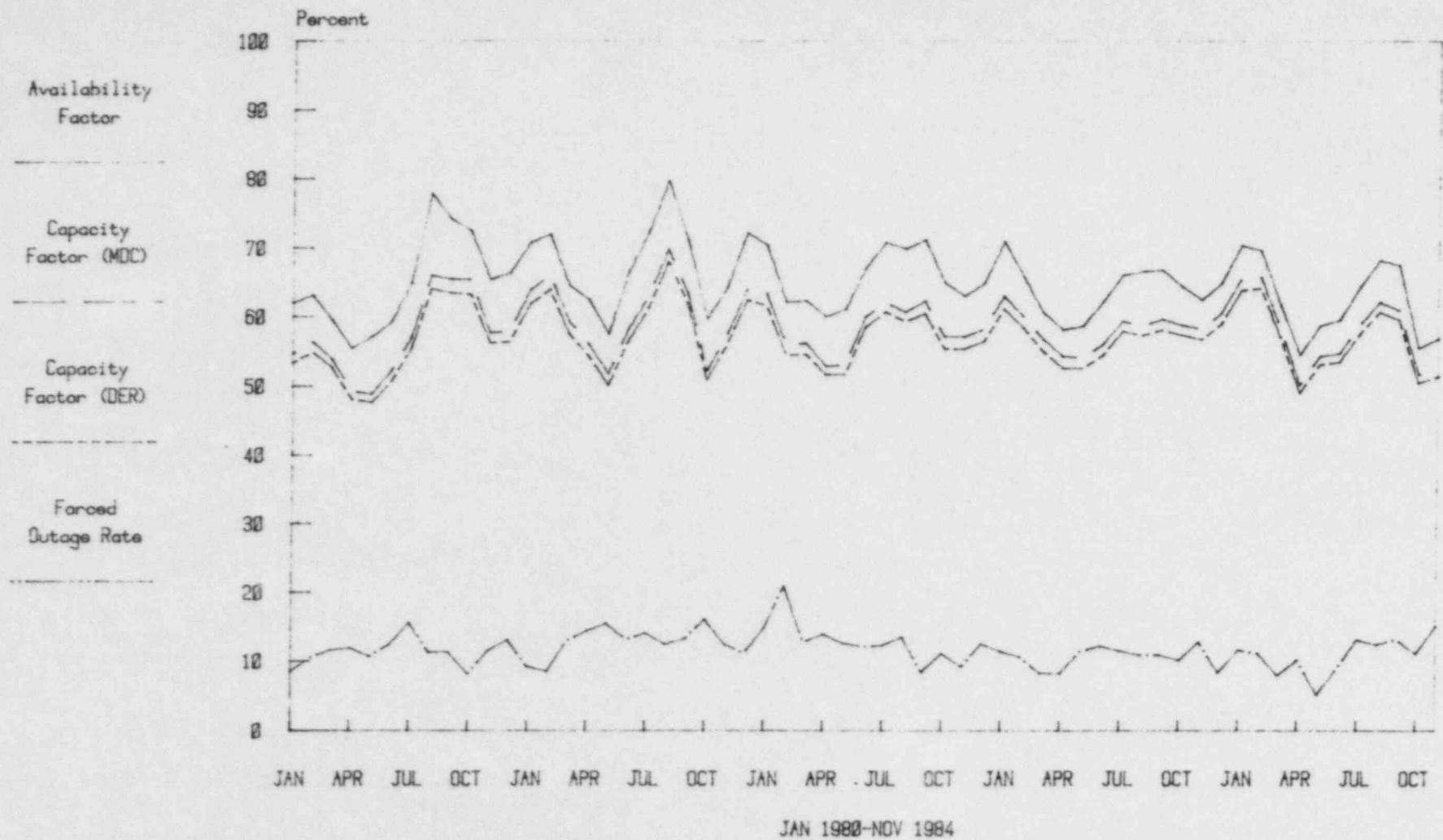
	NUMBER	HOURS LOST
***** * REASONS * * FOR * * SHUTDOWNS * *****	A - Equipment Failure	52 6,487.8
	B - Maintenance or Test	20 3,427.8
	C - Refueling	20 12,015.9
	D - Regulatory Restriction	2 1,187.9
	E - Operator Training & License Examination	0 0.0
	F - Administrative	2 183.5
	G - Operational Error	7 603.1
	H - Other	6 935.3
	TOTAL	109 24,841.3

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

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

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 11-30-84



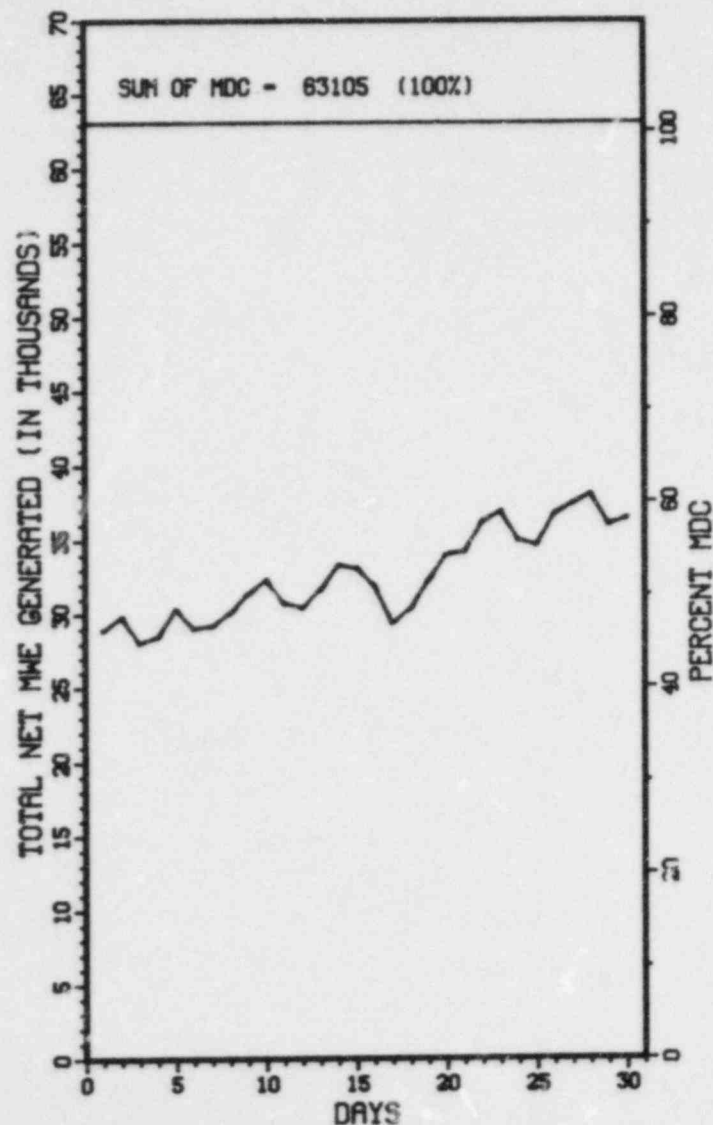
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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".

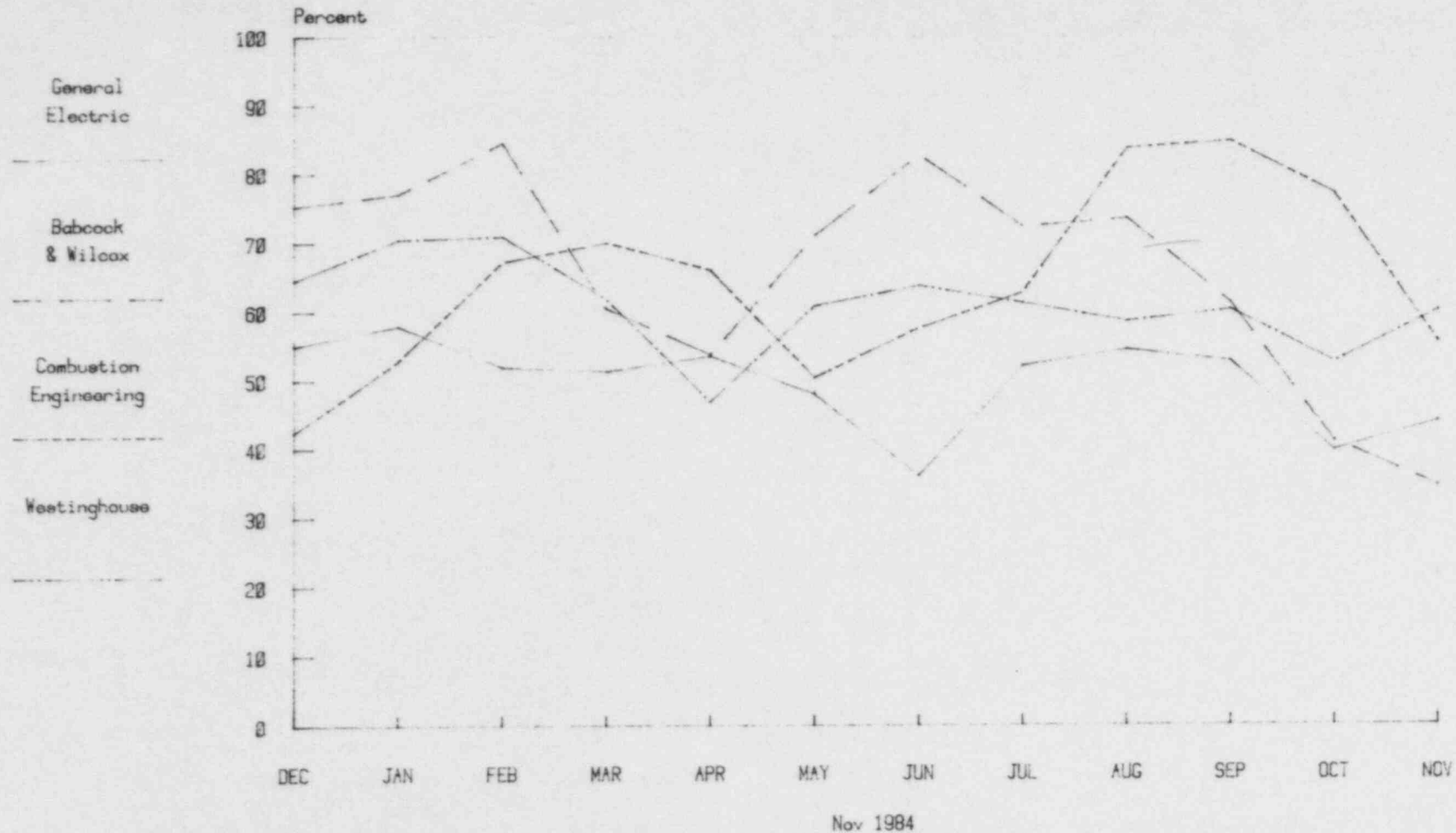
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



NOVEMBER 1984

Vendor Average Capacity Factors

As Of 11-30-84



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.

Report Period NOV 1984

PAGE 1-6

AVERAGE CAPACITY FACTORS BY VENDORS

***** * GENERAL * * ELECTRIC * *****	CFMDC 98.0 BROWNS FERRY 1 23.0 BRUNSWICK 2 32.8 DUANE ARNOLD 7.3 LASALLE 1 90.6 NINE MILE POINT 1 0.0 PILGRIM 1 102.1 VERMONT YANKEE 1	CFMDC 0.0 BROWNS FERRY 2 0.0 COOPER STATION 56.4 FITZPATRICK 81.4 LASALLE 2 7.8 OYSTER CREEK 1 95.6 QUAD CITIES 1	CFMDC 0.0 BROWNS FERRY 3 0.0 DRESDEN 2 0.0 HATCH 1 98.8 MILLSTONE 1 0.0 PEACH BOTTOM 2 97.5 QUAD CITIES 2	CFMDC 0.0 BRUNSWICK 1 88.9 DRESDEN 3 91.7 HATCH 2 0.0 MONTICELLO 48.8 PEACH BOTTOM 3 98.7 SUSQUEHANNA 1
***** * BABCOCK & * * WILCOX * *****	CFMDC 0.0 ARKANSAS 1 96.5 OCONEE 2	CFMDC 74.7 CRYSTAL RIVER 3 51.7 OCONEE 3	CFMDC 0.0 DAVIS-BESSE 1 52.0 RANCHO SECO 1	CFMDC 0.0 OCONEE 1 0.0 THREE MILE ISLAND 1
***** * COMBUSTION * * ENGINEERING * *****	CFMDC 95.8 ARKANSAS 2 79.3 MAINE YANKEE 0.0 SAN ONOFRE 3	CFMDC 82.7 CALVERT CLIFFS 1 78.5 MILLSTONE 2 103.7 ST LUCIE 1	CFMDC 101.5 CALVERT CLIFFS 2 32.2 PALISADES 6.0 ST LUCIE 2	CFMDC 59.5 FORT CALHOUN 1 0.0 SAN ONOFRE 2
***** * WESTINGHOUSE * *****	CFMDC 0.0 BEAVER VALLEY 1 102.7 FARLEY 2 3.7 INDIAN POINT 3 77.1 NORTH ANNA 1 78.2 PRAIRIE ISLAND 1 0.0 SALEM 2 0.0 SUMMER 1 102.1 TURKEY POINT 3 98.0 ZION 2	CFMDC 93.3 COOK 1 101.3 GINNA 103.6 KEWAUNEE 68.1 NORTH ANNA 2 104.8 PRAIRIE ISLAND 2 0.3 SAN ONOFRE 1 0.0 SURRY 1 63.7 TURKEY POINT 4	CFMDC 86.0 COOK 2 44.4 HADDAM NECK 60.3 MCGUIRE 1 102.7 POINT BEACH 1 0.0 ROBINSON 2 97.3 SEQUOYAH 1 31.9 SURRY 2 81.6 YANKEE-ROWE 1	CFMDC 102.2 FARLEY 1 95.3 INDIAN POINT 2 71.6 MCGUIRE 2 22.6 POINT BEACH 2 33.7 SALEM 1 0.0 SEQUOYAH 2 98.1 TROJAN 97.1 ZION 1

* OTHER INFO *

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

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

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

	GE BWRs	West PWRs	Comb PWRs	B&W PWRs	ALL PWRs
NET ELECTRICAL PRODUCTION.....	6,395,729	11,538,478	3,604,293	1,678,598	16,821,369
MDC NET.....	20,220	26,656	9,022	6,760	42,438
CFMDC.....	43.9	60.1	55.5	34.5	55.1

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

THE FOLLOWING ARE THE REVISED POWER GENERATION STATISTICS FOUND ON PAGE 1-2
FOR VOL. 8, NO. 11 -- REPORT PERIOD: OCTOBER 1984

	REPORT MONTH
1. GROSS ELECTRICAL (MWHE)	24,913,533
2. NET ELECTRICAL (MWHE).	23,559,957
3. AVG. UNIT SERVICE FACTOR (%)	55.5
4. AVG. UNIT AVAILABILITY FACTOR (%)	55.5
5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	51.7
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	50.5
7. FORCED OUTAGE RATE (%)	11.1

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MMt): 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

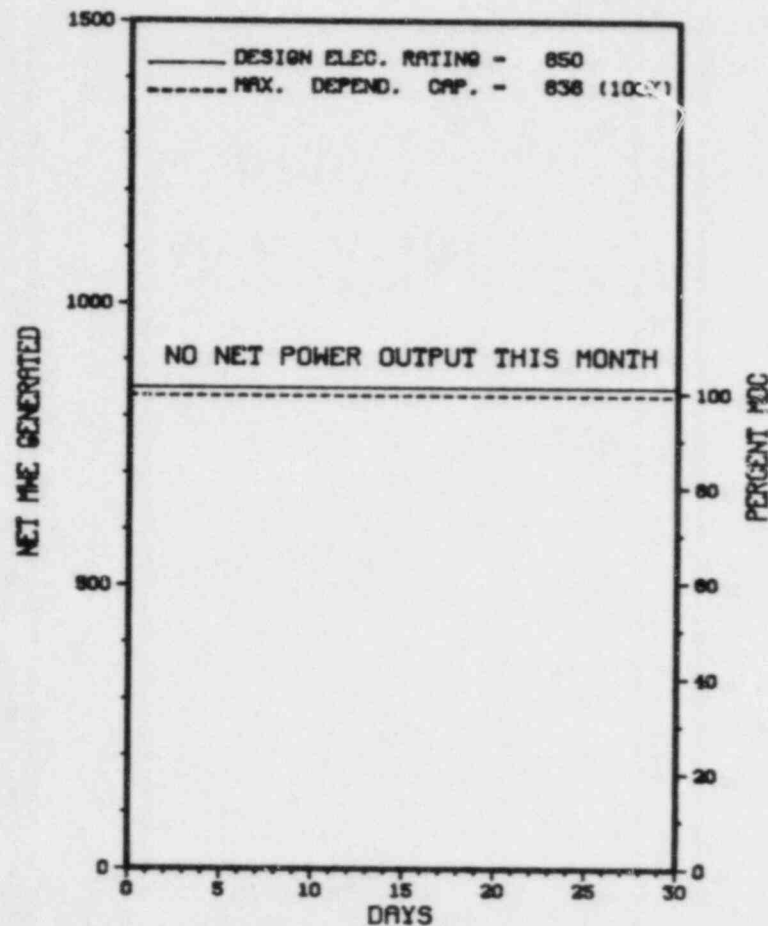
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>87,235.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,222.4</u>	<u>58,657.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,153.3</u>	<u>57,403.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MMH)	<u>0</u>	<u>14,432,514</u>	<u>136,352,811</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>4,823,906</u>	<u>44,962,271</u>
19. Net Elec Ener (MMH)	<u>0</u>	<u>4,604,135</u>	<u>42,862,522</u>
20. Unit Service Factor	<u>.0</u>	<u>76.5</u>	<u>65.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>76.5</u>	<u>66.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>68.5</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>67.4</u>	<u>57.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.2</u>	<u>15.2</u>
25. Forced Outage Hours	<u>.0</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



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-05	10/12/84	S	720.0	C	4			1R6 REFUELING OUTAGE CONTINUES.

* SUMMARY *

ARKANSAS 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

* ARKANSAS 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS
COUNTY.....POPE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI WNW OF
RUSSELLVILLE, AR
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 6, 1974
DATE ELEC ENER 1ST GENER...AUGUST 17, 1974
DATE COMMERCIAL OPERATE...DECEMBER 19, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARKANSAS POWER & LIGHT
CORPORATE ADDRESS.....NINTH & LOUISIANA STREETS
LITTLE ROCK, ARKANSAS 72203
CONTRACTOR
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

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2815

5. Nameplate Rating (Gross MWe): 943

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

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

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

11. Reasons for Restrictions, If Any: _____
NONE

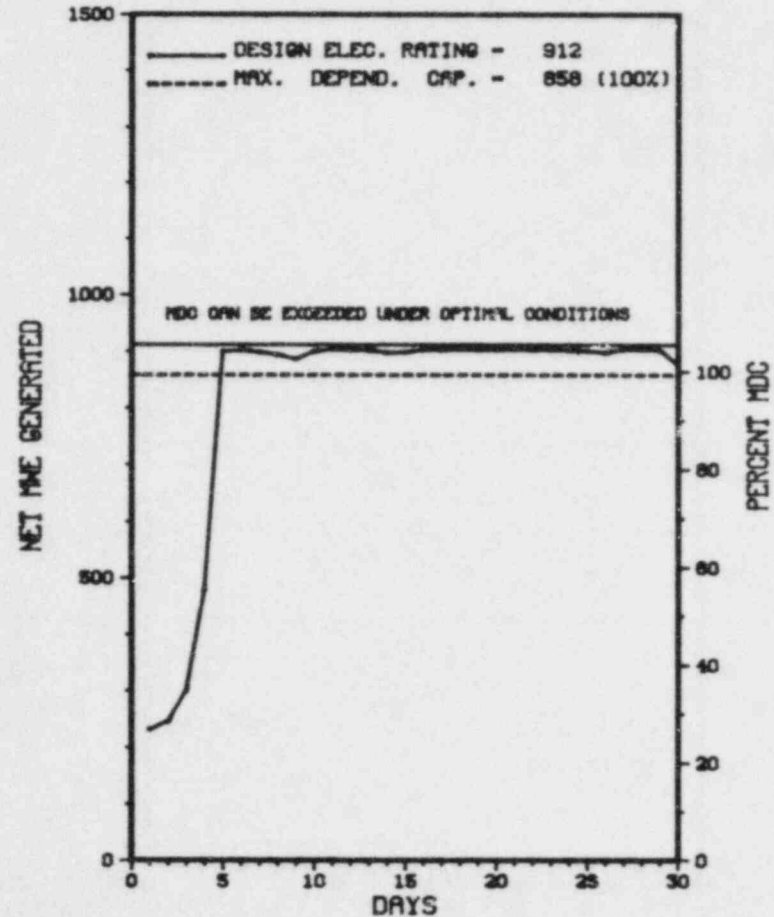
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>41,064.0</u>
13. Hours Reactor Critical	<u>709.1</u>	<u>6,887.9</u>	<u>28,560.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>706.1</u>	<u>6,698.9</u>	<u>27,649.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,852,421</u>	<u>17,417,158</u>	<u>69,966,698</u>
18. Gross Elec Ener (MWH)	<u>620,010</u>	<u>5,801,340</u>	<u>22,818,291</u>
19. Net Elec Ener (MWH)	<u>591,822</u>	<u>5,535,428</u>	<u>21,741,768</u>
20. Unit Service Factor	<u>98.1</u>	<u>83.3</u>	<u>67.3</u>
21. Unit Avail Factor	<u>98.1</u>	<u>83.3</u>	<u>67.5</u>
22. Unit Cap Factor (MDC Net)	<u>95.8</u>	<u>80.2</u>	<u>61.7</u>
23. Unit Cap Factor (DER Net)	<u>90.1</u>	<u>75.5</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>1.9</u>	<u>8.1</u>	<u>17.8</u>
25. Forced Outage Hours	<u>13.9</u>	<u>589.9</u>	<u>5,968.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING AND MAINTENANCE: APRIL, 1985.

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

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8411	11/03/84	F	13.9	A	3	84-28-00	TG	0003	THE UNIT TRIPPED ON LOW S/G LEVEL WHEN STOP VALVES 1, 3 AND 4 BEGAN TO CLOSE DURING THE TURBINE STOP VALVE TESTS. IT IS SUSPECTED THAT A RELAY WHICH IS USED FOR THE TEST FAILED TO FUNCTION PROPERLY.

* SUMMARY *

ARKANSAS 2 OPERATED WITH 1 OUTAGE DUE TO EQUIPMENT 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)

* ARKANSAS 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ARKANSAS
COUNTY.....POPE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI WNW OF
RUSSELLVILLE, AR
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 5, 1978
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1978
DATE COMMERCIAL OPERATE...MARCH 26, 1980
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...DARDANELLE RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

CONTRARY TO TECHNICAL SPECIFICATION REQUIREMENTS, THE LICENSEE FAILED TO FOLLOW A SPECIAL MAINTENANCE PROCEDURE FOR THE REACTOR TRIP BREAKERS. THE LICENSEE FAILED TO MAINTAIN A WRITTEN SAFETY EVALUATION PROVIDING THE BASES FOR THE DETERMINATION THAT A CHANGE TO A PROCEDURE DESCRIBED IN THE SAFETY ANALYSIS REPORT DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. THIS IS A VIOLATION OF 10 CFR 50.59.
(8426 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period NOV 1984

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

* ARKANSAS 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: JULY 23-27, 1984

INSPECTION REPORT NO: 50-368/84-25

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
NONE			

NONE

1. Docket: 50-334 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. EICHER (412) 643-1825

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>720.0</u>	<u>8,040.0</u>	<u>75,264.0</u>
13. Hours Reactor Critical	<u>.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>.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 (MMH)	<u>0</u>	<u>15,808,973</u>	<u>83,398,505</u>
18. Gross Elec Ener (MMH)	<u>0</u>	<u>5,065,500</u>	<u>26,494,490</u>
19. Net Elec Ener (MMH)	<u>-3,010</u>	<u>4,753,825</u>	<u>24,642,623</u>
20. Unit Service Factor	<u>.0</u>	<u>78.4</u>	<u>50.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>78.4</u>	<u>50.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>73.0</u>	<u>43.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>70.8</u>	<u>42.6</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>

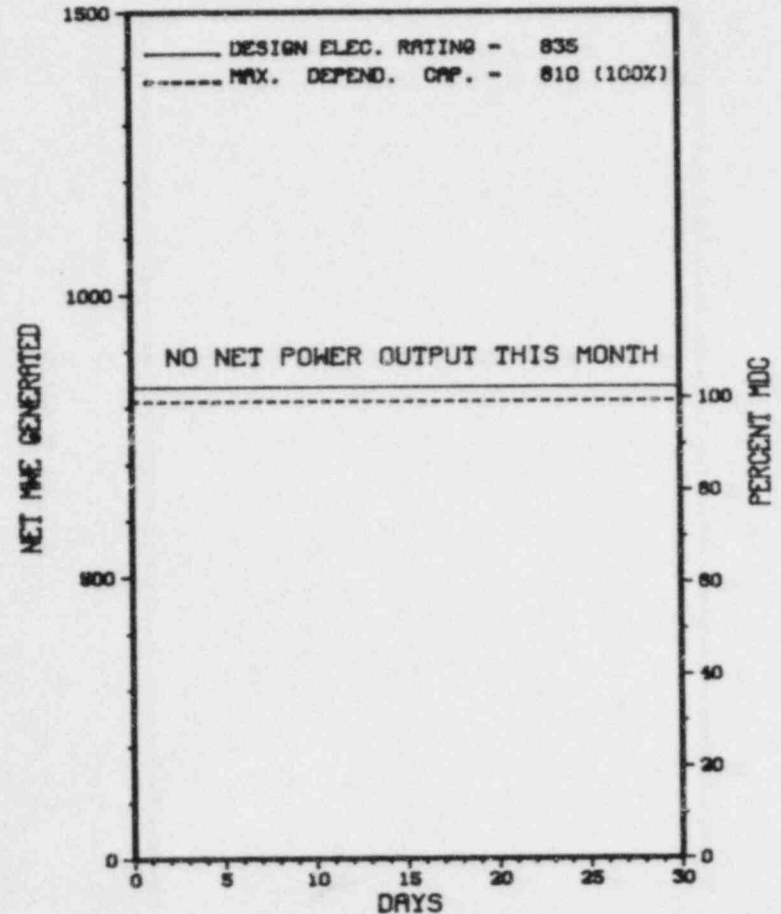
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BEAVER VALLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BEAVER VALLEY 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	10/11/84	S	720.0	C	4		ZZ	ZZZZZ	STATION REMAINED SHUTDOWN FOR 4TH REFUELING OUTAGE.

* SUMMARY *

VEAVER VALLEY 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* BEAVER VALLEY 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....BEAVER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI E OF
E. LIVERPOOL, OH
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 10, 1976
DATE ELEC ENER 1ST GENER...JUNE 14, 1976
DATE COMMERCIAL OPERATE....OCTOBER 1, 1976
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...OHIO RIVER
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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 NOV 1984

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

* BEAVER VALLEY 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-155 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): 73

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

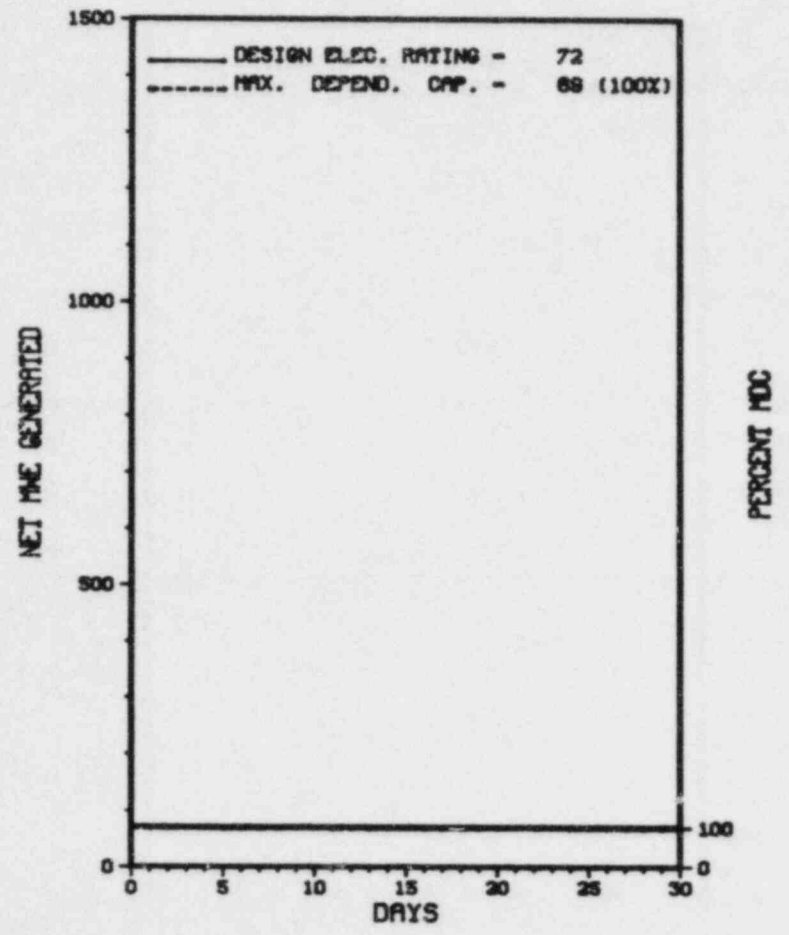
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>190,027.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,239.0</u>	<u>133,949.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,165.3</u>	<u>131,458.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>161,927</u>	<u>1,203,896</u>	<u>24,689,787</u>
18. Gross Elec Ener (MWH)	<u>52,149</u>	<u>389,461</u>	<u>7,805,070</u>
19. Net Elec Ener (MWH)	<u>49,549</u>	<u>368,028</u>	<u>7,380,240</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.7</u>	<u>69.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.7</u>	<u>69.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.7</u>	<u>70.4</u>	<u>57.9*</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>63.6</u>	<u>53.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.8</u>	<u>16.3</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

* B I G R O C K P O I N T 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BIG ROCK POINT 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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 1 OPERATED AT FULL POWER DURING NOVEMBER.

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
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training & License Examination		

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MICHIGAN
COUNTY.....CHARLEVOIX
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...4 MI NE OF
CHARLEVOIX, MICH
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 27, 1962
DATE ELEC ENER 1ST GENER...DECEMBER 8, 1962
DATE COMMERCIAL OPERATE...MARCH 29, 1963
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....EAST CENTRAL AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CONSUMERS POWER
CORPORATE ADDRESS.....212 WEST MICHIGAN AVENUE
JACKSON, MICHIGAN 49201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 1-OCTOBER 9, (84-11): ROUTINE, UNANNOUNCED INSPECTION CONDUCTED BY THE SENIOR RESIDENT INSPECTOR AND A REGION III INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, I.E. BULLETINS, PREPARATIONS FOR SPENT FUEL POOL RACK INSTALLATION, OPERATOR TRAINING, TMI ACTION ITEMS, AND LICENSEE EVENT REPORTS. THE INSPECTION INVOLVED A TOTAL OF 117 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

PLANT EXPERIENCING PROBLEMS WITH R.D.S. PILOT VALVE LEAKAGE ON 'C' TRAIN.

1. Docket: 50-259 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

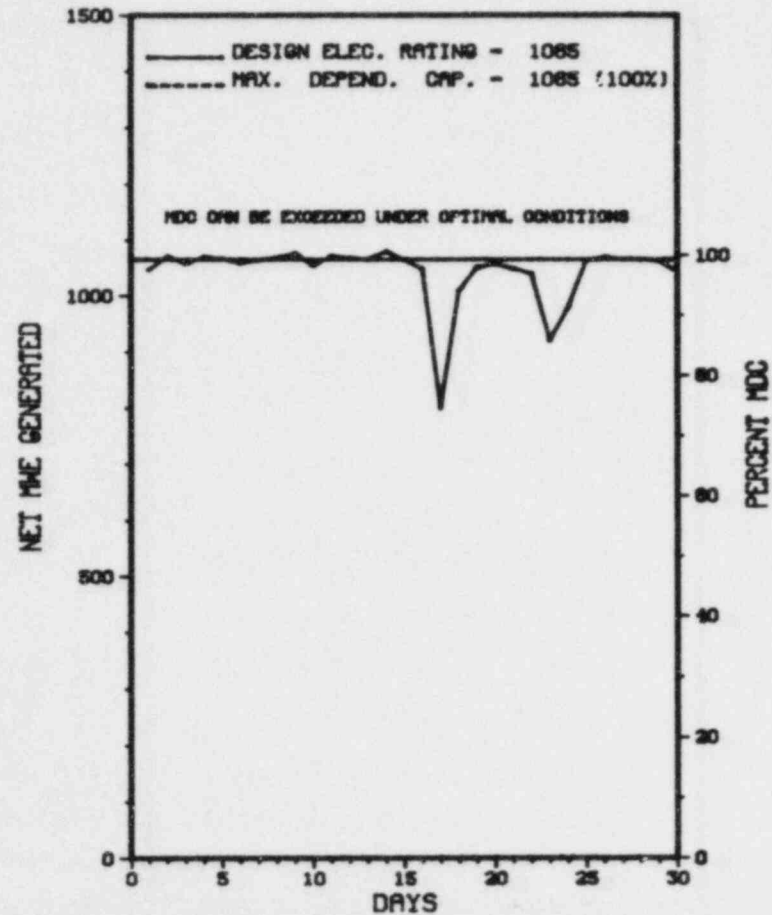
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>90,602.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>7,323.4</u>	<u>57,129.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>700.1</u>	<u>6,484.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>7,188.2</u>	<u>55,905.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,335,308</u>	<u>22,213,353</u>	<u>160,771,032</u>
18. Gross Elec Ener (MWH)	<u>769,980</u>	<u>7,345,670</u>	<u>52,991,290</u>
19. Net Elec Ener (MWH)	<u>751,122</u>	<u>7,113,020</u>	<u>51,438,347</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.4</u>	<u>61.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.4</u>	<u>61.7</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>83.1</u>	<u>53.3</u>
23. Unit Cap Factor (DER Net)	<u>98.0</u>	<u>83.1</u>	<u>53.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.2</u>	<u>22.3</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



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
299	11/16/84	F	0.0	B	5				DERATED FOR CV TESTS, SI'S AND "C" RFWP MAINTENANCE.
300	11/22/84	F	0.0	B	5				DERATED FOR "C" RFWP MAINTENANCE.
301	11/23/84	F	0.0	B	5				DERATED FOR "C" RFWP MAINTENANCE.
302	11/30/84	S	0.0	H	5				DERATED FOR CONTROL ROD SEQUENCE EXCHANGE.

 * SUMMARY *

 BROWNS FERRY 1 OPERATED WITH 4 REDUCTIONS DURING NOVEMBER.

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 1 *

FACILITY DATA

Report Period NOV 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 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
COJNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....500A CHESTNUT STREET TOWER 11
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 15-19 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE TESTING OF PUMPS AND VALVES. ONE VIOLATION WAS IDENTIFIED (IMPROPER ACCEPTANCE CRITERIA FOR PRESSURE ISOLATION VALVES).
INSPECTION OCTOBER 10-12 (84-41): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF HIGH PRESSURE COOLANT INJECTION SYSTEM OPERABILITY. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 23-25 (84-42): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 37 INSPECTOR-HOURS ON SITE IN THE AREA OF A SMALL-SCALE EMERGENCY EXERCISE. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 15-19 (84-43): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SECURITY PLAN AND IMPLEMENTING PROCEDURES; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND COMMUNICATIONS. OF THE 16 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION SEPTEMBER 26 - OCTOBER 25 (84-44): THIS ROUTINE INSPECTION INVOLVED 65 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, AND REPORTABLE OCCURRENCES. THERE WAS ONE VIOLATION IN THE AREAS OF SURVEILLANCE FOR FAILURE TO FOLLOW PROCEDURE AND INADEQUATE PROCEDURE RELATING TO RADIOLOGICAL CONTROL INSTRUCTION 4, 10 CFR 50, APPENDIX B, CRITERION V.

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE NOVEMBER 7 (84-46): AN ENFORCEMENT CONFERENCE WAS HELD AT THE BROWNS FERRY FACILITY AT 1:00 P.M. CST TO REVIEW THE APPARENT VIOLATIONS OF TECHNICAL SPECIFICATIONS DURING A REACTOR STARTUP ON OCTOBER 22, 1984, TO CONDUCT SHUTDOWN MARGIN TESTS (SEE INSPECTION REPORT 50-259/260/296/84-45 FOR DETAILS). DUE TO NRC CONCERNS REGARDING THE CONDUCT OPERATIONS ON OCTOBER 22, 1984, A CONFIRMATION OF ACTION LETTER (COA) LETTER DATED OCTOBER 25, 1984, REQUIRED TVA TO TAKE SPECIFIC ACTIONS PRIOR TO THE RESTART OF BROWNS FERRY UNIT 3. AS A RESULT OF THE COA, AN INDEPENDENT REVIEW AND EVALUATION WAS CONDUCTED BY AN OFFICE OF NUCLEAR POWER REVIEW TEAM (ONPRT) AND BY THE NUCLEAR SAFETY REVIEW STAFF (NSRS). AN NRC REVIEW WAS ALSO CONDUCTED. THE RESULTS AND RECOMMENDATIONS OF THE ONPRT AND THE NSRS REVIEWS WERE PRESENTED AT THIS CONFERENCE. TVA THEN ADDRESSED THE CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE REVIEWS. THE REGIONAL ADMINISTRATOR STATED THAT THE NRC WAS NOT SATISFIED THAT CONTROL OF OPERATIONS TO THE DEGREE NRC REQUIRES EXISTED AT BROWNS FERRY AND EXPRESSED SEVERAL CONCERNS. MR. J. COFFEY STATED THAT TVA WOULD TAKE THE NRC COMMENTS AND WORK WITH THEM TO EFFECT THE NECESSARY CORRECTIVE ACTIONS. SUBSEQUENT TO THE MEETING, BY TELEPHONE CALL OF NOVEMBER 15, 1984 BETWEEN THE REGIONAL ADMINISTRATOR AND MR. J. P. DARLING, REGION II CONCURRED WITH TVA CORRECTIVE ACTIONS FOR RESTART OF BROWNS FERRY UNIT 3. A CONFIRMATION OF CONCURRENCE LETTER WAS ISSUED BY REGION II ON NOVEMBER 16, 1984.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES, OR DRAWINGS, OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES, OR DRAWINGS. CONTRARY TO THE ABOVE, THE REQUIREMENT WAS NOT MET IN THAT RADIOLOGICAL CONTROL INSTRUCTION 4 WAS DEFICIENT AND WAS NOT BEING ADHERED TO. EXAMPLES OF THIS ARE AS FOLLOWS: (A) ALTHOUGH RCI-4 STATES THAT EMERGENCY EQUIPMENT IS LOCATED AT THE HUNTSVILLE HOSPITAL, THE PROCEDURE DOES NOT CONTAIN AN INVENTORY CHECKLIST FOR THIS LOCATION. (B) THREE ITEMS ON THE MEDICAL TREATMENT AREA INVENTORY LIST (TABLE 6 OF RCI-4) HAVE NOT BEEN AVAILABLE SINCE DECEMBER 1983. (C) THE PROCEDURE STATES THAT SELF-CONTAINED BREATHING UNITS SHALL BE INVENTORIED AND INSPECTED MONTHLY BUT IS UNCLEAR WHETHER THE TABLE 7 INVENTORY SHEET SHOULD BE COMPLETED QUARTERLY OR MONTHLY. THE TABLE WAS BEING COMPLETED QUARTERLY AND A MONTHLY INSPECTION WAS BEING PERFORMED USING ANOTHER PROCEDURE UNREFERENCED IN RCI-4. (D) RCI-4 REQUIRES THAT COMPLETED INVENTORIES BE SUBMITTED TO THE HEALTH PHYSICS SUPERVISOR FOR REVIEW. CONTRARY TO THIS, THE MEDICAL TREATMENT AREA INVENTORY LIST FOR THE CURRENT QUARTER (TABLE 6) WAS BEING MAINTAINED BY THE NURSE ABOUT ONE MONTH AFTER THE INVENTORY WAS COMPLETED. (E) RCI-4 REQUIRES THAT INVENTORY LISTS BE POSTED ON THE OUTSIDE AND INSIDE OF THE EMERGENCY EQUIPMENT STORAGE CABINETS. OUT OF DATE REVISIONS OF THE CHECKLISTS WERE POSTED ON THREE EMERGENCY EQUIPMENT CABINETS. (F) THE DECEMBER 1983 INVENTORY OF HEALTH PHYSICS LAB EMERGENCY EQUIPMENT IDENTIFIED A TYPOGRAPHICAL ERROR ON THE LIST WHICH HAS REMAINED UNCORRECTED THROUGH FOUR SUBSEQUENT REVISIONS TO RCI-4. (G) THE EMERGENCY EQUIPMENT CABINET LOCATIONS FOR THE LOCATIONS FOR THE COMMUNICATIONS ROOM IS NOT AS DEPECTED IN FIGURE 2 OF RCI-4. (H) NO SELF-CONTAINED BREATHING UNITS ARE STORED IN THE CHEMISTRY LAB AS REQUIRED BY TABLE 7 OF RCI-4. (I) TABLE 8 OF RCI-4 REFERENCES FIGURE 4 FOR THE LOCATION OF LUNCH ROOM HALL CABINET MEDICAL SUPPLIES. THERE IS NO FIGURE 4 INCLUDED IN RCI-4.

(8444 5)

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):

Report Period NOV 1984

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

* BROWNS FERRY 1 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

+ THE DESIGN SERVICES PROJECT GROUP FOR BROWNS FERRY HAS BEEN RELOCATED FROM KNOXVILLE TO THE SITE.

PLANT STATUS:

NORMAL OPERATION.

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

INSPECTION REPORT NO: 50-259/84-44 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-030	09/28/84	10/26/84	POSSIBLE BLOCK WALL FAILURE DURING A TORNADO. THIS CONDITION WAS IDENTIFIED AS A RESULT OF NEW TORNADO DEPRESSURIZATION ANALYSIS.
84-036	09/29/84	10/23/84	REACTOR CORE ISOLATION COOLING CONTROLLER INOPERABLE. THIS FAILURE WAS RANDOM WITH NO FURTHER CORRECTIVE ACTION REQUIRED.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MMt): 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>720.0</u>	<u>8,040.0</u>	<u>85,513.0</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>72.7</u>	<u>63.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>72.7</u>	<u>63.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>47.2</u>	<u>54.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>47.2</u>	<u>54.1</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>

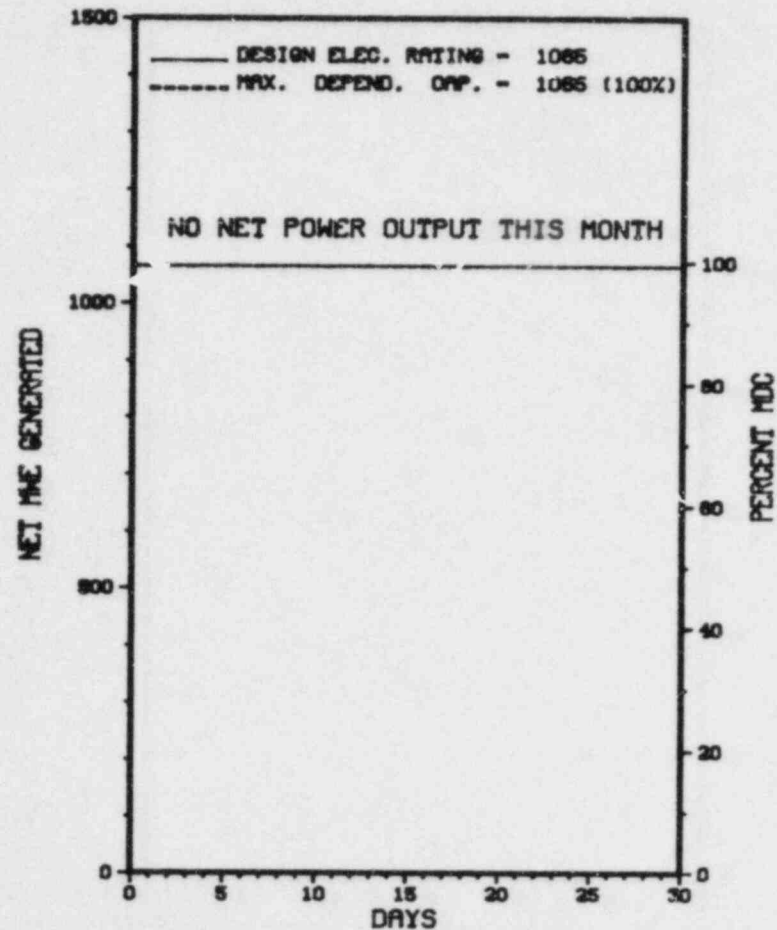
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 07/13/85

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 2



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	EOC-5 REFUEL OUTAGE CONTINUES.

* SUMMARY *

BROWNS FERRY 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Schud	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 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 20, 1974
DATE ELEC ENER 1ST GENER...AUGUST 28, 1974
DATE COMMERCIAL OPERATE...MARCH 1, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. PAULK
LICENSING PROJ MANAGER.....R. CLARK
DOCKET NUMBER.....50-260
LICENSE & DATE ISSUANCE...DPR-52, AUGUST 2, 1974
PUBLIC DOCUMENT ROOM.....ATHENS PUBLIC LIBRARY
SOUTH AND FORREST
ATHENS, ALABAMA 35611

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 15-19 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE TESTING OF PUMPS AND VALVES. ONE VIOLATION WAS IDENTIFIED (IMPROPER ACCEPTANCE CRITERIA FOR PRESSURE ISOLATION VALVES).
INSPECTION OCTOBER 10-12 (84-41): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF HIGH PRESSURE COOLANT INJECTION SYSTEM OPERABILITY. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 23-25 (84-42): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 37 INSPECTOR-HOURS ON SITE IN THE AREA OF A SMALL-SCALE EMERGENCY EXERCISE. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 15-19 (84-43): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SECURITY PLAN AND IMPLEMENTING PROCEDURES; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND COMMUNICATIONS. OF THE 16 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION SEPTEMBER 26 - OCTOBER 25 (84-44): THIS ROUTINE INSPECTION INVOLVED 65 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, AND REPORTABLE OCCURRENCES. THERE WAS ONE VIOLATION IN THE AREAS OF SURVEILLANCE FOR FAILURE TO FOLLOW PROCEDURE AND INADEQUATE PROCEDURE RELATING TO RADIOLOGICAL CONTROL INSTRUCTION 4, 10 CFR 50, APPENDIX B, CRITERION V.

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE NOVEMBER 7 (84-46): AN ENFORCEMENT CONFERENCE WAS HELD AT THE BROWNS FERRY FACILITY AT 1:00 P.M. CST TO REVIEW THE APPARENT VIOLATIONS OF TECHNICAL SPECIFICATIONS DURING A REACTOR STARTUP ON OCTOBER 22, 1984, TO CONDUCT SHUTDOWN MARGIN TESTS (SEE INSPECTION REPORT 50-259/260/296/84-45 FOR DETAILS). DUE TO NRC CONCERNS REGARDING THE CONDUCT OPERATIONS ON OCTOBER 22, 1984, A CONFIRMATION OF ACTION LETTER (COA) LETTER DATED OCTOBER 25, 1984, REQUIRED TVA TO TAKE SPECIFIC ACTIONS PRIOR TO THE RESTART OF BROWNS FERRY UNIT 3. AS A RESULT OF THE COA, AN INDEPENDENT REVIEW AND EVALUATION WAS CONDUCTED BY AN OFFICE OF NUCLEAR POWER REVIEW TEAM (ONPRT) AND BY THE NUCLEAR SAFETY REVIEW STAFF (NSRS). AN NRC REVIEW WAS ALSO CONDUCTED. THE RESULTS AND RECOMMENDATIONS OF THE ONPRT AND THE NSRS REVIEWS WERE PRESENTED AT THIS CONFERENCE. TVA THEN ADDRESSED THE CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE REVIEWS. THE REGIONAL ADMINISTRATOR STATED THAT THE NRC WAS NOT SATISFIED THAT CONTROL OF OPERATIONS TO THE DEGREE NRC REQUIRES EXISTED AT BROWNS FERRY AND EXPRESSED SEVERAL CONCERNS. MR. J. COFFEY STATED THAT TVA WOULD TAKE THE NRC COMMENTS AND WORK WITH THEM TO EFFECT THE NECESSARY CORRECTIVE ACTIONS. SUBSEQUENT TO THE MEETING, BY TELEPHONE CALL OF NOVEMBER 15, 1984 BETWEEN THE REGIONAL ADMINISTRATOR AND MR. J. P. DARLING, REGION II CONCURRED WITH TVA CORRECTIVE ACTIONS FOR RESTART OF BROWNS FERRY UNIT 3. A CONFIRMATION OF CONCURRENCE LETTER WAS ISSUED BY REGION II ON NOVEMBER 16, 1984.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

+ THE DESIGN SERVICES PROJECT GROUP FOR BROWNS FERRY HAS BEEN RELOCATED FROM KNOXVILLE TO THE SITE.

PLANT STATUS:

SHUTDOWN ON SEPTEMBER 15, 1984 FOR REFUELING OUTAGE.

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

INSPECTION REPORT NO: 50-260/84-44 +

Report Period NOV 1984

REPORTS FROM LICENSEE

* BROWNS FERRY 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-007	09/22/84	10/19/84	MAIN STEAM ISOLATION VALVE EXCESSIVE SEAT LEAKAGE. THE VALVE POPPET WILL BE MACHINED AND THE VALVE SEAT LAPPED.

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

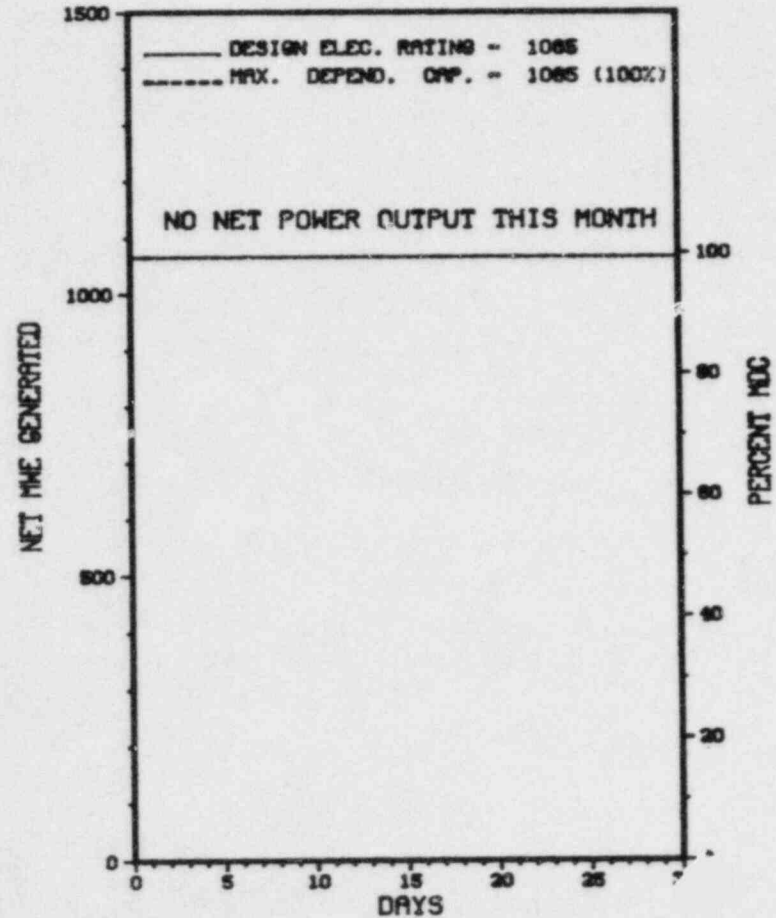
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>67,968.0</u>
13. Hours Reactor Critical	<u>172.4</u>	<u>172.4</u>	<u>43,261.0</u>
14. Rx Reserve Shtdwn Hrs	<u>547.6</u>	<u>547.6</u>	<u>4,445.7</u>
15. Hrs Generator On-Line	<u>1.3</u>	<u>1.3</u>	<u>42,195.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>0</u>	<u>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>.2</u>	<u>.0</u>	<u>62.1</u>
21. Unit Avail Factor	<u>.2</u>	<u>.0</u>	<u>62.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>55.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>55.8</u>
24. Unit Forced Outage Rate	<u>99.8</u>	<u>99.8</u>	<u>11.9</u>
25. Forced Outage Hours	<u>622.4</u>	<u>622.4</u>	<u>5,713.8</u>

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

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

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 3



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BROWNS FERRY 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
141	11/01/84	F	467.9	D	4				REFUELING OUTAGE CONCLUDES. START-UP ON HOLD DUE TO NRC CONCERNS.
142	11/20/84	F	57.6	H	2				REACTOR MANUAL SCRAM DUE TO REACTOR LOW WATER LEVEL. SCRAM WAS CAUSED BY PROCEDURAL INADEQUACY.
143	11/22/84	F	48.3	A	9				DURING HPCI ALIGNMENT FCV-73-3 WAS FOUND TO BE BROKEN.
144	11/24/84	S	96.3	H	9				HOLDING FOR START-UP SI'S AND INSPECTIONS.
145	11/28/84	F	14.8	B	9				EXCESSIVE VIBRATION ON NO. 8 BEARING OF MAIN TURBINE (TURBINE OFFLINE FOR BALANCING).
146	11/29/84	F	33.8	B	9				EXCESSIVE VIBRATION ON MAIN TURBINE. (TURBINE OFFLINE FOR BALANCING).

 * SUMMARY *

 BROWNS FERRY 3 DID NOT GENERATE NET ELECTRICITY DURING NOVEMBER.

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 15-19 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREA OF INSERVICE TESTING OF PUMPS AND VALVES. ONE VIOLATION WAS IDENTIFIED (IMPROPER ACCEPTANCE CRITERIA FOR PRESSURE ISOLATION VALVES).
INSPECTION OCTOBER 10-12 (84-41): THIS SPECIAL, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF HIGH PRESSURE COOLANT INJECTION SYSTEM OPERABILITY. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 23-25 (84-42): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE IN THE AREA OF A SMALL-SCALE EMERGENCY EXERCISE. OF THE AREA INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 15-19 (84-43): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS ON SITE IN THE AREAS OF TESTING AND MAINTENANCE; LOCKS, KEYS AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL, PACKAGES AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS; SECURITY PLAN AND IMPLEMENTING PROCEDURES; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ASSESSMENT AIDS; DETECTION AIDS - PROTECTED AND VITAL AREAS; AND COMMUNICATIONS. OF THE 16 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION SEPTEMBER 26 - OCTOBER 25 (84-44): THIS ROUTINE INSPECTION INVOLVED 65 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, AND REPORTABLE OCCURRENCES. THERE WAS ONE VIOLATION IN THE AREAS OF SURVEILLANCE FOR FAILURE TO FOLLOW PROCEDURE AND INADEQUATE PROCEDURE RELATING TO RADIOLOGICAL CONTROL INSTRUCTION 4, 10 CFR 50, APPENDIX B, CRITERION V.

INSPECTION SUMMARY

ENFORCEMENT CONFERENCE NOVEMBER 7 (84-46): AN ENFORCEMENT CONFERENCE WAS HELD AT THE BROWNS FERRY FACILITY AT 1:00 P.M. CST TO REVIEW THE APPARENT VIOLATIONS OF TECHNICAL SPECIFICATIONS DURING A REACTOR STARTUP ON OCTOBER 22, 1984, TO CONDUCT SHUTDOWN MARGIN TESTS (SEE INSPECTION REPORT 50-259/260/296/84-45 FOR DETAILS). DUE TO NRC CONCERNS REGARDING THE CONDUCT OPERATIONS ON OCTOBER 22, 1984, A CONFIRMATION OF ACTION LETTER (COA) LETTER DATED OCTOBER 25, 1984, REQUIRED TVA TO TAKE SPECIFIC ACTIONS PRIOR TO THE RESTART OF BROWNS FERRY UNIT 3. AS A RESULT OF THE COA, AN INDEPENDENT REVIEW AND EVALUATION WAS CONDUCTED BY AN OFFICE OF NUCLEAR POWER REVIEW TEAM (ONPRT) AND BY THE NUCLEAR SAFETY REVIEW STAFF (NSRS). AN NRC REVIEW WAS ALSO CONDUCTED. THE RESULTS AND RECOMMENDATIONS OF THE ONPRT AND THE NSRS REVIEWS WERE PRESENTED AT THIS CONFERENCE. TVA THEN ADDRESSED THE CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE REVIEWS. THE REGIONAL ADMINISTRATOR STATED THAT THE NRC WAS NOT SATISFIED THAT CONTROL OF OPERATIONS TO THE DEGREE NRC REQUIRES EXISTED AT BROWNS FERRY AND EXPRESSED SEVERAL CONCERNS. MR. J. COFFEY STATED THAT TVA WOULD TAKE THE NRC COMMENTS AND WORK WITH THEM TO EFFECT THE NECESSARY CORRECTIVE ACTIONS. SUBSEQUENT TO THE MEETING, BY TELEPHONE CALL OF NOVEMBER 15, 1984 BETWEEN THE REGIONAL ADMINISTRATOR AND MR. J. P. DARLING, REGION II CONCURRED WITH TVA CORRECTIVE ACTIONS FOR RESTART OF BROWNS FERRY UNIT 3. A CONFIRMATION OF CONCURRENCE LETTER WAS ISSUED BY REGION II ON NOVEMBER 16, 1984.

ENFORCEMENT SUMMARY

NONE

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:

+ PLANT IN STARTUP TESTING.

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

INSPECTION REPORT NO: 50-296/84-44 +

Report Period NOV 1984

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

* BROWNS FERRY 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-010	10/10/84	11/06/84	AN ELECTRICIAN ACCIDENTLY BUMPED A LOGIC RELAY THAT WAS IN TESTING RELAY PANEL AND 2 D/GS RECEIVED START SIGNALS.
84-011	10/02/84	10/19/84	RHR TESTABLE VALVE IMPROPER DISC SEATING. THE PROBLEM WAS CAUSED BY A MISALIGNMENT OF THE VALVE DISC AND SEATING SURFACES.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-325 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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

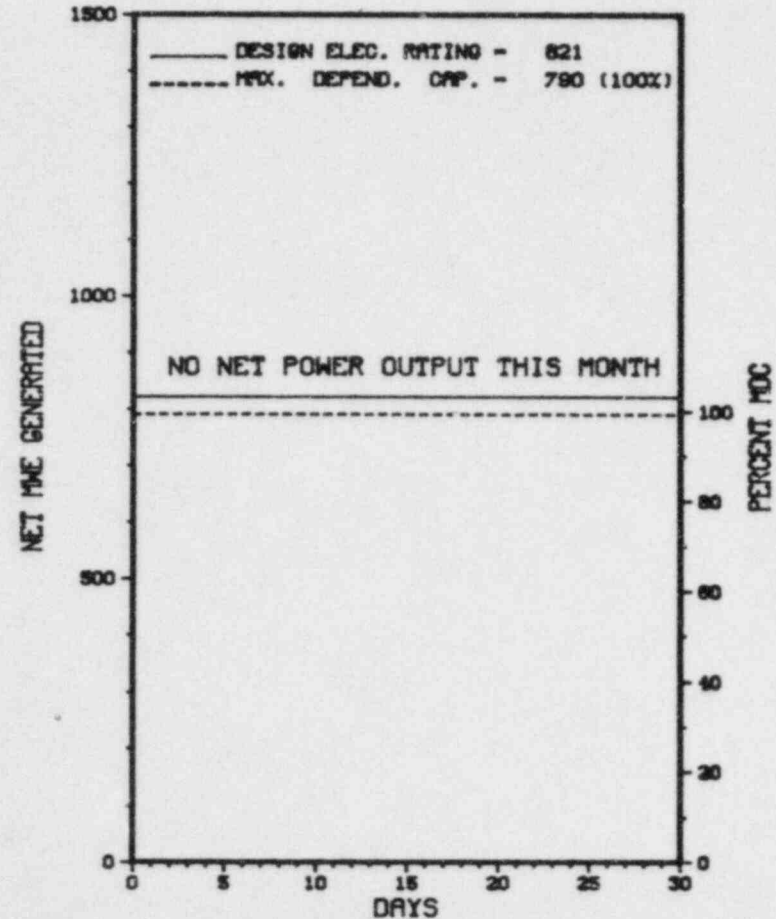
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>67,561.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>14,668,009</u>	<u>83,095,295</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,875,401</u>	<u>27,422,449</u>
19. Net Elec Ener (MWH)	<u>-5,769</u>	<u>4,724,774</u>	<u>26,338,605</u>
20. Unit Service Factor	<u>.0</u>	<u>78.7</u>	<u>59.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>78.7</u>	<u>59.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>74.4</u>	<u>49.3</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>71.6</u>	<u>47.5</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>12/15/84</u>			

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-083	10/29/84	S	720.0	B	4				LOCAL LEAK RATE TESTING AND SNUBBER OUTAGE CONTINUES.

* SUMMARY *

BRUNSWICK 1 REMAINS SHUTDOWN IN A CONTINUING MAINTENANCE/TESTING 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)

* BRUNSWICK 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 15 - OCTOBER 15 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 89 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, AND PLANT STARTUP FROM REFUELING. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW AN OPERATIONS PROCEDURE; AND INADEQUATE SURVEILLANCE PROCEDURES).

INSPECTION OCTOBER 29 - NOVEMBER 1 (84-32): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI), OBSERVATION OF WORK AND WORK ACTIVITIES, REVIEW OF ISI PROCEDURES, AND OBSERVATION OF WELDING ACTIVITIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 29 - NOVEMBER 2 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF ELECTRICAL MAINTENANCE, INSTRUMENTATION AND CONTROLS MAINTENANCE, ELECTRICAL EQUIPMENT QUALIFICATION AND UNIT ELECTRICAL INTERTIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES WRITTEN PROCEDURES BE IMPLEMENTED COVERING PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM D.5 OF APPENDIX "A", REQUIRES PROCEDURES FOR DRAINING THE SHUTDOWN COOLING SYSTEM.

ENFORCEMENT SUMMARY

CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT PROCEDURE OP-17, RESIDUAL HEAT REMOVAL SYSTEM OPERATING PROCEDURE, IN THAT THE SYSTEM WAS NOT ALIGNED AS REQUIRED PER STEP 8.7.A.3, PRIOR TO OPENING DRAIN VALVES TO RADWASTE. THIS RESULTED IN A LOSS OF 12 INCHES OF VESSEL WATER LEVEL WHILE SHUTDOWN INSTEAD OF A REDUCTION IN SUPPRESSION POOL LEVEL. TECHNICAL SPECIFICATIONS SECTION 4 IDENTIFIES SPECIFIC CHECKS, TESTS, AND CALIBRATIONS THAT MUST BE PERFORMED AT SPECIFIC INTERVALS TO DEMONSTRATE OPERABILITY OF SYSTEMS AND COMPONENTS REQUIRED BY SECTION 3. TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES THE LICENSEE TO ESTABLISH IMPLEMENTING PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM H.2 OF THE GUIDE, SPECIFIES THAT PROCEDURES ARE REQUIRED FOR EACH SURVEILLANCE TEST, INSPECTION AND CALIBRATION LISTED IN THE TECHNICAL SPECIFICATIONS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ESTABLISH ADEQUATE PROCEDURES FOR TECHNICAL SPECIFICATION SURVEILLANCE 4.5.3.2.C, IN THAT TESTING PROCEDURE (PT 8.1.2), DID NOT VERIFY THAT BOTH REACTOR COOLANT RECIRCULATION PUMP DISCHARGE AND DISCHARGE BYPASS VALVES (B32-F031A AND B AND B32-F032A AND B), WOULD ACTUATE TO THEIR CORRECT POSITIONS DURING THE LPCI SYSTEM FUNCTIONAL TESTS. THESE VALVES ARE REQUIRED TO AUTOMATICALLY CLOSE ON A LOCAL SIGNAL COMBINED WITH A REACTOR LOW PRESSURE OF 310 PSI. TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES WRITTEN PROCEDURES BE IMPLEMENTED COVERING PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM D.5 OF APPENDIX "A", REQUIRES PROCEDURES FOR DRAINING THE SHUTDOWN COOLING SYSTEM. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT PROCEDURE OP-17, RESIDUAL HEAT REMOVAL SYSTEM OPERATING PROCEDURE, IN THAT THE SYSTEM WAS NOT ALIGNED AS REQUIRED PER STEP 8.7.A.3, PRIOR TO OPENING DRAIN VALVES TO RADWASTE. THIS RESULTED IN A LOSS OF 12 INCHES OF VESSEL WATER LEVEL WHILE SHUTDOWN INSTEAD OF A REDUCTION IN SUPPRESSION POOL LEVEL. TECHNICAL SPECIFICATIONS SECTION 4 IDENTIFIES SPECIFIC CHECKS, TESTS, AND CALIBRATIONS THAT MUST BE PERFORMED AT SPECIFIC INTERVALS TO DEMONSTRATE OPERABILITY OF SYSTEMS AND COMPONENTS REQUIRED BY SECTION 3. TECHNICAL SPECIFICATION 6.8.1.A, REQUIRES THE LICENSEE TO ESTABLISH IMPLEMENTING PROCEDURES RECOMMENDED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ITEM H.2 OF THE GUIDE, SPECIFIES THAT PROCEDURES ARE REQUIRED FOR EACH SURVEILLANCE TEST, INSPECTION AND CALIBRATION LISTED IN THE TECHNICAL SPECIFICATIONS. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ESTABLISH ADEQUATE PROCEDURES FOR TECHNICAL SPECIFICATION SURVEILLANCE 4.5.3.2.C, IN THAT TESTING PROCEDURE (PT 8.1.2), DID NOT VERIFY THAT BOTH REACTOR COOLANT RECIRCULATION PUMP DISCHARGE AND DISCHARGE BYPASS VALVES (B32-F031A AND B AND B32-F032A AND B), WOULD ACTUATE TO THEIR CORRECT POSITIONS DURING THE LPCI SYSTEM FUNCTIONAL TESTS. THESE VALVES ARE REQUIRED TO AUTOMATICALLY CLOSE ON A LOCAL SIGNAL COMBINED WITH A REACTOR LOW PRESSURE OF 310 PSI.
(8430 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD S/D, SNUBBER INSPECTION.

LAST IE SITE INSPECTION DATE: OCTOBER 29 - NOVEMBER 2, 1984 +

INSPECTION REPORT NO: 50-325/84-33 +

Report Period NOV 1984

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

* BRUNSWICK 1 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-026	09/18/84	10/17/84	UNIT 1 AUTO REACTOR SCRAM OCCURRED, DUE TO MAIN TURBINE TRIP AND STOP VALVE FAST CLOSURE.
84-027	09/30/84	10/30/84	AUTOMATIC ISOLATIONS OF THE UNIT 1 REACTOR CORE ISOLATION COOLING SYSTEM. DEFLECTED SYSTEM FROM A STEAM LEAK AT RCIC SYSTEM VALVE CAUSED LOCALIZED HIGH TEMPERATURE.
84-029	10/22/84	11/16/84	AUTOMATIC ACTUATION OF CNTL BLDG EMER AI FILTRATION TRAIN A.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-324 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

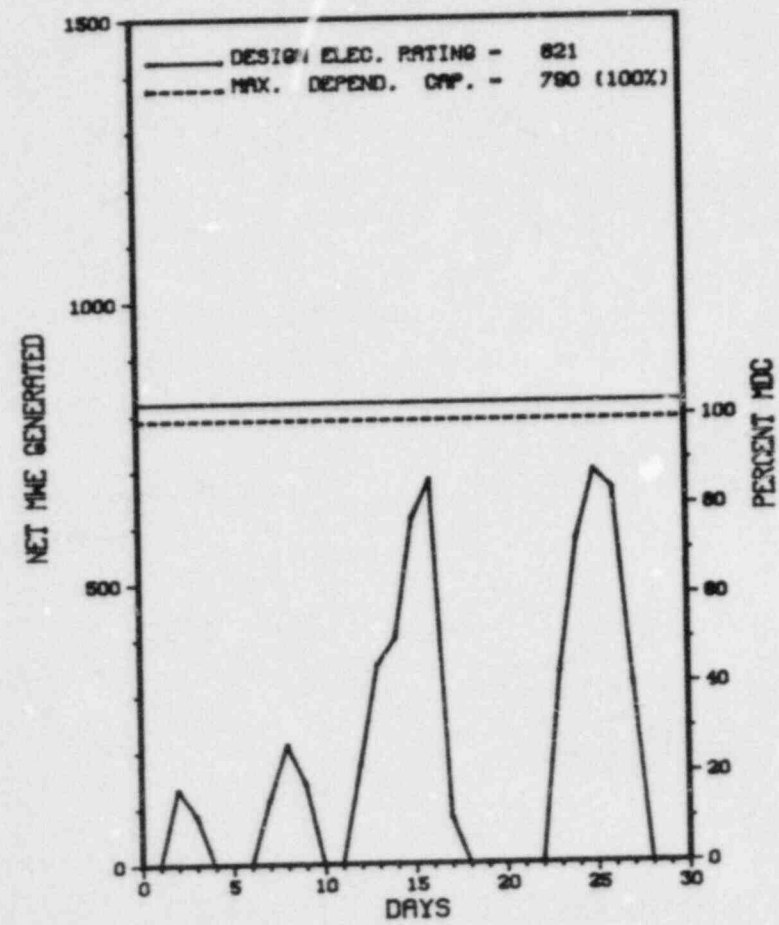
* BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 2

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>79,585.0</u>
13. Hours Reactor Critical	<u>388.5</u>	<u>2,277.0</u>	<u>47,004.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>324.4</u>	<u>1,917.9</u>	<u>43,703.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>453,055</u>	<u>3,820,563</u>	<u>82,397,277</u>
18. Gross Elec Ener (MWH)	<u>140,279</u>	<u>1,254,242</u>	<u>27,363,940</u>
19. Net Elec Ener (MWH)	<u>130,571</u>	<u>1,165,414</u>	<u>26,193,032</u>
20. Unit Service Factor	<u>45.1</u>	<u>23.9</u>	<u>54.9</u>
21. Unit Avail Factor	<u>45.1</u>	<u>23.9</u>	<u>54.9</u>
22. Unit Cap Factor (MDC Net)	<u>23.0</u>	<u>18.3</u>	<u>41.7</u>
23. Unit Cap Factor (DER Net)	<u>22.1</u>	<u>17.7</u>	<u>40.1</u>
24. Unit Forced Outage Rate	<u>21.1</u>	<u>6.0</u>	<u>17.6</u>
25. Forced Outage Hours	<u>87.0</u>	<u>122.5</u>	<u>9,725.9</u>

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

27. If Currently Shutdown Estimated Startup Date: 12/10/84



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-026	10/31/84	S	24.5	B	4				SEPARATED GENERATOR FROM GRID FOR NO. 9 BEARING PROBLEMS.
84-028	11/03/84	S	80.4	B	1				UNIT WAS SHUT DOWN TO 5% REACTOR POWER FOR DRYWELL ENTRY TO CHECK FOR STEAM LEAKS.
84-030	11/09/84	S	61.5	B	1				UNIT WAS SHUT DOWN TO INVESTIGATE HIGH DRYWELL TEMPERATURE. PERFORMED FLOW BALANCE ON DRYWELL COOLER DAMPERS.
84-032	11/17/84	S	142.2	B	1				UNIT WAS SHUT DOWN TO REPAIR G16-F001 AND G16-F004.
84-034	11/27/84	F	87.0	A	3				REACTOR SCRAM - MAIN TURBINE TRIPPED ON MOISTURE SEPARATOR HIGH LEVEL.

 * SUMMARY *

 BRUNSWICK 2 OPERATED ROUTINELY WITH SEVERAL SHUTDOWNS DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 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 SEPTEMBER 10-11 AND 18-24 (84-28): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 50 INSPECTOR-HOURS IN THE AREAS OF WITNESSING THE CONTAINMENT INTEGRATED LEAK RATE TEST AND REVIEW OF ASSOCIATED DOCUMENTATION FOR UNIT 2. IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 15 - OCTOBER 15 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 89 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, AND PLANT STARTUP FROM REFUELING. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED (FAILURE TO FOLLOW AN OPERATIONS PROCEDURE; AND INADEQUATE SURVEILLANCE PROCEDURES).

INSPECTION OCTOBER 29 - NOVEMBER 1 (84-32): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI), AND REVIEW OF COMPLETED DATA. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 29 - NOVEMBER 2 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF ELECTRICAL MAINTENANCE, INSTRUMENTATION AND CONTROLS MAINTENANCE, ELECTRICAL EQUIPMENT QUALIFICATION AND UNIT ELECTRICAL INTERTIES. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period NOV 1984

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

* BRUNSWICK 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: OCTOBER 29 - NOVEMBER 2, 1984 +

INSPECTION REPORT NO: 50-324/84-33 +

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: 50-483 OPERATING STATUS
 2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
 3. Utility Contact: ROB GOODENOW (314 676-8460)
 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

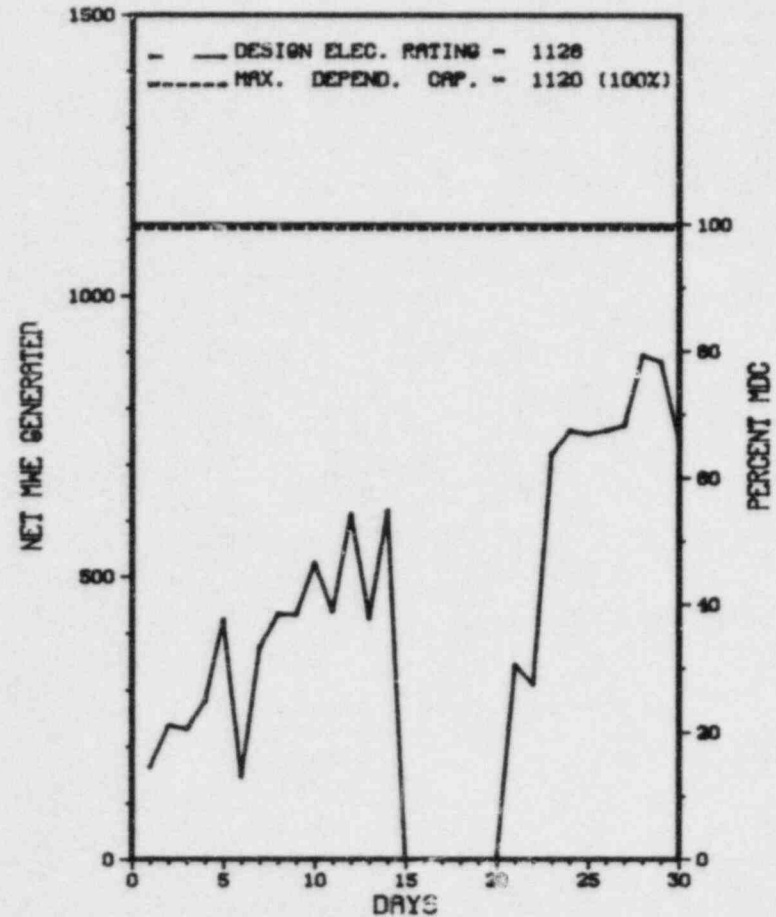
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>899.0</u>	<u>899.0</u>
13. Hours Reactor Critical	<u>670.0</u>	<u>829.0</u>	<u>829.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>479.7</u>	<u>561.7</u>	<u>561.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>878,649</u>	<u>951,739</u>	<u>951,739</u>
18. Gross Elec Ener (MWH)	<u>272,112</u>	<u>290,217</u>	<u>290,217</u>
19. Net Elec Ener (MWH)	<u>240,056</u>	<u>254,189</u>	<u>254,189</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>224.0</u>	<u>274.0</u>	<u>274.0</u>

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

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

 * CALLAWAY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CALLAWAY 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	10/30/84	F	3.2	A	4				TURBINE TRIP FROM 30% POWER DUE TO HIGH VIBRATIONS.
4	11/05/84	F	16.7	A	3				REACTOR TRIP FROM 45% POWER DUE TO FAILED FEEDWATER REGULATING VALVE.
5	11/06/84	F	13.5	A	3				TURBINE TRIP FROM 16% POWER DUE TO FAILED MAIN FEEDWATER RECIRCULATION VALVE.
6	11/10/84	S	16.3	B	2				MANUAL REACTOR TRIP FROM 48% POWER WHILE PERFORMING ETT-ZZ-07120, 'ROD DROP AND PLANT TRIP.'
7	11/13/84	F	0.0	A	5				LOAD REDUCTION DUE TO CIRCULATING PUMP/TRIP.
8	11/14/84	F	170.3	A	3				TURBINE TRIP FROM 56% POWER DUE TO CIRCULATING WATER PUMP TRIP.
9	11/26/84	S	0.0	B	5				LOAD REDUCTION WHILE PERFORMING ETT-ZZ-07101, 'LARGE LOAD REDUCTION - 75% POWER.'
10	11/29/84	F	20.3	A	3				TURBINE TRIP FROM 80% POWER DUE TO LOSS OF BOTH ELECTROHYDRAULIC CONTROL PUMPS.

 * SUMMARY *

 CALLAWAY 1 OPERATED ROUTINELY IN A POWER ASCENSION STATE.

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)

* CALLAWAY 1 *

FACILITY DATA

Report Period NOV 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.....B. LITTLE
LICENSING PROJ MANAGEP.....J. STEVENS
DOCKET NUMBER.....50-483
LICENSE & DATE ISSUANCE...NPF-30, OCTOBER 18, 1984
PUBLIC DOCUMENT ROOM.....FULTON CITY LIBRARY
709 MARKET STREET
FULTON, MO 65251

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 9-10, SEPTEMBER 21 AND 28, AND OCTOBER 17-18, (84-38): ROUTINE ANNOUNCED SAFETY INSPECTION OF LARGE BORE STEAM GENERATOR SNUBBERS (SGSS) INCLUDING A REVIEW OF INSTALLATION, QC INSPECTION RECORDS, FUNCTIONAL TESTING, PLANNED MAINTENANCE PROVISIONS, AND SNUBBER DESIGN AND QUALIFICATION TEST DOCUMENTS. THE INSPECTION INVOLVED A TOTAL OF 35 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

* CALLAWAY 1 *

Report Period NOV 1984 R E P O R T S F R O M L I C E N S E - (CONTINUED)

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: EVELYN BENLEY (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

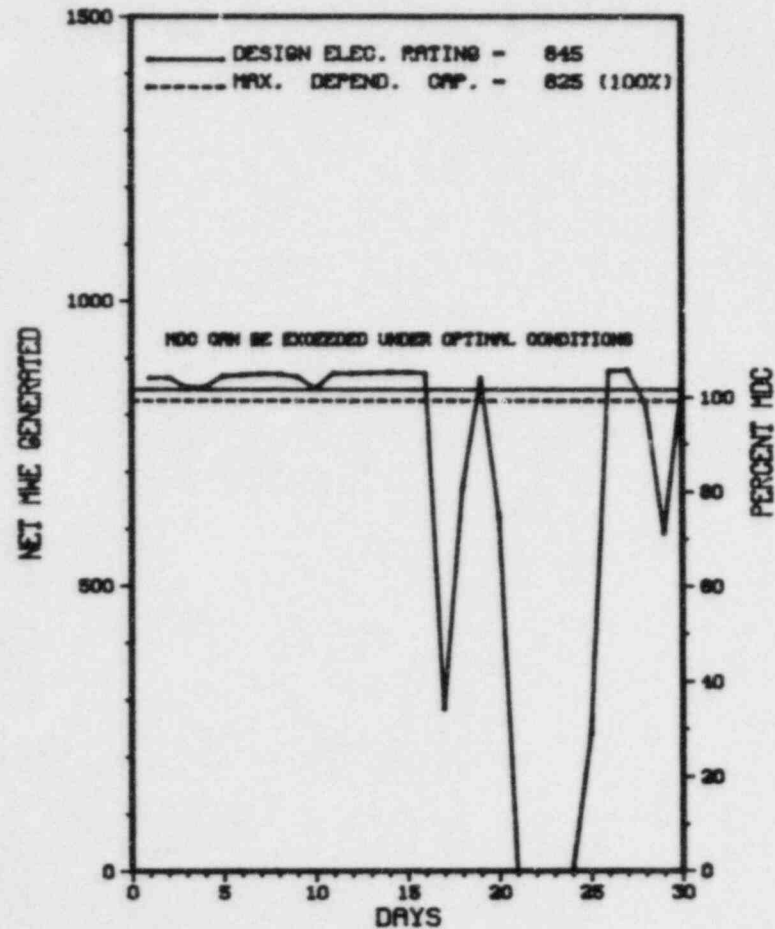
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>.20.0</u>	<u>8,040.0</u>	<u>83,869.0</u>
13. Hours Reactor Critical	<u>635.1</u>	<u>7,140.4</u>	<u>67,107.3</u>
14. Rx Reserve Shtdwn Hrs	<u>84.9</u>	<u>97.0</u>	<u>1,984.9</u>
15. Hrs Generator On-Line	<u>606.1</u>	<u>7,042.4</u>	<u>65,788.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,525,003</u>	<u>18,633,352</u>	<u>162,775,647</u>
18. Gross Elec Ener (MWH)	<u>516,689</u>	<u>6,274,162</u>	<u>53,701,647</u>
19. Net Elec Ener (MWH)	<u>491,181</u>	<u>5,899,892</u>	<u>51,134,858</u>
20. Unit Service Factor	<u>84.2</u>	<u>87.6</u>	<u>78.4</u>
21. Unit Avail Factor	<u>84.2</u>	<u>87.6</u>	<u>78.4</u>
22. Unit Cap Factor (MDC Net)	<u>82.7</u>	<u>88.9</u>	<u>74.8*</u>
23. Unit Cap Factor (DER Net)	<u>80.7</u>	<u>86.8</u>	<u>72.2</u>
24. Unit Forced Outage Rate	<u>15.8</u>	<u>12.4</u>	<u>8.1</u>
25. Forced Outage Hours	<u>113.9</u>	<u>997.6</u>	<u>5,660.4</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING AND TURBINE GI: 03/15/85.

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-08	11/17/84	S	0.0	3	5		XX	ZZZZZZ	REPAIR LEAK ON 12 MOISTURE SEPARATOR REHEATER SHELL DRAIN TANK MANWAY. REDUCED TO VARIOUS LOADS.
84-09	11/20/84	F	11.9	H	1	84-015-00	XX	ZZZZZZ	UNIT WAS SHUTDOWN DUE TO THE REDUCTION OF MAIN CIRCULATING WATER FLOW CAUSED BY IMPINGEMENT OF A LARGE NUMBER OF FISH ON THE TRAVELING SCREENS.
84-10	11/29/84	F	2.0	A	1		CI	PUMPXX	TO PERFORM A DETAILED INSPECTION OF THE REACTOR COOLANT PUMP AND THE PRESSURIZER AREAS TO LOOK FOR REACTOR COOLANT LEAKS.

 * SUMMARY *

CALVERT CLIFFS 1 OPERATED WITH 1 REDUCTION AND 2 OUTAGES DURING NOVEMBER.

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 NOV 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

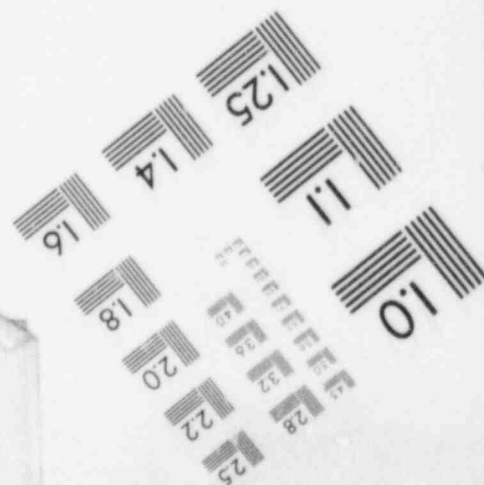
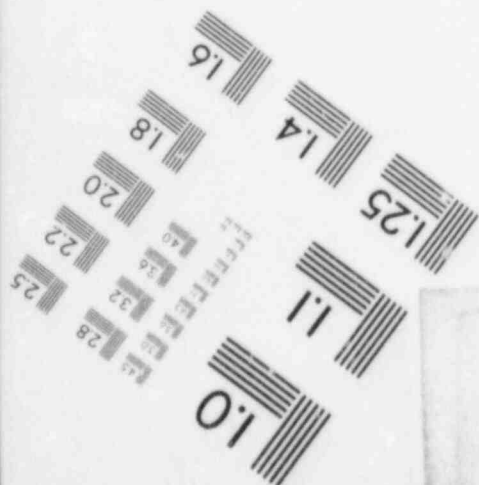
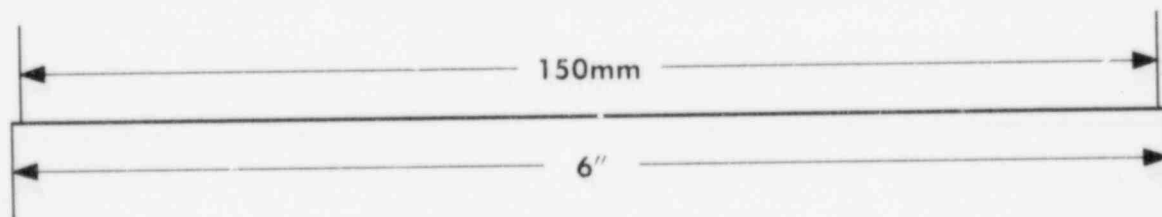
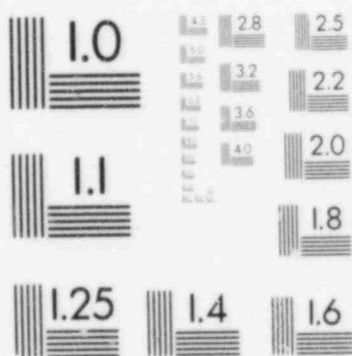
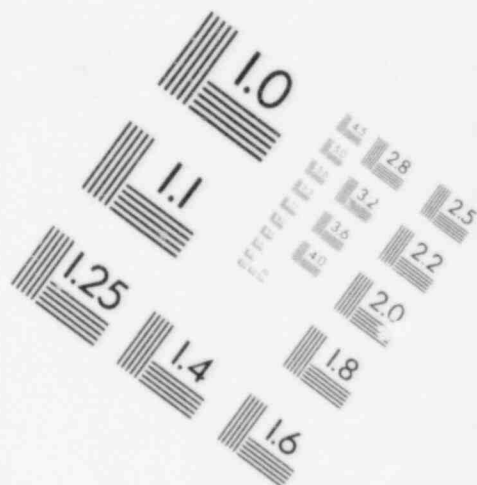
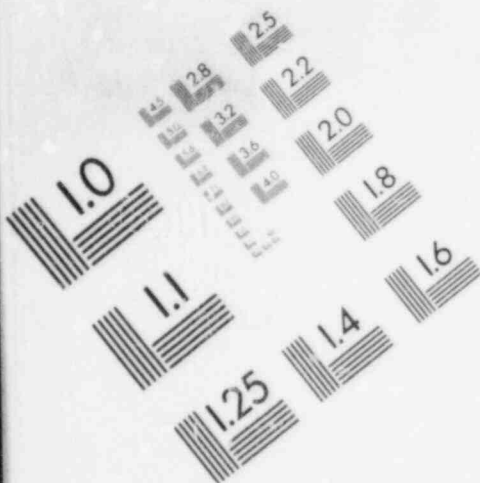
NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 50.59 REQUIRES THAT THE LICENSEE MAKE A DETERMINATION THAT AN UNREVIEWED SAFETY QUESTION DOES NOT EXIST FOR CHANGES MADE TO THE FACILITY WHICH ARE DESCRIBED IN THE FSAR, AND THAT A WRITTEN SAFETY EVALUATION BE RECORDED WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, ON JUNE 14, 1984, THE LICENSEE MADE A CHANGE TO THE FACILITY WHICH IS DESCRIBED IN THE FSAR BY PLACING THE "SWING" HPSI PUMP FOR UNIT IN THE "PULL TO LOCK" POSITION CHANGING THE LOGIC DESCRIBED IN SECTION 7.3.2.2 OF THE FSAR WITHOUT PERFORMING A WRITTEN SAFETY EVALUATION DOCUMENTING THE BASIS THAT THE CHANGE DID NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR 53 AND 69.
(8418 5)

10CFR 71.101 (B), "QUALITY ASSURANCE REQUIREMENTS", REQUIRES EACH LICENSEE TO ESTABLISH A QUALITY ASSURANCE PROGRAM FOR PACKAGES. 10 CFR 71.101 (F) STATES THAT A COMMISSION APPROVED QUALITY ASSURANCE PROGRAM THAT SATISFIES THE APPLICABLE CRITERIA OF APPENDIX B OF PART 50 OF THIS CHAPTER, AND WHICH IS ESTABLISHED, MAINTAINED, AND EXECUTED WITH REGARD TO TRANSPORT PACKAGES WILL BE ACCEPTED AS SATISFYING THE REQUIREMENTS OF PARAGRAPH (B) OF 10CFR 71.101 QUALITY ASSURANCE PROGRAM. APPROVAL FOR RADIOACTIVE MATERIAL

IMAGE EVALUATION TEST TARGET (MT-3)



ENFORCEMENT SUMMARY

PACKAGES, APPROVAL NUMBER 0383, REVISION NUMBER 1, DATED SEPTEMBER 6, 1983, APPROVED THE LICENSEE'S APPLICATION DATED JUNE 19, 1980, WHICH INCORPORATED TRANSPORT PACKAGES INTO THE PREVIOUSLY APPROVED QUALITY ASSURANCE PROGRAM. CRITERION II, APPENDIX B OF PART 50 OF THE LICENSEE'S APPROVED PROGRAM REQUIRES, IN PART, THAT THE LICENSEE IDENTIFY THE STRUCTURES, SYSTEMS, AND COMPONENTS TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CONTRARY TO THE ABOVE, AS OF JULY 27, 1984, THE LICENSEE HAS NOT IDENTIFIED RADIOACTIVE MATERIAL TRANSPORT PACKAGES AS A STRUCTURE, SYSTEM, OR COMPONENT TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CRITERION X, APPENDIX B OF PART 50 OF THE LICENSEE'S APPROVED PROGRAM REQUIRES, IN PART, THAT THE LICENSEE ESTABLISH AN INSPECTION PROGRAM FOR ACTIVITIES AFFECTING QUALITY. CONTRARY TO THE ABOVE, AS OF JULY 27, 1984, THE LICENSEE HAS NOT ESTABLISH A RECEIPT INSPECTION PROGRAM FOR RADIOACTIVE MATERIAL TRANSPORT PACKAGES FOR ACTIVITIES AFFECTING QUALITY. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8420 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 OPERATING STATUS
2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
3. Utility Contact: EVELYN BEWLEY (310) 787-5365
4. Licensed Thermal Power (Mwt): 2700
5. Nameplate Rating (Gross MWe): 1012 X 0.9 = 911
6. Design Electrical Rating (Net MWe): 845
7. Maximum Dependable Capacity (Gross MWe): 860
8. Maximum Dependable Capacity (Net MWe): 825
9. If Changes Occur Above Since Last Report, Give Reasons:

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>67,224.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,886.2</u>	<u>55,814.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>10.2</u>	<u>968.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,759.2</u>	<u>54,874.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,868,686</u>	<u>14,882,397</u>	<u>136,724,090</u>
18. Gross Elec Ener (MWH)	<u>629,737</u>	<u>4,916,576</u>	<u>44,985,662</u>
19. Net Elec Ener (MWH)	<u>603,032</u>	<u>4,693,406</u>	<u>42,897,168</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.6</u>	<u>81.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.6</u>	<u>81.6</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>70.8</u>	<u>77.8*</u>
23. Unit Cap Factor (DER Net)	<u>99.1</u>	<u>69.1</u>	<u>75.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.7</u>	<u>6.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>551.7</u>	<u>3,596.9</u>

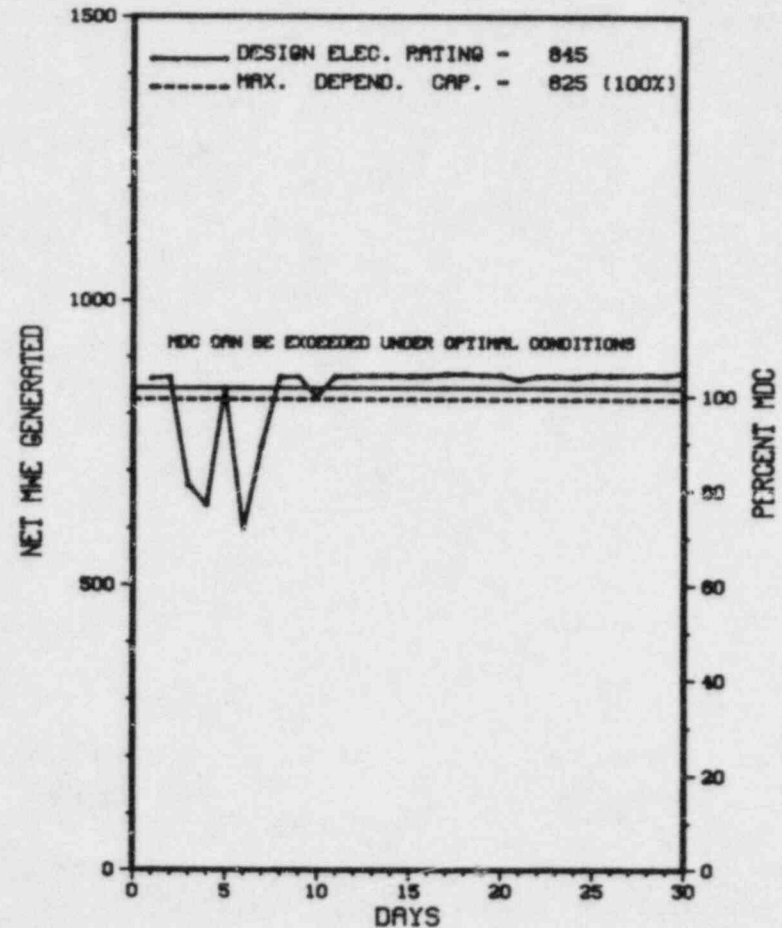
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 CALVERT CLIFFS 2



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-11	11/03/84	S	0.0	B	5		XX	ZZZZZZ	POWER WAS REDUCED TO VARIOUS LOADS TO FACILITATE TROUBLESHOOTING 21 STEAM GENERATOR FEED PUMP (SGFP) CONTROLS.
84-12	11/06/84	F	0.0	A	5		XX	ZZZZZZ	POWER WAS REDUCED TO VARIOUS LOADS TO FACILITATE REMOVAL OF 21 SGFP WHEN ITS BEARING OIL PRESSURE DROPPED SIGNIFICANTLY.

 * SUMMARY *

 CALVERT CLIFFS 2 OPERATED WITH 2 REDUCTIONS DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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

10 CFR 50.59 REQUIRES THAT THE LICENSEE MAKE A DETERMINATION THAT AN UNREVIEWED SAFETY QUESTION DOES NOT EXIST FOR CHANGES MADE TO THE FACILITY WHICH ARE DESCRIBED IN THE FSAR, AND THAT A WRITTEN SAFETY EVALUATION BE RECORDED WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE ABOVE, ON JUNE 14, 1984, THE LICENSEE MADE A CHANGE TO THE FACILITY WHICH IS DESCRIBED IN THE FSAR BY PLACING THE "SWING" HPSI PUMP FOR UNIT IN THE "PULL TO LOCK" POSITION CHANGING THE LOGIC DESCRIBED IN SECTION 7.3.2.2 OF THE FSAR WITHOUT PERFORMING A WRITTEN SAFETY EVALUATION DOCUMENTING THE BASIS THAT THE CHANGE DID NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I) APPLICABLE TO DPR 53 AND 69.
(8418 5)

10CFR 71.101 (B), "QUALITY ASSURANCE REQUIREMENTS", REQUIRES EACH LICENSEE TO ESTABLISH A QUALITY ASSURANCE PROGRAM FOR PACKAGES. 10 CFR 71.101 (F) STATES THAT A COMMISSION APPROVED QUALITY ASSURANCE PROGRAM THAT SATISFIES THE APPLICABLE CRITERIA OF APPENDIX B OF PART 50 OF THIS CHAPTER, AND WHICH IS ESTABLISHED, MAINTAINED, AND EXECUTED WITH REGARD TO TRANSPORT PACKAGES WILL BE ACCEPTED AS SATISFYING THE REQUIREMENTS OF PARAGRAPH (B) OF 10 CFR 71.101 QUALITY ASSURANCE PROGRAM. APPROVAL FOR RADIOACTIVE MATERIAL

ENFORCEMENT SUMMARY

PACKAGES, APPROVAL NUMBER 0383, REVISION NUMBER 1, DATED SEPTEMBER 6, 1983, APPROVED THE LICENSEE'S APPLICATION DATED JUNE 19, 1980, WHICH INCORPORATED TRANSPORT PACKAGES INTO THE PREVIOUSLY APPROVED QUALITY ASSURANCE PROGRAM. CRITERION II, APPENDIX B OF PART 50 OF THE LICENSEE'S APPROVED PROGRAM REQUIRES, IN PART, THAT THE LICENSEE IDENTIFY THE STRUCTURES, SYSTEMS, AND COMPONENTS TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CONTRARY TO THE ABOVE, AS OF JULY 27, 1984, THE LICENSEE HAS NOT IDENTIFIED RADIOACTIVE MATERIAL TRANSPORT PACKAGES AS A STRUCTURE, SYSTEM, OR COMPONENT TO BE COVERED BY THE QUALITY ASSURANCE PROGRAM. CRITERION X, APPENDIX B OF PART 50 OF THE LICENSEE'S APPROVED PROGRAM REQUIRES, IN PART, THAT THE LICENSEE ESTABLISH AN INSPECTION PROGRAM FOR ACTIVITIES AFFECTING QUALITY. CONTRARY TO THE ABOVE, AS OF JULY 27, 1984, THE LICENSEE HAS NOT ESTABLISH A RECEIPT INSPECTION PROGRAM FOR RADIOACTIVE MATERIAL TRANSPORT PACKAGES FOR ACTIVITIES AFFECTING QUALITY. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT V).
(8420 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: 50-315 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWT): 3250

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

6. Design Electrical Rating (Net MWe): 1030

7. Maximum Dependable Capacity (Gross MWe): 1056

8. Maximum Dependable Capacity (Net MWe): 1020

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>86,928.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>7,341.9</u>	<u>64,960.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>7,273.8</u>	<u>63,617.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>2,187,769</u>	<u>21,972,715</u>	<u>186,054,329</u>
18. Gross Elec Ener (MWH)	<u>711,720</u>	<u>7,159,200</u>	<u>61,085,490</u>
19. Net Elec Ener (MWH)	<u>685,300</u>	<u>6,891,278</u>	<u>58,771,618</u>
20. Unit Service Factor	<u>100.0</u>	<u>90.5</u>	<u>75.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>90.5</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>93.3</u>	<u>84.0</u>	<u>68.0</u>
23. Unit Cap Factor (DER Net)	<u>92.4</u>	<u>83.2</u>	<u>65.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.4</u>	<u>7.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>418.6</u>	<u>4,499.4</u>

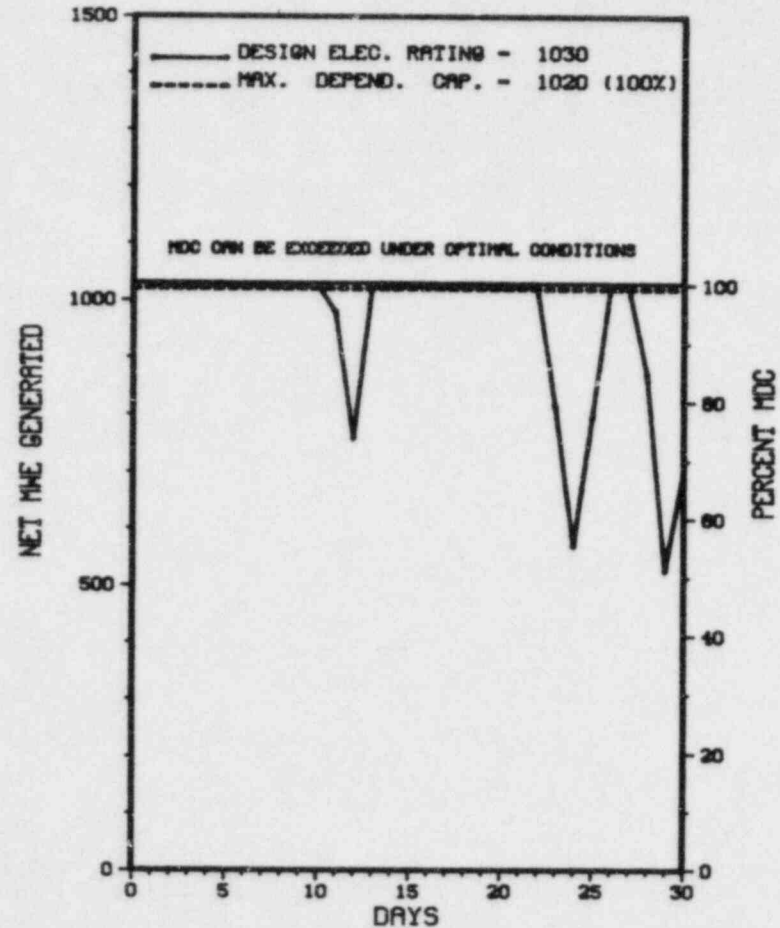
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING & MAINTENANCE: 03/19/85 - 4 MOS.

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

XX
* COOK 1 *
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	11/11/84	F	0.0	H	5		HF	HTEXCH	REACTOR POWER REDUCED TO 55% TO REMOVE THE MAIN FEED PUMPS FROM SERVICE ONE AT A TIME TO REMOVE DEBRIS FROM THE F-P TURBINE CONDENSER WATER BOXES/TUBE SHEETS. THE DEBRIS PROBLEM WAS CAUSED BY STORMY LAKE CONDITIONS. REACTOR POWER WAS RETURNED TO 100% ON 841112.
	11/23/84	S	0.0	B	5		HH	TURBIN	REACTOR POWER REDUCED TO 77% TO PERFORM PREVENTIVE MAINTENANCE ON THE CIRCULATING WATER SYSTEM DE-ICING GATES IN PREPARATION FOR WINTER LAKE CONDITIONS. ON 841124 REACTOR POWER WAS FURTHER REDUCED FROM 77% TO 55% TO PERFORM PLANNED MAINTENANCE ON THE WEST MAIN FEED PUMP TURBINE THRUST BEARING FAILURE TRIP DEVICE. THE UNIT WAS RETURNED TO 100% POWER ON 841126.
	11/28/84	F	0.0	B	5		HH	HTEXCH	REACTOR POWER REDUCED TO 55% TO PERMIT REMOVING THE MAIN FEED PUMPS FROM SERVICE ONE AT A TIME TO CHECK THE F-P TURBINE CONDENSERS FOR TUBE LEAKS. TWO TUBES WERE PLUGGED IN THE EAST F-P TURBINE CONDENSER.

 * SUMMARY *

 COOK 1 OPERATED WITH 3 REDUCTIONS DURING THE REPORT 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)

* COOK 1 *

FACILITY DATA

Report Period NOV 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.....B. JURGENSEN
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

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 7-17, 21-24, AND OCTOBER 17-18, (84-15): ROUTINE, UNANNOUNCED INSPECTION BY THREE REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; QA/QC ADMINISTRATION; AUDIT PROGRAM; DESIGN CHANGE AND MODIFICATION PROGRAM; DESIGN CHANGE AND MODIFICATION IMPLEMENTATION; MAINTENANCE; PROCUREMENT CONTROL; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT AND MATERIAL; TEST AND MEASUREMENT EQUIPMENT; SURVEILLANCE TESTING AND CALIBRATION CONTROL; AND DOCUMENT CONTROL. THE INSPECTION INVOLVED A TOTAL OF 159 INSPECTOR-HOURS ONSITE AND 55 INSPECTOR-HOURS AT CORPORATE HEADQUARTERS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO PROVIDE PROMPT AND EFFECTIVE CORRECTIVE ACTION AND FAILURE TO FOLLOW DOCUMENTED PROCEDURE).

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 4.7.1.2 REQUIRES VERIFICATION THAT THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMPS TO DEVELOP A DISCHARGE PRESSURE OF GREATER THAN OR EQUAL TO 1285 PSIG AT 700 GPM OR GREATER. CONTRARY TO THE ABOVE, SURVEILLANCE TEST PROCEDURES FOR TESTING THE PUMPS ALLOWED ACCEPTANCE OF THE TESTS AT LOWER DISCHARGE PRESSURES THAN 1285 PSIG AND TEST RESULTS WERE ACCEPTED THAT DID NOT MEET THE TECHNICAL SPECIFICATION REQUIREMENTS. APPENDIX B OF 10 CFR 50, CRITERION XVI, AND SUBSECTION IWV OF THE ASME BOILER AND PRESSURE VESSEL CODE, SECTION XI REQUIRE THE IDENTIFICATION OF CONDITIONS ADVERSE TO QUALITY AND APPROPRIATE CORRECTIVE ACTION. CONTRARY TO THIS: (A) LIMITING VALUES FOR VALVE STROKE TIMES WERE SELECTED THAT WOULD NOT MEET THE INTENT OF THE CODE IN IDENTIFYING SERIOUS VALVE DEGRADATION OR IN REQUIRING CORRECTIVE ACTION TO ASSURE VALVE OPERATIONAL

ENFORCEMENT SUMMARY

READINESS; (B) DOCUMENTATION, ANALYSIS AND EVALUATION OF SURVEILLANCE TEST RESULTS AND CORRECTIVE ACTION WAS INADEQUATE TO DETERMINE IF CONDITIONS ADVERSE TO QUALITY EXISTED OTHER THAN FOR INDIVIDUAL VALVE FAILURES; (C) SPECIFIC CORRECTIVE ACTION REQUIREMENTS FOR INCREASED POWER OPERATED VALVE STROKE TIMES OR FOR INCREASED VALVE LEAK RATES ACCORDING TO IHW OF THE CODE WERE NOT FOLLOWED.
(8413 4)

CRITERION XII, CONTROL OF MEASURING AND TEST EQUIPMENT, IN APPENDIX B OF 10 CFR 50 REQUIRES CALIBRATED EQUIPMENT TO BE USED IN "ACTIVITIES AFFECTING QUALITY." CONTRARY TO THE ABOVE, SURVEILLANCE TESTS OF THE AUXILIARY FEEDWATER SYSTEMS FOR BOTH UNITS WERE PERFORMED WITHOUT REQUIRING OR USING CALIBRATED EQUIPMENT IN THE CASE OF STOPWATCHES AND HAND HELD TACHOMETERS USED.
(8413 5)

10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY THE DONALD C. COOK OPERATIONS QUALITY ASSURANCE (QA) PROGRAM, REQUIRES THAT MEASURES BE ESTABLISHED TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, THE FOLLOWING EXAMPLES OF UNTIMELY OR INEFFECTIVE CORRECTIVE ACTION WERE NOTED. (A) THE COMMITMENT DATE OF FEBRUARY 1984 FOR FULL COMPLIANCE IN ESTABLISHING AND IMPLEMENTING A QUALITY CONTROL (QC) INSPECTOR QUALIFICATION PROGRAM FOR THE D. C. COOK PLANT WAS NOT MET. (B) RESPONSES TO CORRECTIVE ACTION REQUESTS (CARs) WERE CONSISTENTLY LATE. THE REPORT OF OVERDUE CARs ISSUED AUGUST 9, 1984 LISTED 61 OVERDUE CAR RESPONSES. (C) A CORRECTIVE ACTION REQUEST WAS NOT ISSUED ON THE FAILURE TO PERFORM REQUIRED LIMIT SWITCH TESTING DURING THE 1983 UNIT 1 REFUELING OUTAGE. THIS PROBLEM WAS NOTED BY THE AMERICAN ELECTRIC POWER SERVICE CORPORATION (AEPSC) AUDITOR IN AUDIT QA-84-06 BUT THE AUDITOR DID NOT SUBMIT THE ITEM AS A FINDING FOR REQUIRED CORRECTIVE ACTION.
(8416 4)

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PERFORMED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. CONTRARY TO THE ABOVE, ALL PORTIONS OF DOCUMENT CONTROL PROCEDURE 12 AHP-2030 DCR.0001 WERE NOT BEING FOLLOWED. IN TWO AREAS, THE LICENSEE'S RECORDS INDICATED THAT REVISED DOCUMENTATION HAD BEEN FILED AND THE OBSOLETE DOCUMENTATION HAD BEEN DESTROYED WHEN THIS ACTION HAD NOT BEEN COMPLETED.

(8416 5)

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: NOVEMBER 17 - DECEMBER 19, 1984

Report Period NOV 1984

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

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* COOK 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

OTHER ITEMS

INSPECTION REPORT NO: 84-22

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
-----
84-24   10/02/84  11/01/84  INOPERABILITY OF SPENT FUEL POOL EXHAUST FANS
=====
```

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): _____

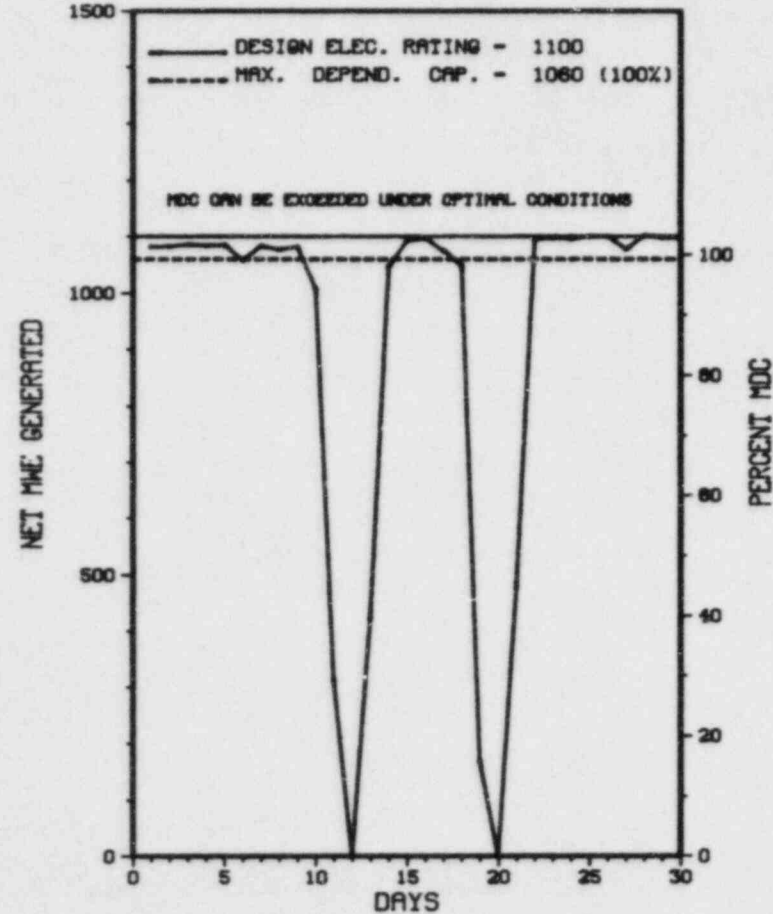
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>60,624.0</u>
13. Hours Reactor Critical	<u>637.1</u>	<u>4,959.5</u>	<u>42,744.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>622.2</u>	<u>4,864.0</u>	<u>41,664.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,056,182</u>	<u>15,969,740</u>	<u>134,422,708</u>
18. Gross Elec Ener (MWH)	<u>680,100</u>	<u>5,205,750</u>	<u>43,432,180</u>
19. Net Elec Ener (MWH)	<u>656,624</u>	<u>5,023,867</u>	<u>41,877,220</u>
20. Unit Service Factor	<u>86.4</u>	<u>60.5</u>	<u>71.5</u>
21. Unit Avail Factor	<u>86.4</u>	<u>60.5</u>	<u>71.5</u>
22. Unit Cap Factor (MDC Net)	<u>86.0</u>	<u>58.9</u>	<u>68.4</u>
23. Unit Cap Factor (DER Net)	<u>82.9</u>	<u>56.8</u>	<u>66.8</u>
24. Unit Forced Outage Rate	<u>13.6</u>	<u>4.1</u>	<u>12.8</u>
25. Forced Outage Hours	<u>97.8</u>	<u>209.6</u>	<u>6,060.5</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>SURVEILLANCE & MAINT, OUTAGE: 12/22/84 - 1 WFK</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* COOK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	11/11/84	F	48.1	A	2	84-029	CB	VALVEX	WITH REACTOR POWER BEING DECREASED, THE REACTOR WAS MANUALLY TRIPPED FROM 73% DUE TO DECREASING PRESSURIZER PRESSURE CAUSED BY A PRESSURIZER SPRAY VALVE THAT FAILED TO FULLY CLOSE FOLLOWING PARTIAL CYCLING OF THE VALVE. THE PRESSURE CONTINUED TO DECREASE CAUSING A SAFETY INJECTION. THE PRESSURIZER SPRAY VALVE WAS CHECKED, AND FOUND TO REMAIN PARTIALLY OPEN FOLLOWING CYCLING.
	11/19/84	F	49.7	H	3	84-030	ZZ	ZZZZZZ	THE REACTOR TRIPPED FROM 96% POWER. THE CAUSE OF THE TRIP WAS A SENSED STEAM FLOW/FEEDWATER FLOW MISMATCH CONCURRENT WITH AN APPARENT LOW STEAM GENERATOR LEVEL.

 * SUMMARY *

 COOK 2 OPERATED WITH 2 OUTAGES DURING NOVEMBER.

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
	f-License Examination	9-Other	(LER) File (NUREG-0161)
	F-Admin		
	G-Oper Error		
	H-Other		

* COOK 2 *

FACILITY DATA

Report Period NOV 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.....B. JURGENSEN
LICENSING PROJ MANAGER.....D. WIGGINTON
DOCKET NUMBER.....50-316
LICENSE & DATE ISSUANCE...DPR-74, DECEMBER 23, 1977
PUBLIC DOCUMENT ROOM.....MAUDE PRESTON PALENSKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON MAY 29-31, AUGUST 13-14 AND SEPTEMBER 28, (84-13): ROUTINE ANNOUNCED INSPECTION BY A REGION BASED INSPECTOR OF PROCEDURES USED TO PERFORM THE CONTAINMENT INTEGRATED LEAK RATE TEST AND THE RESULTS GENERATED AFTER THE TEST. THE INSPECTION INVOLVED 43 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING FOUR INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED (INADEQUATE PROCEDURE, RESULTING IN FAILURE TO PERFORM THE SUPPLEMENTAL TEST IN ACCORDANCE WITH 10 CFR 50, APPENDIX J REQUIREMENTS PARAGRAPH III.A.3.(B)).

INSPECTION ON AUGUST 7-17, 21-24, AND OCTOBER 17-18, (84-18): ROUTINE, UNANNOUNCED INSPECTION BY THREE REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; QA/QC ADMINISTRATION; AUDIT PROGRAM; DESIGN CHANGE AND MODIFICATION PROGRAM; DESIGN CHANGE AND MODIFICATION IMPLEMENTATION; MAINTENANCE; PROCUREMENT CONTROL; RECEIPT, STORAGE AND HANDLING OF EQUIPMENT AND MATERIAL; TEST AND MEASUREMENT EQUIPMENT; SURVEILLANCE TESTING AND CALIBRATION CONTROL; AND DOCUMENT CONTROL. THE INSPECTION INVOLVED A TOTAL OF 159 INSPECTOR-HOURS ONSITE AND 55 INSPECTOR-HOURS AT CORPORATE HEADQUARTERS. OF THE ELEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN NINE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO PROVIDE PROMPT AND EFFECTIVE CORRECTIVE ACTION AND FAILURE TO FOLLOW DOCUMENTED PROCEDURE).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V STATES *ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS,

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. K. SALISBURY (402) 325-3811

4. Licensed Thermal Power (MWT): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>91,345.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,952.6</u>	<u>72,955.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,902.3</u>	<u>71,820.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>10,926,853</u>	<u>141,440,011</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,618,141</u>	<u>45,024,496</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>3,469,953</u>	<u>43,386,612</u>
20. Unit Service Factor	<u>.0</u>	<u>73.4</u>	<u>78.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>73.4</u>	<u>78.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.5</u>	<u>62.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>55.5</u>	<u>61.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>3.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>133.1</u>	<u>2,090.7</u>

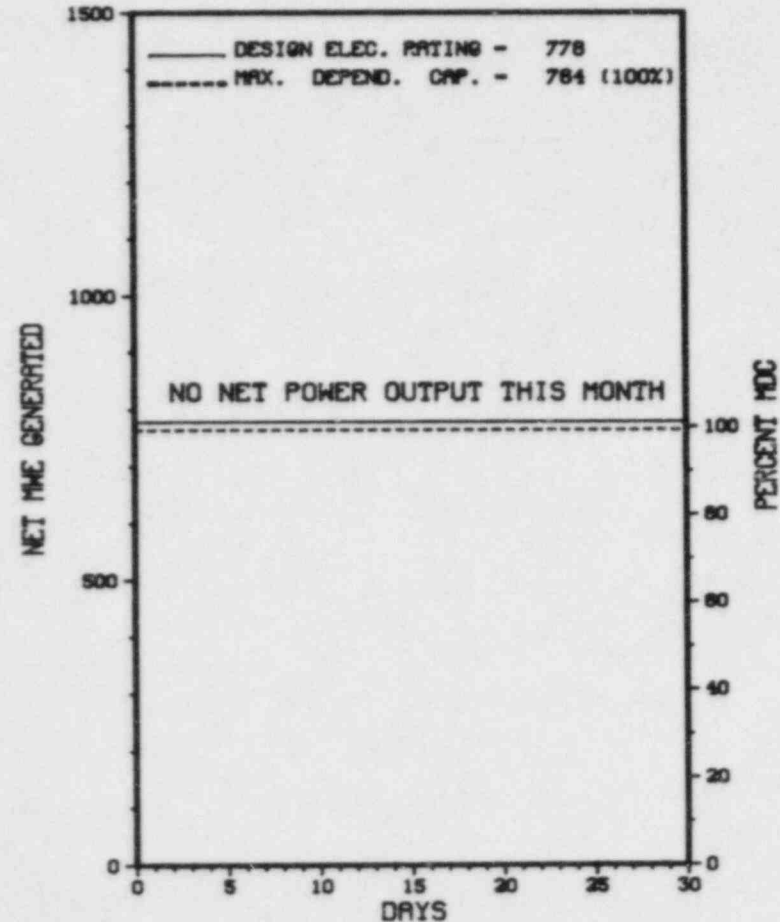
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/85

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

COOPER STATION REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

* COOPER STATION *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED SEPTEMBER 10, 13, AND 14, 1984 (84-17)

ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S OFFSITE REVIEW COMMITTEE (SAFETY REVIEW AND AUDIT BOARD - SRAB), AND OFFSITE SUPPORT STAFF. NO VIOLATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED SEPTEMBER 1-30, 1984 (84-18)

ROUTINE, ANNOUNCED INSPECTION OF OPERATIONAL SAFETY VERIFICATIONS, MONTHLY SURVEILLANCE AND MAINTENANCE OBSERVATIONS, LICENSEE EVENT FOLLOWUP, CORE POWER DISTRIBUTION LIMITS SURVEILLANCE, LOCAL POWER RANGE MONITOR SYSTEM CALIBRATION, AVERAGE POWER RANGE MONITOR SYSTEM CALIBRATION, CORE THERMAL POWER EVALUATION, REFUELING ACTIVITIES, SPENT FUEL POOL ACTIVITIES, PLANT SHUTDOWN, AND AN MANAGEMENT MEETING WITH THE LICENSEE. ONE VIOLATION WAS IDENTIFIED (FAILURE TO FOLLOW PROCEDURE 6.3.9.4).

ENFORCEMENT SUMMARY

FAILURE TO ACCURATELY PERFORM TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE TEST 6.2.4.1.
(8415 4)

Report Period NOV 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)

X COOPER STATION X

ENFORCEMENT SUMMARY

FAILURE TO ADHERE TO TECHNICAL SPECIFICATION REQUIRED SURVEILLANCE PROCEDURE 6.3.9.4.
(8418 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUTDOWN FOR BWR RECIRCULATION SYSTEM PIPING REPLACEMENT

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

INSPECTION REPORT NO: 50-298/8418

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: 50-302 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>67,680.0</u>
13. Hours Reactor Critical	<u>597.5</u>	<u>7,602.5</u>	<u>45,172.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>591.5</u>	<u>7,554.8</u>	<u>44,173.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>1,339,092</u>	<u>17,982,310</u>	<u>99,946,645</u>
18. Gross Elec Ener (MWh)	<u>464,808</u>	<u>6,202,406</u>	<u>34,129,142</u>
19. Net Elec Ener (MWh)	<u>441,303</u>	<u>5,910,038</u>	<u>32,427,121</u>
20. Unit Service Factor	<u>82.2</u>	<u>94.0</u>	<u>65.3</u>
21. Unit Avail Factor	<u>82.2</u>	<u>94.0</u>	<u>65.3</u>
22. Unit Cap Factor (MDC Net)	<u>74.7</u>	<u>89.5</u>	<u>58.4</u>
23. Unit Cap Factor (DER Net)	<u>74.3</u>	<u>89.1</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.0</u>	<u>20.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>73.9</u>	<u>11,689.2</u>

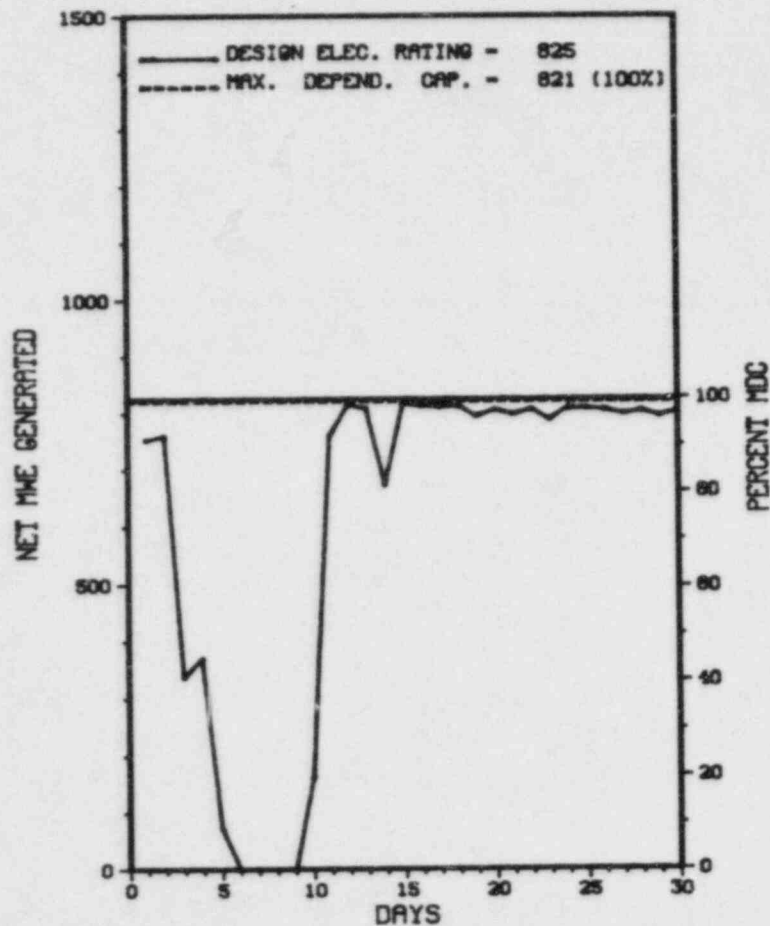
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: MARCH 9, 1985, 20 WEEKS

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-30	11/02/84	F	0.0	A	5		RB	CRDRVE	CONTROL ROD DROPPED INTO CORE AUTOMATICALLY. PLANT OPERATED AT REDUCED POWER.
84-31	11/05/84	S	128.5	B	1		RB	CRDRVE	SHUTDOWN TO REPLACE THE CONTROL ROD DRIVE STATOR.
84-32	11/14/84	F	0.0	A	5		RB	CRDRVE	HIGH CONTROL ROD STATOR TEMPERATURE.

 * SUMMARY *

 CRYSTAL RIVER 3 OPERATED ROUTINELY DURING 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)

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period NOV 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 SEPTFMBER 28 - OCTOBER 23 (84-29): THIS ROUTINE INSPECTION INVOLVED 93 INSPECTOR-HOURS ON SITE BY ONE RESIDENT INSPECTOR 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. ONE VIOLATION WAS IDENTIFIED: (FAILURE TO FOLLOW SURVEILLANCE PROCEDURES).

INSPECTION NOVEMBER 5-9 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE (TWO HOURS ON BACKSHIFT) INSPECTING: SECURITY PLAN AND IMPLEMENTING PROCEDURES, MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS, ASSESSMENT AIDS, ACCESS CONTROL - PERSONNEL, DETECTION AIDS - PROTECTED AREA, AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1.E REQUIRES THAT THE LICENSEE MAINTAIN WRITTEN PROCEDURES FOR EMERGENCY PLAN IMPLEMENTATION. THE LICENSEE FAILED TO DELETE EMERGENCY PLAN IMPLEMENTING PROCEDURES EM-203 AND EM-207 AFTER THEY HAD BEEN CONSOLIDATED INTO, AND SUPERSEDED BY, REVISION 23 OF EM-202. PROCEDURES EM-203 AND EM-207 WERE FOUND IN MANUALS CONTAINING CONTROLLED COPIES OF EMERGENCY PLAN IMPLEMENTING PROCEDURES AND WERE STILL IN EFFECT.

Report Period NOV 1984

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

* CRYSTAL RIVER 3 *

ENFORCEMENT SUMMARY

(8428 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: NOVEMBER 5-9, 1984 +

INSPECTION REPORT NO: 50-302/84-31 +

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-019	10/10/84	11/09/84	SUMP PUMPS IN TUNNEL CONTAINING DC CONTROL FEEDS SHALL BE VERIFIED OPERABLE.

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

2. Reporting Period: 11/01/84 Outage : On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>55,561.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,529.0</u>	<u>33,031.4</u>
14. Rx Reserva 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>68.3</u>	<u>56.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.3</u>	<u>60.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>61.1</u>	<u>48.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>58.9</u>	<u>46.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.0</u>	<u>17.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>677.5</u>	<u>7,261.5</u>

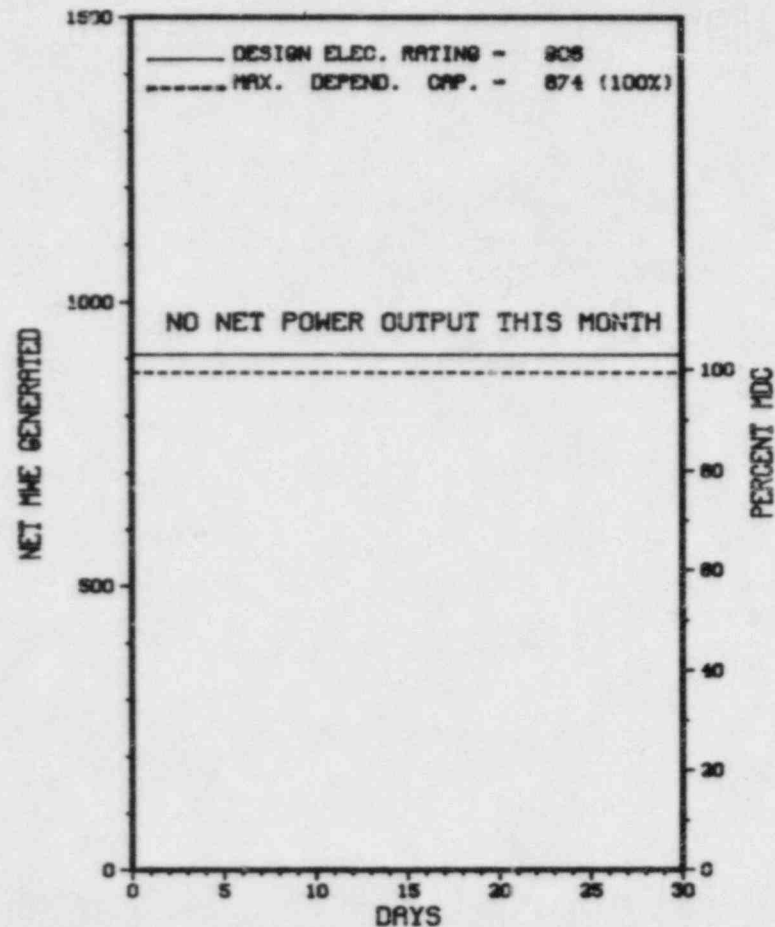
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

X DAVIS-BESSE 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



NOVEMBER 1984

Report Period NOV 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	720.0	C	4			REFUELING AND MAINTENANCE OUTAGE CONTINUES.

***** DAVIS-BESSE 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/MAINTENANCE OUTAGE.
* SUMMARY *

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)

* DAVIS-BESSE 1 *

FACILITY DATA

Report Period NOV 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 AUGUST 28 - OCTOBER 1, (84-20): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; INDEPENDENT INSPECTION; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; AND PLANT TRIP. THE INSPECTION INVOLVED A TOTAL OF 159 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS INCLUDING 50 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATION WERE IDENTIFIED IN FIVE AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND OPERATIONAL SAFETY VERIFICATION.

INSPECTION ON OCTOBER 1-5, (84-24): ROUTINE UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM DURING REFUELING AND MAINTENANCE ACTIVITIES INCLUDING: INTERNAL AND EXTERNAL EXPOSURE CONTROL; CONTAMINATION CONTROL; HEALTH PHYSICS COVERAGE; ALARA PROGRAM; CONTRACTOR HEALTH PHYSICS TECHNICIAN TRAINING; INSTRUMENT CALIBRATION; AND SELECTED OPEN ITEMS. THE INSPECTION INVOLVED 58 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS. NO APPARENT VIOLATIONS WERE IDENTIFIED.

MEETING ON OCTOBER 11, (84-27): A SPECIAL MEETING WAS CONDUCTED TO DISCUSS INSPECTION FINDINGS RESULTING FROM REGION III'S OBSERVATIONS OF THE JULY 31, 1984, EMERGENCY PREPAREDNESS EXERCISE OF THE DAVIS-BESSE NUCLEAR POWER STATION. THE MEETING INVOLVED 8 INSPECTOR-HOURS BY TWO NRC INSPECTORS.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 6.8.1 STATES, IN PART, "WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE ACTIVITIES REFERENCED IN APPENDIX "A" OF REGULATORY GUIDE 1.33, NOVEMBER, 1972. SECTION 1 OF APPENDIX A OF REGULATORY GUIDE 1.33, NOVEMBER, 1972 IS ADMINISTRATIVE PROCEDURES. CONTRARY TO THE ABOVE, ADMINISTRATIVE PROCEDURES WERE NOT ADHERED TO IN THAT: (A) THE INOPERABILITY OF THE #2 CONTROL ROOM EMERGENCY VENTILATION SYSTEM (CREVS) FREON COMPRESSOR WAS NOT REPORTED TO THE SHIFT SUPERVISOR DURING THE PERFORMANCE OF TP 641.00 AS REQUIRED BY ADMINISTRATIVE PROCEDURE AD 1839.00, (B) THE SHIFT SUPERVISOR WAS NOT INFORMED OF THE FACT THAT THE PRESSURE DOOR CONNECTING THE TWO AUXILIARY FEEDWATER PUMP ROOMS WAS LEFT OPEN AND UNATTENDED, POTENTIALLY RENDERING BOTH AFW PUMPS INOPERABLE AS REQUIRED BY ADMINISTRATIVE PROCEDURE AD 1839, (C) A TEST LEADER FOR THE PERFORMANCE OF TEST PROCEDURE TP 641.00 WAS NOT ASSIGNED AS REQUIRED BY ADMINISTRATIVE PROCEDURE AD 1801.00, (D) A CHRONOLOGICAL LOG WAS NOT MAINTAINED TO DOCUMENT TEST ACTIVITIES DURING THE PERFORMANCE OF TEST TP 641.00 AS REQUIRED BY ADMINISTRATIVE PROCEDURE AD 1801.00, (E) PROPER ADMINISTRATIVE CONTROL OF THE "CONTROL COPY" OF TEST PROCEDURE TP 641.00 WAS NOT MAINTAINED AS REQUIRED BY ADMINISTRATIVE PROCEDURE AD 1801 IN THAT THE TEST PROCEDURE WAS REMOVED FROM THE STATION FOR A PERIOD OF FOUR DAYS. (F) A DEVIATION REPORT IDENTIFYING PROCEDURAL VIOLATIONS WAS NOT GENERATED AS REQUIRED BY AD 1807.00.

(8420 4)

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: NOVEMBER 26-30, 1984

INSPECTION REPORT NO: 84-30

Report Period NOV 1984

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

* DAVIS-BESSE 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-14	09/21/84	10/19/84	LEAKAGE OF CONTAINMENT ISOLATION VALVES FOUND BY LOCAL LEAK RATE TESTING
84-15	10/25/84	11/23/84	VELAN CHECK VALVE ANTIROTATION BINDING

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-275 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVID P. SISK (805) 595-7351

4. Licensed Thermal Power (Mwt): 3338

5. Nameplate Rating (Gross MWe): 1170

6. Design Electrical Rating (Net MWe): 1084

7. Maximum Dependable Capacity (Gross MWe): 1134

8. Maximum Dependable Capacity (Net MWe): 1084

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

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>478.0</u>	<u>478.0</u>	<u>478.0</u>
13. Hours Reactor Critical	<u>254.0</u>	<u>254.0</u>	<u>254.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>190.0</u>	<u>190.0</u>	<u>190.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>167,071</u>	<u>167,071</u>	<u>167,071</u>
18. Gross Elec Ener (MWH)	<u>40,900</u>	<u>40,900</u>	<u>40,900</u>
19. Net Elec Ener (MWH)	<u>16,027</u>	<u>16,027</u>	<u>16,027</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>80.0</u>	<u>80.0</u>	<u>80.0</u>

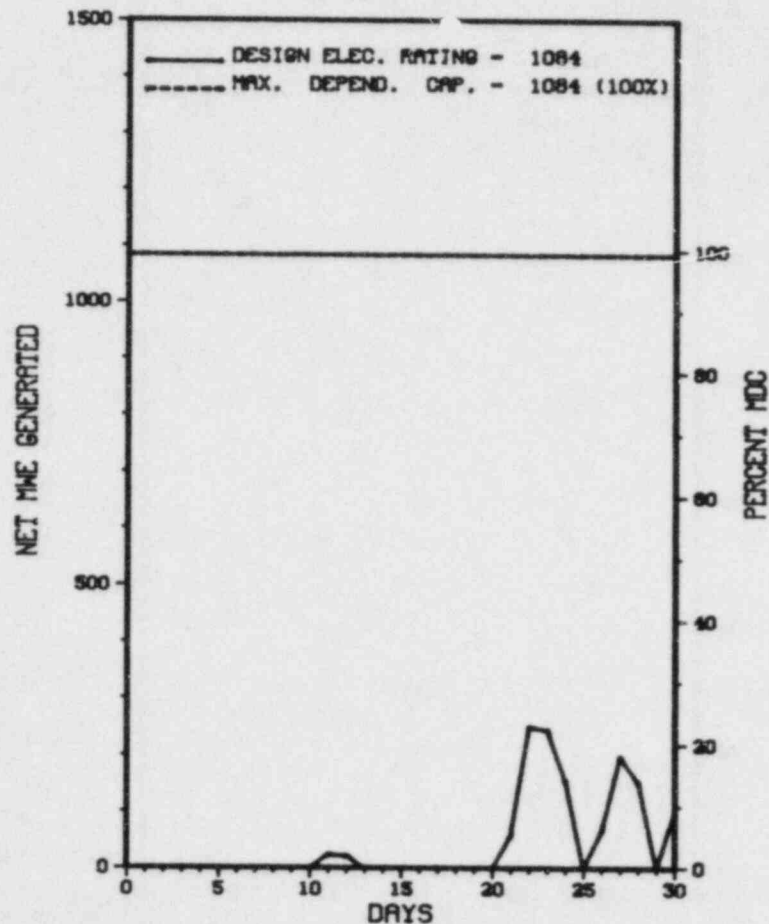
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* DIABLO CANYON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DIABLO CANYON 1



NOVEMBER 1984

 * DIABLO CANYON 1 *

UNIT SHUTDOWNS / REDUCTIONS

Report Period NOV 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
1	11/13/84	S	208.0	B	1			SHUTDOWN FOR TURBINE OVERSPEED TEST. MAINTENANCE ON AFW-1-1 PUMP, DRAIN & CLEAN LUBE OIL RESERVOIRS FOR MAIN TURBINE & FEEDWATER PUMPS.
2	11/24/84	F	44.0	A	3	84-030	IT PT	TRIP CAUSED BY LOOSE CONNECTION ON TURBINE CONTROL SYSTEM TOGETHER WITH INCORRECT WIRING CONNECTION ON STEAM DUMPS LOGIC CIRCUIT. CONNECTION PROBLEMS CORRECTED. ERRONEOUS WIRING DIAGRAM THAT CAUSED INCORRECT CONNECTIONS HAS BEEN CORRECTED.
3	11/28/84	F	36.0	A	3	84-031	JB FC0	CONTROLLER TO FLOW CONTROL VALVE FAILED. CONTROLLER REPLACED. OPERATOR FAILED TO MAINTAIN ADEQUATE WATCH ON SG WATER LEVEL. EVENT REVIEWED WITH OPERATORS INVOLVED.

 * SUMMARY *

DIABLO CANYON 1 GENERATED INITIAL NUCLEAR POWER ON NOVEMBER 11, 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)

 * DIABLO CANYON 1 *

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

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION STATE.....CALIFORNIA
 COUNTY.....SAN LUIS OBISPO
 DIST AND DIRECTION FROM NEAREST POPULATION CTR....12 MI WSW OF SAN LUIS OBISPO
 TYPE OF REACTOR.....PWR
 DATE INITIAL CRITICALITY...APRIL 29, 1984
 DATE ELEC ENER 1ST GENER...NOVEMBER 11, 1984
 DATE COMMERCIAL OPERATE.....*****
 CONDENSER COOLING METHOD...ONCE THRU
 CONDENSER COOLING WATER....PACIFIC OCEAN
 ELECTRIC RELIABILITY COUNCIL.....WESTERN SYSTEMS COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....PACIFIC GAS & ELECTRIC
 CORPORATE ADDRESS.....77 BEALE STREET SAN FRANCISCO, CALIFORNIA 94106
 CONTRACTOR ARCHITECT/ENGINEER.....PACIFIC GAS & ELECTRIC
 NUC STEAM SYS SUPPLIER...WESTINGHOUSE
 CONSTRUCTOR.....PACIFIC GAS & ELECTRIC
 TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
 IE RESIDENT INSPECTOR.....J. CARLSON
 LICENSING PROJ MANAGER.....H. SCHIERLING
 DOCKET NUMBER.....50-275
 LICENSE & DATE ISSUANCE....DPR-76, NOVEMBER 2, 1984
 PUBLIC DOCUMENT ROOM.....ROBERT E. KENNEDY LIBRARY CALIFORNIA POLYTECHNIC STATE UNIVERSITY SAN LUIS OBISPO, CA. 93407

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DIABLO CANYON 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Report Period NOV 1984 I N S P E C T I O N S T A T U S - (CONTINUED)

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

=====

NUMBER DATE OF DATE OF SUBJECT
 EVENT REPORT

INFO. NOT SUPPLIED BY REGION

=====

1. Docket: 50-237 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>127,560.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>14,643,422</u>	<u>191,381,018</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,701,587</u>	<u>61,204,754</u>
19. Net Elec Ener (MWH)	<u>-5,239</u>	<u>4,463,118</u>	<u>57,860,562</u>
20. Unit Service Factor	<u>.0</u>	<u>79.6</u>	<u>73.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>79.6</u>	<u>73.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>71.9</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>69.9</u>	<u>57.1</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>

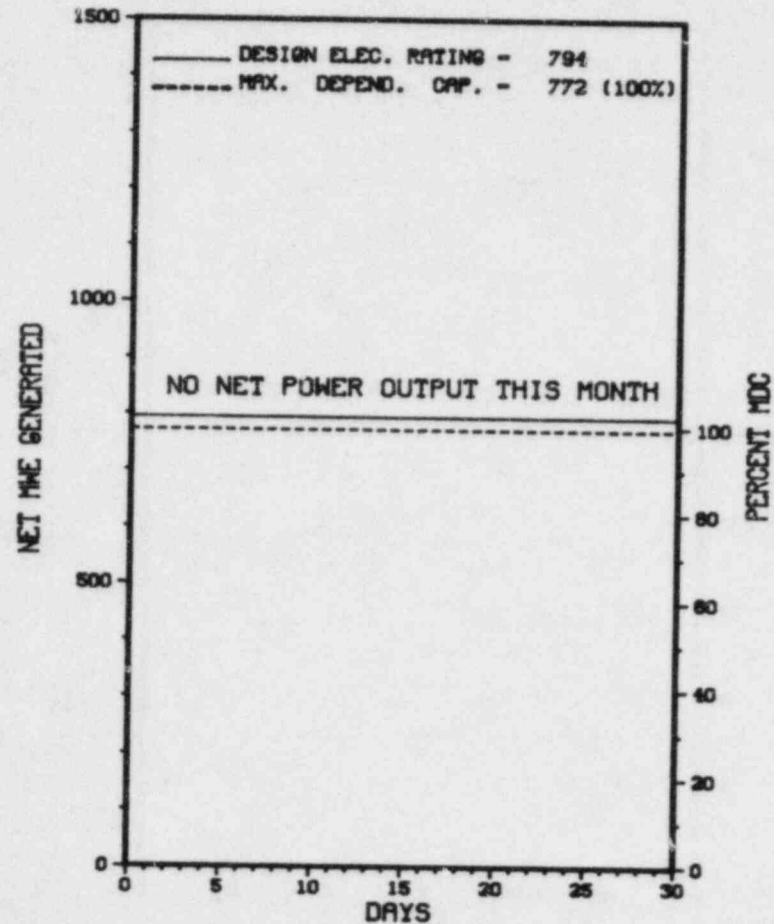
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 01/15/85

* DRESDEN 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
5	10/05/84	S	720.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

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

<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)

* DRESDEN 2 *

FACILITY DATA

Report Period NOV 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 DURING THE PERIOD OF SEPTEMBER 12 THROUGH OCTOBER 17, (84-18): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PART 21 REPORTS, OPERATIONAL SAFETY, FOLLOWUP OF EVENTS, I.E. BULLETINS, SURVEILLANCES, MAINTENANCE, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, THREE MILE ISLAND MODIFICATIONS AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 256 INSPECTOR-HOURS ONSITE BY 6 NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OF DEVIATIONS WERE IDENTIFIED IN 10 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED WITH EXAMPLES IN TWO AREAS (INADEQUATE PROCEDURES - PARAGRAPHS 4.B AND 6).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, INPART REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED AND ACCOMPLISHED BY DOCUMENTED PROCEDURES SHOWING APPROPRIATE ACCEPTANCE CRITERIA. DRESDEN ADMINISTRATIVE PROCEDURE DAP 7-2 "CONDUCT OF SHIFT OPERATIONS" REQUIRES NUCLEAR STATION OPERATORS (NSO'S) AND SHIFT SUPERVISORS TO REVIEW LOGS AND PANELS WHEN STARTING THE SHIFT, AND MAN POSITIONS UNTIL THE ONCOMING INDIVIDUAL IS SATISFIED HE HAS RECEIVED A COMPLETE TURNOVER. DRESDEN ADMINISTRATIVE PROCEDURE DAP 7-5, "OPERATING LOGS" REQUIRES LOGGING ALARMS AND ABNORMAL CONDITIONS THAT ARE OTHER THAN THE RESULT OF "NORMAL OPERATIONS". DRESDEN ANNUNCIATOR PROCEDURES DOA 923-5 C-1 AND 902(3)-4 E-19; "REACTOR BUILDING 2 LOW DP" AND RX-TURB. BLDG. 517' INTERLOCK DOORS INOPERATIVE OR BYPASSED" RESPECTIVELY REQUIRE INVESTIGATION THROUGH OPERATOR ACTIONS WHEN THEY OCCUR. CONTRARY TO THE ABOVE, ON AUGUST 29, 1984, THE INSPECTOR NOTED SIMULTANEOUS ALARMS IN THE CONTROL ROOM SHOWING A "REACTOR BUILDING

Report Period NOV 1984

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

* DRESDEN 2 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-20	10/10/84	11/07/84	INOPERABLE FIRE HOSE REELS
84-21	10/12/84	11/08/84	CRD K-8 "FULL-IN" CIRCUIT JUMPERED DURING REFUEL

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-249 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>8,040.0</u>	<u>117,145.0</u>
13. Hours Reactor Critical	<u>700.5</u>	<u>3,145.0</u>	<u>85,980.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>684.2</u>	<u>2,567.1</u>	<u>82,429.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,593,012</u>	<u>5,325,722</u>	<u>165,288,726</u>
18. Gross Elec Ener (MWH)	<u>517,812</u>	<u>1,658,821</u>	<u>53,611,730</u>
19. Net Elec Ener (MWH)	<u>494,813</u>	<u>1,550,406</u>	<u>50,780,989</u>
20. Unit Service Factor	<u>95.0</u>	<u>31.9</u>	<u>70.4</u>
21. Unit Avail Factor	<u>95.0</u>	<u>31.9</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>88.9</u>	<u>24.9</u>	<u>56.1</u>
23. Unit Cap Factor (DER Net)	<u>86.6</u>	<u>24.3</u>	<u>54.6</u>
24. Unit Forced Outage Rate	<u>5.0</u>	<u>17.6</u>	<u>12.8</u>
25. Forced Outage Hours	<u>35.8</u>	<u>547.5</u>	<u>6,962.7</u>

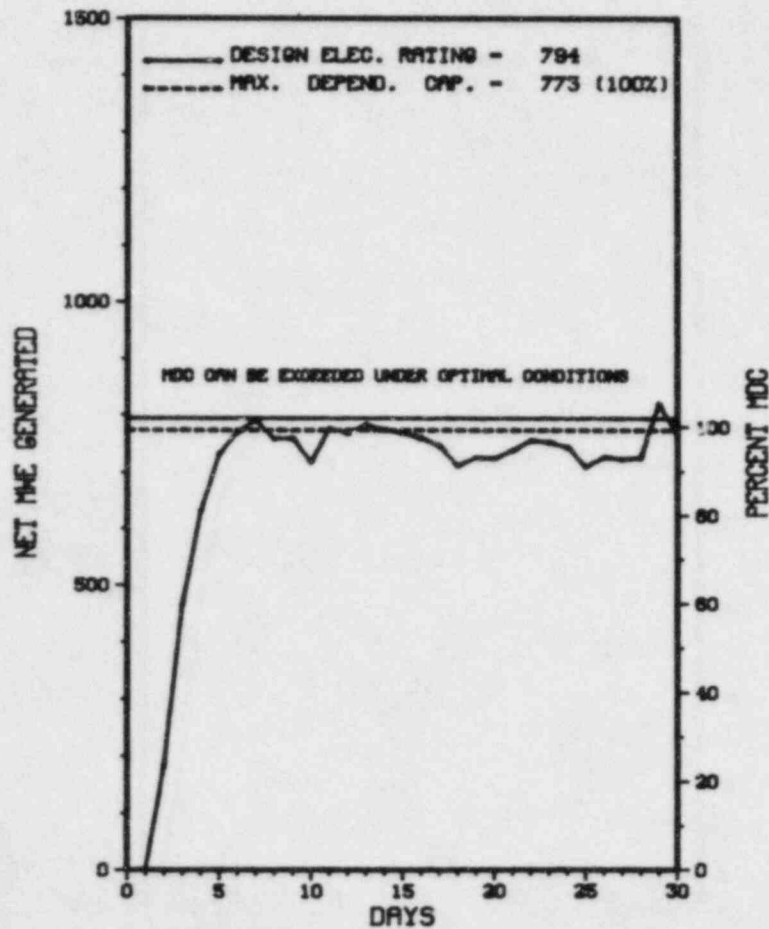
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* DRESDEN 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DRESDEN 3



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
10	10/26/84	F	35.8	A	4			LOW CONDENSER VACUUM.

* SUMMARY *

DRESDEN 3 RETURNED ONLINE NOVEMBER 2ND FROM AN EQUIPMENT FAILURE OUTAGE AND OPERATED ROUTE _LY 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)

* DRESDEN 3 *

FACILITY DATA

Report Period NOV 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 DURING THE PERIOD OF SEPTEMBER 12 THROUGH OCTOBER 17, (84-17): ROUTINE UNANNOUNCED RESIDENT INSPECTION OF PART 21 REPORTS, OPERATIONAL SAFETY, FOLLOWUP OF EVENTS, I.E. BULLETINS, SURVEILLANCES, MAINTENANCE, REFUELING ACTIVITIES, LICENSEE EVENT REPORTS, UNIT 1 CHEMICAL CLEANING, SPENT FUEL SHIPMENTS, THREE MILE ISLAND MODIFICATIONS AND REPORT REVIEW. THE INSPECTION INVOLVED A TOTAL OF 256 INSPECTOR-HOURS ONSITE BY 6 NRC INSPECTORS INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE TWELVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OF DEVIATIONS WERE IDENTIFIED IN 10 AREAS; ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED WITH EXAMPLES IN TWO AREAS (INADEQUATE PROCEDURES - PARAGRAPHS 4.B AND 6).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, INPART REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED AND ACCOMPLISHED BY DOCUMENTED PROCEDURES SHOWING APPROPRIATE ACCEPTANCE CRITERIA. DRESDEN ADMINISTRATIVE PROCEDURE DAP 7-2 "CONDUCT OF SHIFT OPERATIONS" REQUIRES NUCLEAR STATION OPERATORS (NSO'S) AND SHIFT SUPERVISORS TO REVIEW LOGS AND PANELS WHEN STARTING THE SHIFT, AND MAN POSITIONS UNTIL THE ONCOMING INDIVIDUAL IS SATISFIED HE HAS RECEIVED A COMPLETE TURNOVER. DRESDEN ADMINISTRATIVE PROCEDURE DAP 7-5, "OPERATING LOGS" REQUIRES LOGGING ALARMS AND ABNORMAL CONDITIONS THAT ARE OTHER THAN THE RESULT OF "NORMAL OPERATIONS". DRESDEN ANNUNCIATOR PROCEDURES DOA 923-5 C-1 AND 902(3)-4 E-19; "REACTOR BUILDING 2 LOW DP" AND RX-TURB. BLDG. 517' INTERLOCK DOORS INOPERATIVE OR BYPASSED" RESPECTIVELY REQUIRE INVESTIGATION THROUGH OPERATOR ACTIONS WHEN THEY OCCUR. CONTRARY TO THE ABOVE, ON AUGUST 29, 1984, THE INSPECTOR NOTED SIMULTANEOUS ALARMS IN THE CONTROL ROOM SHOWING A "REACTOR BUILDING

Report Period NOV 1984

REPORTS FROM LICENSEE

* DRESDEN 3 *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-16	10/14/84	11/07/84	REACTOR SCRAM
84-17	10/14/84	11/07/84	UNIT 3 REACTOR SCRAM
84-18	10/20/84	11/15/84	UNIT 3 REACTOR SCRAM
84-19	10/24/84	11/14/84	AS FOUND TEST FAILURE OF TYPE B AND C TESTS
84-20	10/26/84	11/19/84	UNIT 3 REACTOR SCRAM

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-331 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): 536

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>720.0</u>	<u>8,040.0</u>	<u>86,184.0</u>
13. Hours Reactor Critical	<u>506.1</u>	<u>5,883.1</u>	<u>61,818.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>130.3</u>	<u>130.3</u>
15. Hrs Generator On-Line	<u>459.4</u>	<u>5,661.0</u>	<u>60,103.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>408,974</u>	<u>7,750,793</u>	<u>75,499,355</u>
18. Gross Elec Ener (MWH)	<u>131,431</u>	<u>2,574,218</u>	<u>25,268,275</u>
19. Net Elec Ener (MWH)	<u>121,705</u>	<u>2,418,436</u>	<u>23,654,806</u>
20. Unit Service Factor	<u>63.8</u>	<u>70.4</u>	<u>69.7</u>
21. Unit Avail Factor	<u>63.8</u>	<u>70.4</u>	<u>69.7</u>
22. Unit Cap Factor (MDC Net)	<u>32.8</u>	<u>58.4</u>	<u>53.3</u>
23. Unit Cap Factor (DER Net)	<u>31.4</u>	<u>55.9</u>	<u>51.0</u>
24. Unit Forced Outage Rate	<u>36.2</u>	<u>15.7</u>	<u>17.1</u>
25. Forced Outage Hours	<u>260.6</u>	<u>1,050.5</u>	<u>12,384.8</u>

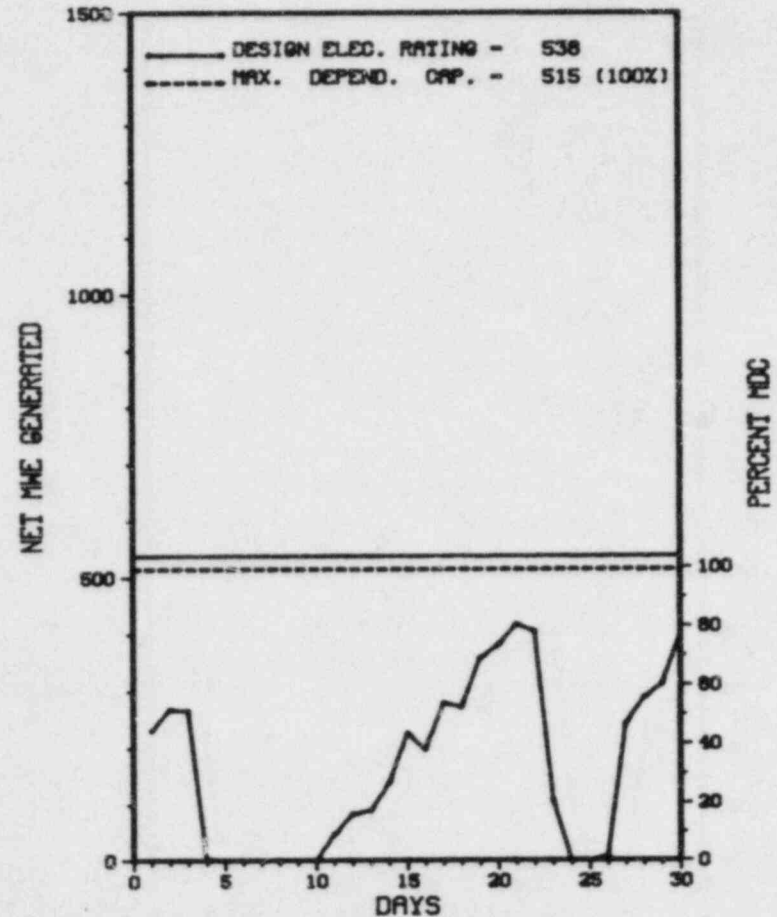
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* DUANE ARNOLD *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DUANE ARNOLD



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	11/04/84	F	177.7	A	3	84-040	EA	XFMR	INTERNAL SHORTING IN AUXILIARY TRANSFORMER.
10	11/23/84	F	82.9	A	3	84-042	EA	XFMR	EXTERNAL ARCING ON STARTUP TRANSFORMER (BUSHING TO TRANSFORMER TANK) AS A RESULT OF SPURIOUS FIRE SUPPRESSION DELUGE ACTIVATION CAUSED STARTUP TRANSFORMER TRIP.

 * SUMMARY *

 DUANE ARNOLD OPERATED WITH 2 OUTAGES DURING NOVEMBER.

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		

* DUANE ARNOLD *

FACILITY DATA

Report Period NOV 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.....CEDAR RAPIDS PUBLIC LIBRARY
500 FIRST STREET, 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 FROM JULY 18 - 26, (84-11): SPECIAL ANNOUNCED INSPECTION OF THE SEQUENCE OF EVENTS ON JULY 18, 1984, CONCERNING THE INOPERABILITY OF THE STANDBY LIQUID CONTROL SYSTEM. THE INSPECTION INVOLVED A TOTAL OF 36 INSPECTOR-HOURS BY ONE NRC INSPECTOR INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. ONE VIOLATION WAS IDENTIFIED.

INSPECTION ON JULY 26 - SEPTEMBER 25, (84-12): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTIONS ON PREVIOUS ITEMS; OPERATIONS; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 101 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 11 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE SIX AREAS INSPECTED, ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 3.4.A.1 REQUIRES THAT DURING NORMAL SYSTEM AVAILABILITY THE STANDBY LIQUID CONTROL SYSTEM BE OPERABLE. TECHNICAL SPECIFICATION 6.8.1.6 STATES IN PART, "DETAILED WRITTEN PROCEDURES INVOLVING NUCLEAR SAFETY...INCLUDING SURVEILLANCE AND TESTING REQUIREMENTS,...SHALL BE PREPARED. ALL PROCEDURES SHALL BE ADHERED TO." SURVEILLANCE TEST PROCEDURE 44C001, "STANDBY LIQUID CONTROL SYSTEM BORON CONCENTRATION TEST," REQUIRES BY STEP 4.2 THAT VALVE V-26-11 BE UNLOCKED AND OPEN. OPERATING INSTRUCTION NO. 53 "STANDBY LIQUID CONTROL SYSTEM," REQUIRES IN ATTACHMENT 2, "SYSTEM VALVE LINE UP", THAT VALVE V-26-01 BE LOCKED IN THE OPEN POSITION DURING PLANT OPERATION. CONTRARY TO THE ABOVE, DURING THE PERFORMANCE OF SURVEILLANCE TEST PROCEDURE

ENFORCEMENT SUMMARY

44C001 ON JULY 18, 1984, WHILE THE PLANT WAS OPERATING, A CHEMISTRY TECHNICIAN UNLOCKED AND CLOSED VALVE V-26-01, RATHER THAN UNLOCKING AND OPENING VALVE V-26-11 AS REQUIRED BY THE PROCEDURE. THE CLOSING OF VALVE V-26-01 RENDERED THE STANDBY LIQUID CONTROL SYSTEM INOPERABLE FOR APPROXIMATELY FIVE HOURS. THE TECHNICIAN HAD NO AUTHORIZATION AND WAS NOT QUALIFIED TO CONDUCT THE PROCEDURE.

(8411 3)

TECHNICAL SPECIFICATION SECTION 3.7.C.1 STATES: "SECONDARY CONTAINMENT INTEGRITY SHALL BE MAINTAINED DURING ALL MODES OF PLANT OPERATION EXCEPT WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET. THE REACTOR IS SUBCRITICAL AND SPECIFICATION 3.3.A IS MET. THE REACTOR WATER TEMPERATURE IS BELOW 212 DEGREE F AND THE REACTOR COOLANT SYSTEM IS VENTED. NO ACTIVITY IS BEING PERFORMED WHICH CAN REDUCE THE SHUTDOWN MARGIN BELOW THAT SPECIFIED IN SPECIFICATION 3.3.A. THE FUEL CASK OR IRRADIATED FUEL IS NOT BEING MOVED IN THE REACTOR BUILDING." CONTRARY TO THE ABOVE ON AUGUST 21, 1984, WITH NONE OF THE CONDITIONS MET, SECONDARY CONTAINMENT WAS DELIBERATELY VIOLATED BY TWO LICENSEE PERSONNEL.

(8412 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY.

LAST IE SITE INSPECTION DATE: NOVEMBER 23-24, 1984

INSPECTION REPORT NO: 84-17

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-38	10/29/84	11/28/84	SECONDARY CONTAINMENT AIRLOCK INTERLOCK MALFUNCTIONS
84-39	11/01/84	11/30/84	UNPLANNED RMCU ISOLATION

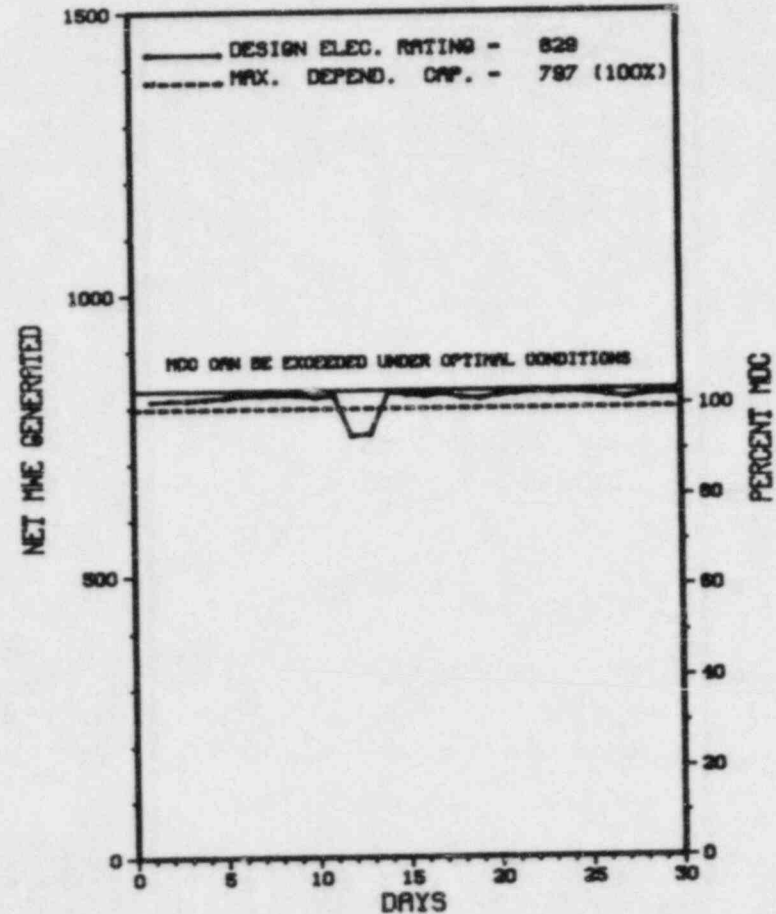
1. Docket: 50-348 OPERATING STATUS
2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720,0
3. Utility Contact: J. D. WOODARD (205) 899-5156
4. Licensed Thermal Power (Mwt): 2652
5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (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>720.0</u>	<u>8,040.0</u>	<u>61,368.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,261.8</u>	<u>41,385.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,177.0</u>	<u>40,280.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,898,355</u>	<u>15,900,262</u>	<u>102,001,786</u>
18. Gross Elec Ener (MWH)	<u>618,148</u>	<u>5,132,994</u>	<u>32,374,858</u>
19. Net Elec Ener (MWH)	<u>586,670</u>	<u>4,842,136</u>	<u>30,543,198</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.8</u>	<u>65.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.8</u>	<u>65.6</u>
22. Unit Cap Factor (MDC Net)	<u>102.2</u>	<u>75.2</u>	<u>62.4*</u>
23. Unit Cap Factor (DER Net)	<u>98.3</u>	<u>72.6</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>13.5</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):
REFUELING/MAINTENANCE OUTAGE, 4/5/85, 5 WEEKS
27. If Currently Shutdown Estimated Startup Date: N/A

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 1 *

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

NONE

* SUMMARY *

FARLEY 1 OPERATED AT FULL POWER DURING NOVEMBER.

<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
	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 1 *

FACILITY DATA

Report Period NOV 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 11 - OCTOBER 10 (84-23): THIS ROUTINE INSPECTION ENTAILED 96 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, SPENT FUEL STORAGE RACKS, UNIT 1 TURBINE VALVE TESTING, DESIGN CHANGES AND MODIFICATION, ENGINEERED SAFETY SYSTEM WALKDOWN, NON-ROUTINE LICENSEE EVENT REPORTS, AND NEW FUEL INSPECTION AND STORAGE. TWO VIOLATIONS WERE IDENTIFIED. VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION VII AND XII.

INSPECTION SEPTEMBER 25-28 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS IN THE AREAS OF RADIOLOGICAL EMERGENCY PLANNING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION VII, AS IMPLEMENTED BY THE LICENSEE'S APPROVED OPERATIONS QUALITY ASSURANCE MANUAL (OQLM), REQUIRES THE LICENSEE TO ESTABLISH MEASURES TO ASSURE THAT PURCHASED SERVICES CONFORM TO PROCUREMENT DOCUMENTS. SECTION 7.4.1.B.(2) OF THE OQAM REQUIRES THE LICENSEE TO SUPERVISE AND MONITOR ON-SITE VENDOR SERVICES FOR COMPLIANCE WITH QUALITY REQUIREMENTS OF PROCUREMENT DOCUMENTS. PROCUREMENT DOCUMENT AP-10744, SECTION 5.2.3, REQUIRED THE IMPOSITION OF STRICT ADMINISTRATIVE PROCEDURES TO CONTROL HEAVY LOADS DURING UNIT 1 SPENT FUEL POOL RERACK. CONTRARY TO THE ABOVE, THE LICENSEE DID NOT ESTABLISH MEASURES TO ASSURE THAT PURCHASED SERVICES CONFORMED TO PROCUREMENT DOCUMENTS IN THAT STRICT ADMINISTRATIVE CONTROLS

1. Docket: 50-364 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>8,040.0</u>	<u>29,281.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>7,646.8</u>	<u>26,183.6</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>7,562.5</u>	<u>25,861.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,906,767</u>	<u>19,743,227</u>	<u>66,653,919</u>
18. Gross Elec Ener (MWH)	<u>626,882</u>	<u>6,382,032</u>	<u>21,368,880</u>
19. Net Elec Ener (MWH)	<u>598,478</u>	<u>6,070,760</u>	<u>20,270,786</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.1</u>	<u>88.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.1</u>	<u>88.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>93.0</u>	<u>85.6</u>
23. Unit Cap Factor (DER Net)	<u>100.3</u>	<u>91.1</u>	<u>83.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.9</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>477.5</u>	<u>1,509.3</u>

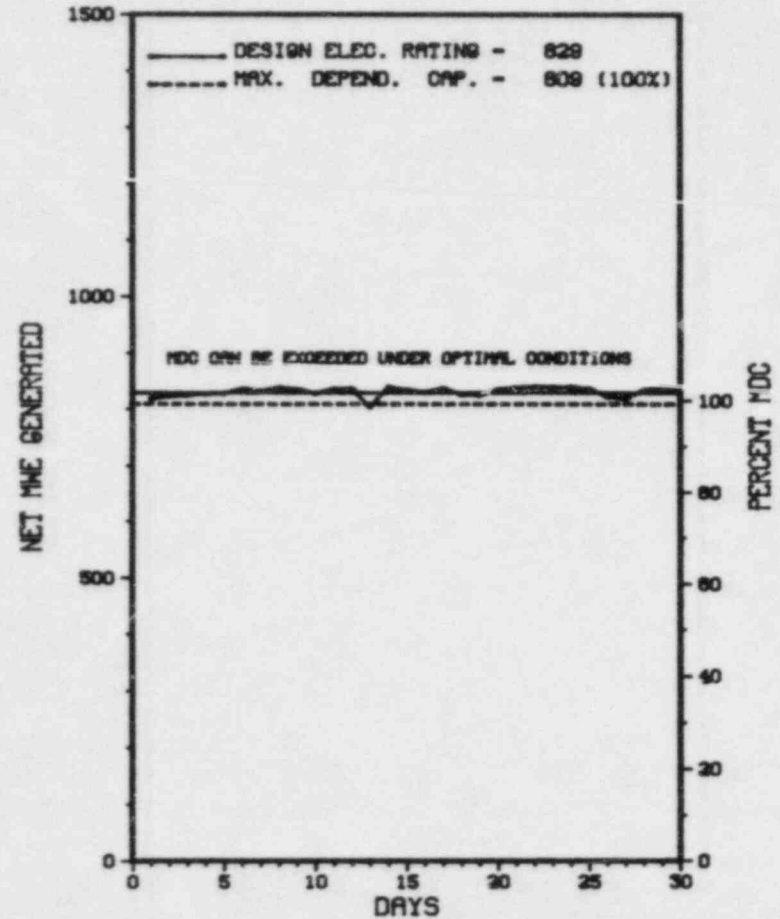
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE OUTAGE 1/4/85, 5 1/2 WKS

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FARLEY 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* FARLEY 2 *

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

NONE

* SUMMARY *

FARLEY 2 OPERATED AT FULL POWER DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 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 11 - OCTOBER 10 (84-23): THIS ROUTINE INSPECTION ENTAILED 90 INSPECTOR-HOURS ON SITE IN THE AREAS OF MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, INDEPENDENT INSPECTION EFFORT, DESIGN CHANGES AND MODIFICATION, ENGINEERED SAFETY SYSTEM WALKDOWN, MAIN STEAM ISOLATION VALVES, NON-ROUTINE LICENSEE EVENT REPORTS, AND NEW FUEL INSPECTION AND STORAGE. TWO VIOLATIONS WERE IDENTIFIED. VIOLATION OF 10 CFR 50, APPENDIX B, CRITERION VII AND XII.

INSPECTION SEPTEMBER 25-28 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 36 INSPECTOR-HOURS IN THE AREAS OF RADIOLOGICAL EMERGENCY PLANNING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

1. Docket: 50-333 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>81,937.0</u>
13. Hours Reactor Critical	<u>672.8</u>	<u>6,436.2</u>	<u>58,965.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>554.0</u>	<u>6,132.8</u>	<u>57,332.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,042,896</u>	<u>13,868,424</u>	<u>121,605,010</u>
18. Gross Elec Ener (MWH)	<u>340,430</u>	<u>4,609,760</u>	<u>41,267,080</u>
19. Net Elec Ener (MWH)	<u>328,775</u>	<u>4,461,950</u>	<u>39,960,590</u>
20. Unit Service Factor	<u>76.9</u>	<u>76.3</u>	<u>70.0</u>
21. Unit Avail Factor	<u>76.9</u>	<u>76.3</u>	<u>70.0</u>
22. Unit Cap Factor (MDC Net)	<u>56.4</u>	<u>68.5</u>	<u>63.5*</u>
23. Unit Cap Factor (DER Net)	<u>55.6</u>	<u>67.6</u>	<u>59.4</u>
24. Unit Forced Outage Rate	<u>8.2</u>	<u>5.0</u>	<u>13.7</u>
25. Forced Outage Hours	<u>49.3</u>	<u>323.3</u>	<u>9,206.5</u>

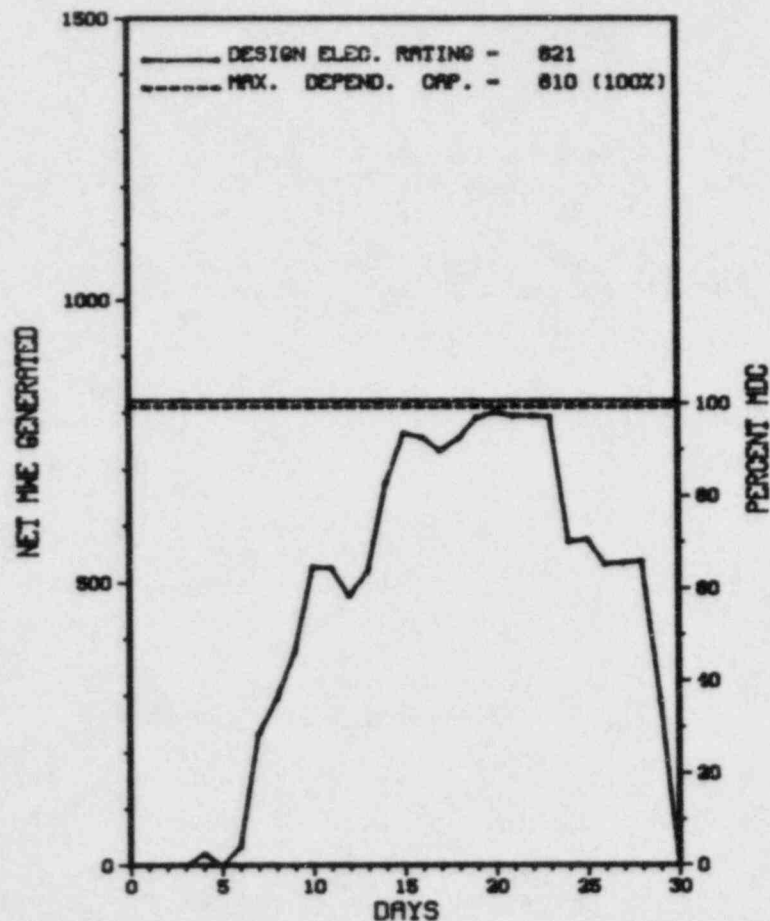
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE: 2/16/85 - 60 DAYS.

27. If Currently Shutdown Estimated Startup Date: 12/04/84

* FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FITZPATRICK



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * FITZPATRICK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	11/01/84	S	86.0	B	1				840915 SHUTDOWN FOR MAINTENANCE AND IHSI (CUMULATIVE HRS. 1207).
13	11/04/84	F	49.3	A	3	84-023	SD	FC	UNIT TRIP ON LOW REACTOR WATER LEVEL CAUSED BY LOSS OF FEED WATER. FEED PUMP TRIP ON LOW SUCTION CAUSED BY FAILED CONDENSATE BYPASS FLOW CONTROLLER, WHICH WAS REPLACED AND THE UNIT RETURNED TO SERVICE.
14	11/24/84	S	0.0	H	5		SD	COND	REDUCED POWER TO REPAIR MAIN CONDENSER TUBE LEAK.
15	11/29/84	S	30.7	B	1				SHUTDOWN FOR MAINTENANCE ON FEEDWATER HEATERS.

 * SUMMARY *

 WHILE COMMENCING A UNIT STARTUP ON 841104 THE PLANT TRIPPED ON LOW REACTOR WATER LEVEL. THE PLANT WAS RETURNED TO SERVICE ON 841106. ON 841124 REDUCED POWER BECAUSE OF MAIN CONDENSER TUBE LEAKS. ON 841129 THE UNIT WAS TAKEN OFF LINE 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)

* FITZPATRICK *

FACILITY DATA

Report Period NOV 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

CONTRARY TO 10 CFR 50.72(B)(2)(III)(D) THE LICENSEE FAILED TO NOTIFY THE NRC OPERATIONS CENTER OF A VIOLATION OF PRIMARY CONTAINMENT INTEGRITY ON JUNE 23, 1984. CONTRARY TO TECHNICAL SPECIFICATION 6.11 AND SECTION 2.2.5 OF THE RADIATION PROTECTION PROCEDURES, NO SPECIAL RADIATION WORK PERMIT WAS ISSUED FOR AN INDIVIDUAL WHO MADE THE INITIAL ENTRY INTO PRIMARY CONTAINMENT, AN AREA WHERE THE RADIATION AND CONTAMINATION LEVELS WERE UNKNOWN, DURING A REACTOR SHUTDOWN ON JUNE 23, 1984.
(8415 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period NOV 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)

* FITZPATRICK *

OTHER ITEMS

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 1500

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

6. Design Electrical Rating (Net MWe): 478

7. Maximum Dependable Capacity (Gross MWe): 501

8. Maximum Dependable Capacity (Net MWe): 478

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>98,041.0</u>
13. Hours Reactor Critical	<u>427.5</u>	<u>4,670.6</u>	<u>75,284.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>426.9</u>	<u>4,563.4</u>	<u>73,916.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>629,245</u>	<u>6,482,773</u>	<u>93,242,487</u>
18. Gross Elec Ener (MWH)	<u>214,626</u>	<u>2,134,892</u>	<u>30,764,316</u>
19. Net Elec Ener (MWH)	<u>204,844</u>	<u>2,030,661</u>	<u>29,110,521</u>
20. Unit Service Factor	<u>59.3</u>	<u>56.8</u>	<u>75.4</u>
21. Unit Avail Factor	<u>59.3</u>	<u>56.8</u>	<u>75.4</u>
22. Unit Cap Factor (MDC Net)	<u>59.5</u>	<u>55.4</u>	<u>64.7*</u>
23. Unit Cap Factor (DER Net)	<u>59.5</u>	<u>52.8</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>40.7</u>	<u>6.3</u>	<u>3.8</u>
25. Forced Outage Hours	<u>293.1</u>	<u>309.4</u>	<u>1,707.8</u>

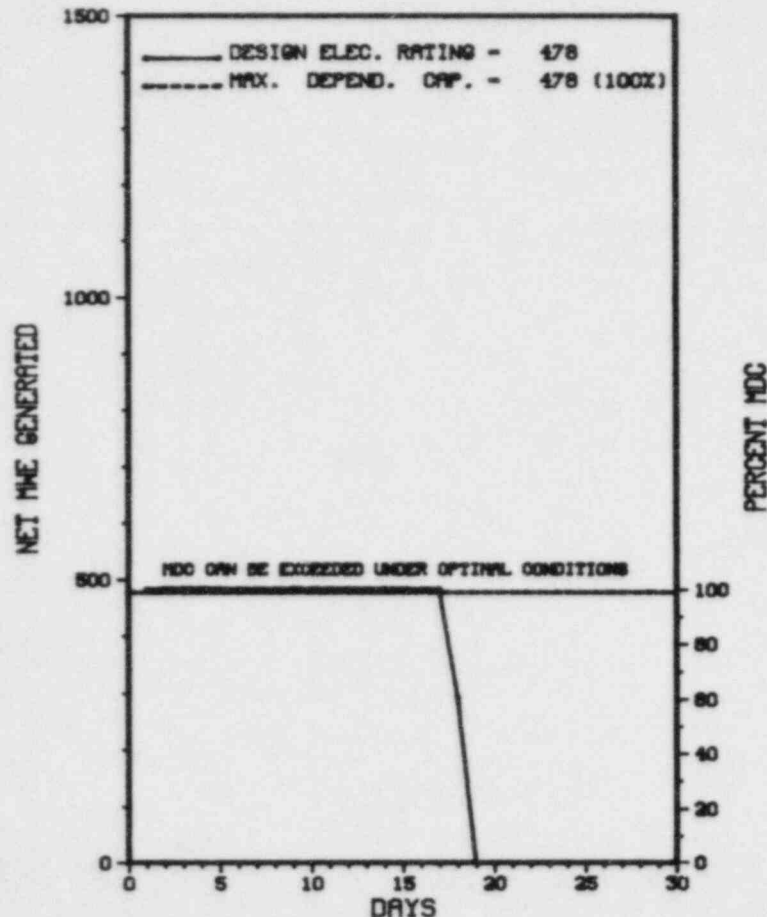
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/31/84

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT CALHOUN 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-04	11/18/84	F	293.1	A	1		CB	VALVEX	UNIT WAS TAKEN OFF-LINE AT 1852 HRS. TO REPAIR LEAKING PRESSURIZER SPRAY VALVE PCV-103-1. WHILE THE UNIT WAS DOWN FOR REPAIR OF THE VALVE, OTHER ROUTINE MAINTENANCE WAS PERFORMED.

* SUMMARY *

FORT CALHOUN STATION SHUTDOWN ON NOVEMBER 18TH FOR EQUIPMENT REPAIRS.

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)

ENFORCEMENT SUMMARY

CONTRARY TO CRITERION V OF APPENDIX B TO 10CFR PART 50, PARAGRAPH A.13 OF THE OPPD QA PROGRAM AND PARAGRAPH 5.2 OF 50 M-28, MINIMUM CALIBRATION SCHEDULES HAD NOT BEEN ESTABLISHED IN SCHEDULE A FOR OSCILLOSCOPES AND ELECTRICAL CURRENT MEASURING STANDARDS(285/8421-02B)

(8421 4)

CONTRARY TO CRITERIOR V OF APPENDIX B TO 10 CFR PART 50, PARAGRAPH A.1A OF THE OPPD QA PROGRAM MANUAL, AND PARAGRAPH 2.2 OF ANSI N45.2.1-1973, PROCEDURES HAD NOT BEEN PREPARED TO IMPLEMENT THE CLEANING REQUIREMENTS FOR FLUID SYSTEMS AND ASSOCIATED COMPONENTS(285/8421-02B)

(8421 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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 EVENT	DATE OF REPORT	SUBJECT
NONE			

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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-D STARTUP TESTING.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>47,521.0</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>-2,803</u>	<u>59,183</u>	<u>2,930,713</u>
20. Unit Service Factor	<u>.0</u>	<u>8.2</u>	<u>38.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>8.2</u>	<u>38.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>2.2</u>	<u>18.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>2.2</u>	<u>18.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>85.6</u>	<u>45.8</u>
25. Forced Outage Hours	<u>720.0</u>	<u>3,908.5</u>	<u>15,585.5</u>

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

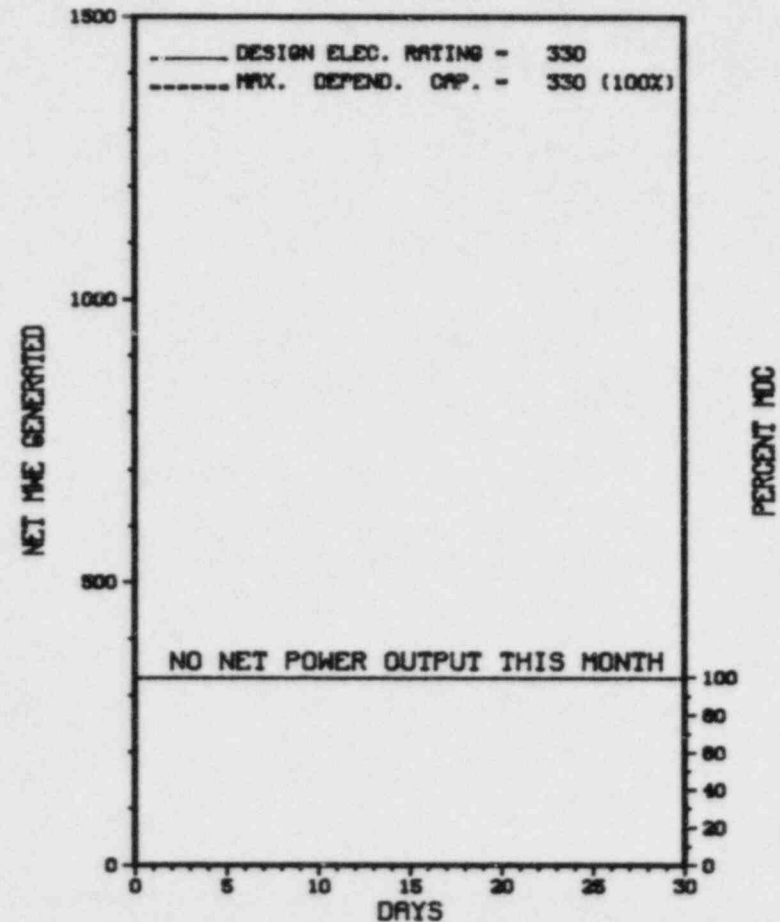
CONTROL ROD DRIVE INVEST.: 12/1/84 THRU 3/31/85

27. If Currently Shutdown Estimated Startup Date: 04/01/85

* FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

FORT ST VRAIN



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-006	07/01/84	F	720.0	A	4	84-008	AA	JC	CONTROL ROD DRIVE INVESTIGATION CONTINUES.

* SUMMARY *

FORT ST. VRAIN REMAINS SHUTDOWN IN A CONTINUING CONTROL ROD DRIVE INVESTIGATION.

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)

* FORT ST VRAIN *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NONE

ENFORCEMENT SUMMARY

EXEMPT DATA
(8423 5)

CONTRARY TO THE CONTROLLED WORK PROCEDURE MANUAL, THE NRC INSPECTOR DETERMINED THAT THE CWPM WAS NOT BEING USED AS GUIDANCE DURING PREPARATION OF CWPS.

(8426 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period NOV 1984

I N S P E C T I O N

S T A T U S - (CONTINUED)

* FORT ST VRAIN *

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

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 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 1520

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

6. Design Electrical Rating (Net MWe): 470

7. Maximum Dependable Capacity (Gross MWe): 490

8. Maximum Dependable Capacity (Net MWe): 470

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
2. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>131,616.0</u>
3. Hours Reactor Critical	<u>720.0</u>	<u>6,104.7</u>	<u>99,704.1</u>
4. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>56.2</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,036.3</u>	<u>97,547.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,084,032</u>	<u>8,901,000</u>	<u>135,158,369</u>
18. Gross Elec Ener (MWH)	<u>360,242</u>	<u>2,946,241</u>	<u>44,110,612</u>
19. Net Elec Ener (MWH)	<u>342,878</u>	<u>2,800,085</u>	<u>41,826,329</u>
20. Unit Service Factor	<u>100.0</u>	<u>75.1</u>	<u>74.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>75.1</u>	<u>74.1</u>
22. Unit Cap Factor (MDC Net)	<u>101.3</u>	<u>74.1</u>	<u>69.3*</u>
23. Unit Cap Factor (DER Net)	<u>101.3</u>	<u>74.1</u>	<u>69.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.7</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):

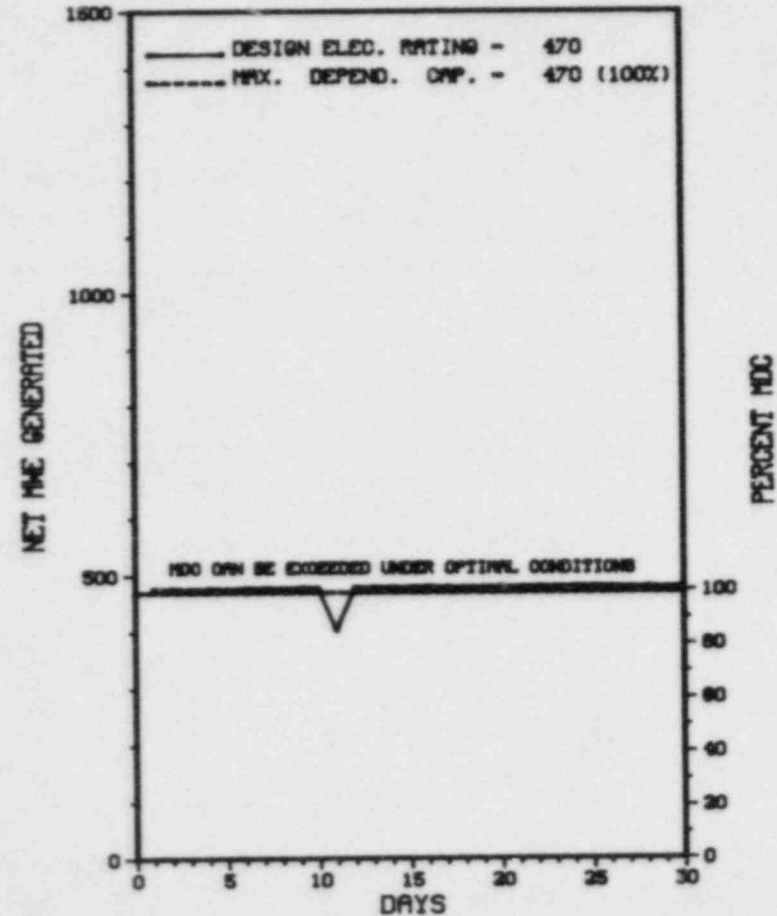
MAINTENANCE: MARCH 2, 1985 - 60 DAYS.

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

* GINNA *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-6	11/11/84	S	0.0	B	5		HA	TURBIN	LOAD REDUCTION TO APPROX. 46% REACTOR POWER LEVEL TO PERFORM TURBINE VALVE AND TRIP TESTS.

* SUMMARY *

GINNA OPERATED WITH 1 REDUCTION DURING NOVEMBER.

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

* GINNA *

FACILITY DATA

Report Period NOV 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.....C. MILLER
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 TECHNICAL SPECIFICATION 6.8 AND ADMINISTRATIVE PROCEDURE (A)-52.4, ON JULY 25, 1984, ATTACHMENT I TO A-52.4 WAS NOT UTILIZED TO IDENTIFY THE INOPERABILITY OF AUTOMATIC DELUGE SYSTEM S-29. VIOLATION SEVERITY 5, SUPPLEMENT I.
(8416 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>993.0</u>	<u>993.0</u>
13. Hours Reactor Critical	<u>627.5</u>	<u>841.6</u>	<u>841.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>531.0</u>	<u>600.2</u>	<u>600.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>584,093</u>	<u>734,460</u>	<u>734,460</u>
18. Gross Elec Ener (MWH)	<u>147,930</u>	<u>157,570</u>	<u>157,570</u>
19. Net Elec Ener (MWH)	<u>132,140</u>	<u>140,075</u>	<u>140,075</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>107.9</u>	<u>123.5</u>	<u>123.5</u>

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

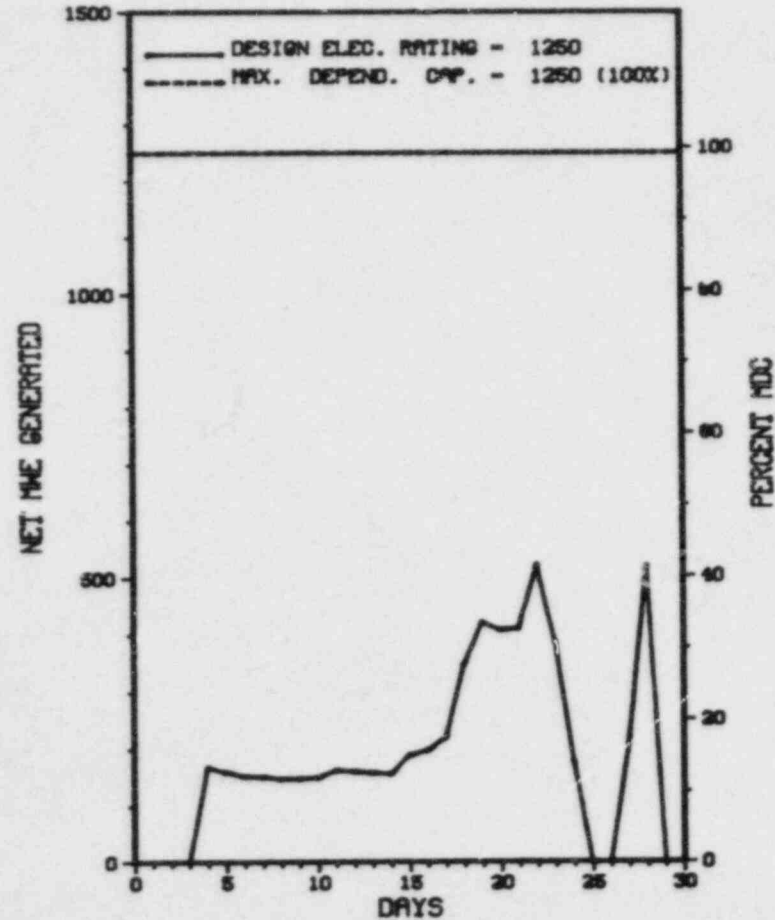
NONE

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-5	10/29/84	S	81.1	B	4		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.
84-6	11/24/84	F	60.8	H	3	84-052	SJ	STC	REACTOR SCRAMMED ON LOW WATER LEVEL DURING A PLANNED SHUTDOWN. THE 'B' FEED PUMP WAS BEING MANUALLY CONTROLLED TO DECREASE WATER LEVEL WHEN IT TRIPPED ON LOW SUCTION. THE 'B' FEEDPUMP MINIMUM FLOW CONTROLLER HAS BEEN TUNED TO BE MORE RESPONSIVE.
84-7	11/29/84	F	47.1	H	2	84-053	ZZ	ZZZZZZ	TEST EQUIPMENT BEING USED TO PERFORM A FEEDWATER SYSTEM TEST WAS INCORRECTLY CONNECTED TO THE FEEDWATER PUMPS WHICH CAUSED A DECREASE IN FEEDWATER FLOW AND REACTOR WATER LEVEL. AN OPERATOR TOOK MANUAL CONTROL OF THE FEEDWATER PUMPS TO STOP THE LEVEL DECREASE, HOWEVER, A RAPID INCREASE IN FEEDWATER FLOW CAUSED THE HOTWELL LEVEL TO DECREASE TO THE POINT WHERE THE CONDENSATE PUMPS TRIPPED ON LOW SUCTION PRESSURE. A MANUAL SCRAM WAS THEN INITIATED.

 * SUMMARY *

 GRAND GULF 1 OPERATED WITH 3 OUTAGES DURING 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)

* GRAND GULF 1 *

FACILITY DATA

Report Period NOV 1984

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.....J. CALDWELL
LICENSING PROJ MANAGER.....L. KINTNER
DOCKET NUMBER.....50-416
LICENSE & DATE ISSUANCE...NPF-29, NOVEMBER 1, 1984
PUBLIC DOCUMENT ROOM.....HINDS JUNIOR COLLEGE
MC LENDON LIBRARY
RAYMOND, MISSISSIPPI 39154

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 24-28 (84-39): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 31 INSPECTOR-HOURS AT THE SITE IN THE AREA OF POST ACCIDENT SAMPLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 9-12 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 52 INSPECTOR-HOURS IN THE AREAS OF RECORDS PROGRAM, DOCUMENT CONTROL, AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE THREE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 17 - OCTOBER 19 (84-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 134.5 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION, ESF SYSTEM VERIFICATION, MAINTENANCE OBSERVATION, SURVEILLANCE TESTING OBSERVATION, POWER ASCENSION TEST WITNESSING AND REACTOR STARTUP. OF THE SIX AREAS INSPECTED, NO APPARENT VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; THREE APPARENT VIOLATIONS WERE FOUND IN THREE AREAS (FAILURE TO FOLLOW PROCEDURE FOR ENSURING THAT STANDBY SERVICE WATER BASIN SYPHON LINE WAS FILLED AND VENTED; FAILURE TO FOLLOW PROCEDURE FOR DOCUMENTING THE ENTRY INTO A TECHNICAL SPECIFICATION ACTION STATEMENT; AND FAILURE TO FOLLOW PROCEDURE FOR COMPLETING VERIFICATION STEPS.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-213 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (Mwt): 1825

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

6. Design Electrical Rating (Net MWe): 582

7. Maximum Dependable Capacity (Gross MWe): 596

8. Maximum Dependable Capacity (Net MWe): 569

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>148,296.0</u>
13. Hours Reactor Critical	<u>649.8</u>	<u>5,771.6</u>	<u>126,973.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,200.5</u>
15. Hrs Generator On-Line	<u>437.8</u>	<u>5,552.1</u>	<u>121,459.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>373.7</u>
17. Gross Therm Ener (MWH)	<u>605,570</u>	<u>9,464,313</u>	<u>210,836,873</u>
18. Gross Elec Ener (MWH)	<u>198,359</u>	<u>3,094,417</u>	<u>69,207,660</u>
19. Net Elec Ener (MWH)	<u>181,940</u>	<u>2,931,396</u>	<u>65,832,097</u>
20. Unit Service Factor	<u>60.8</u>	<u>69.1</u>	<u>81.9</u>
21. Unit Avail Factor	<u>60.8</u>	<u>69.1</u>	<u>82.2</u>
22. Unit Cap Factor (MDC Net)	<u>44.4</u>	<u>64.1</u>	<u>81.8*</u>
23. Unit Cap Factor (DER Net)	<u>43.4</u>	<u>62.6</u>	<u>76.3*</u>
24. Unit Forced Outage Rate	<u>6.4</u>	<u>.5</u>	<u>5.9</u>
25. Forced Outage Hours	<u>30.1</u>	<u>30.1</u>	<u>1,188.1</u>

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

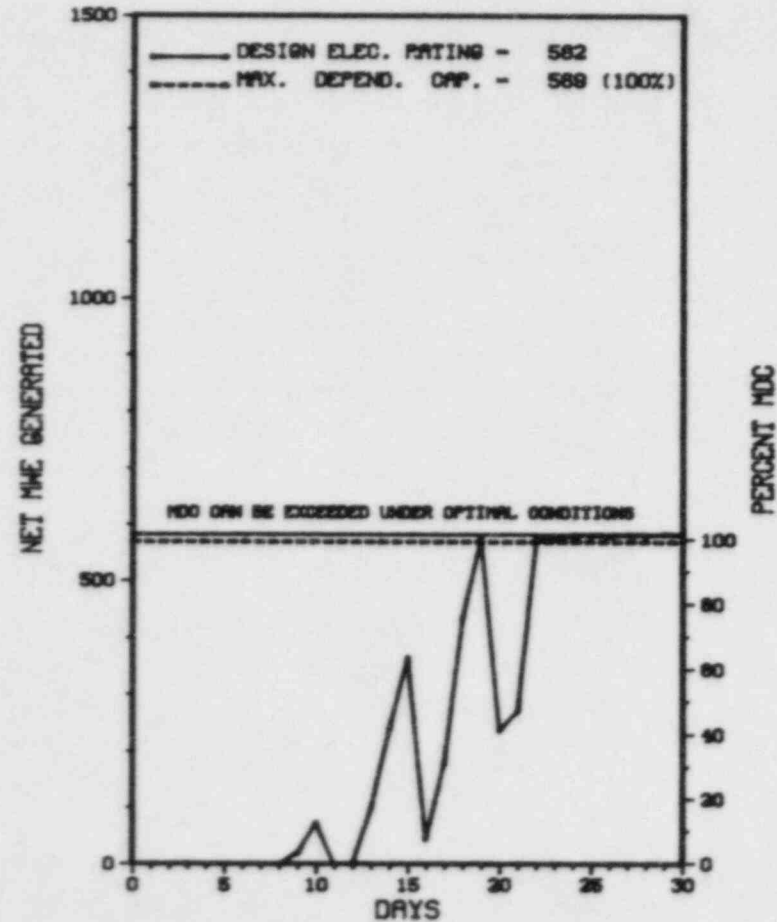
NONE

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HADDAM NECK *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-04	08/01/84	S	196.2	C	4		RC	FUELXX	CONTINUATION OF CORE XII-XIII REFUELING.
84-05	11/09/84	F	12.0	A	1		EB	GENERA	HIGH HYDROGEN TEMPERATURE DEVIATION.
84-06	11/10/84	S	55.9	B	1		EB	GENERA	TOOK GENERATOR OFF LINE FOR HYDROGEN SEAL REPAIR AND TURBINE OVERSPEED TRIP TEST.
84-07	11/15/84	F	11.1	A	2	84-026	EB	GENERA	MANUAL TRIP - REDUCE LOAD DUE TO VOLTAGE REGULATOR CYCLING.
84-08	11/20/84	F	7.0	G	3	84-025	ZZ	XXXXXX	LOSS OF FLOW INADVERTENT SHUTDOWN OF NUMBER THREE REACTOR COOLANT PUMP.

 * SUMMARY *

 CONNECTICUT YANKEE HADDAM NECK OPERATED ROUTINELY WITH 5 OUTAGES DURING NOVEMBER.

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		

* HADDAM NECK *

FACILITY DATA

Report Period NOV 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.....F. AKSTULEWICZ
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 INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period NOV 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)

* HADDAM NECK *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

REPORTS FROM LICENSEE

=====

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

=====

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): 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>720.0</u>	<u>3,040.0</u>	<u>78,168.0</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>3,601,117</u>	<u>33,451,602</u>
20. Unit Service Factor	<u>.0</u>	<u>68.1</u>	<u>66.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>68.1</u>	<u>66.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>59.6</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>57.6</u>	<u>55.1</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>

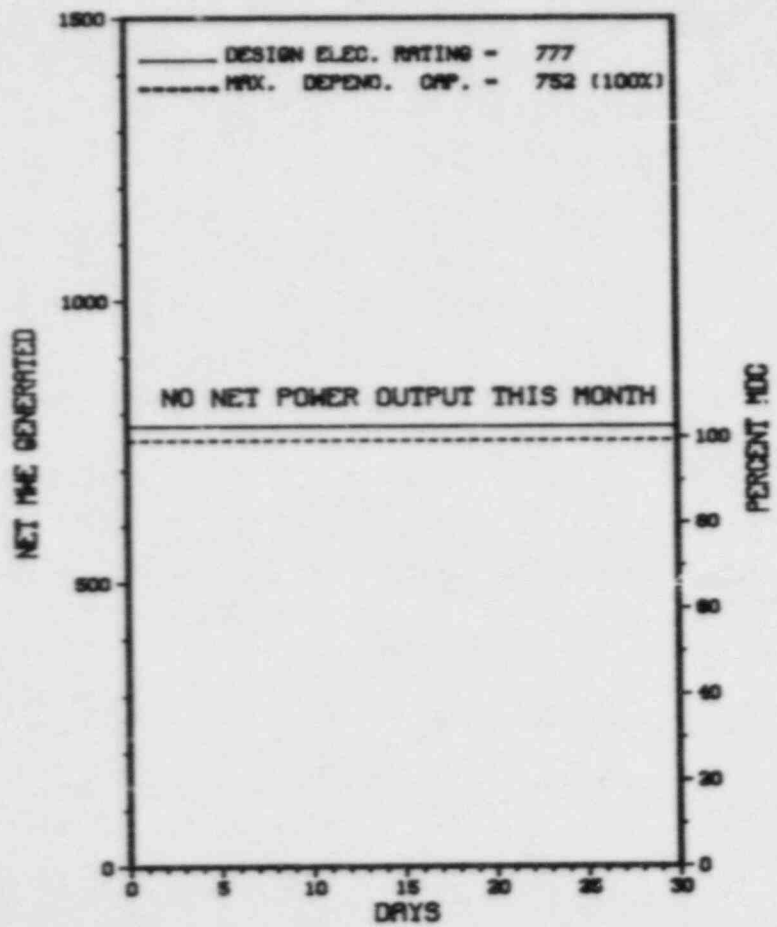
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/31/84

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	UNIT REFUELING OUTAGE IN PROGRESS.

* SUMMARY *

HATCH 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* HATCH 1 *

FACILITY DATA

Report Period NOV 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 OCTOBER 9-12 (84-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION ACTIVITIES RELATED TO GENERIC LETTER 84-11, INSERVICE INSPECTION (ISI), LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, AND IE BULLETINS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 23-26 (84-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF GENERIC LETTER 84-11, INSERVICE INSPECTION, PLANS FOR OVERLAY WELDING OF STAINLESS STEEL PIPE WELDS, IE BULLETINS, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 5-8 (84-44): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION ACTIVITIES TO GENERIC LETTER 84-11; IE BULLETIN 80-13, CRACKING IN CORE SPRAY SPARGER; AND INCORE DRY TUBE CRACKS SIL-409. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 13-16 (84-45): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 13 INSPECTOR-HOURS ON SITE IN THE AREA OF TYPES B AND C LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-366 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>45,937.0</u>
13. Hours Reactor Critical	<u>676.6</u>	<u>2,454.5</u>	<u>29,693.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>652.6</u>	<u>2,206.9</u>	<u>28,139.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,533,600</u>	<u>4,672,911</u>	<u>60,239,207</u>
18. Gross Elec Ener (MWH)	<u>515,680</u>	<u>1,543,490</u>	<u>19,848,840</u>
19. Net Elec Ener (MWH)	<u>494,001</u>	<u>1,452,216</u>	<u>18,870,458</u>
20. Unit Service Factor	<u>90.6</u>	<u>27.4</u>	<u>61.3</u>
21. Unit Avail Factor	<u>90.6</u>	<u>27.4</u>	<u>61.3</u>
22. Unit Cap Factor (MDC Net)	<u>91.7</u>	<u>24.1</u>	<u>54.9</u>
23. Unit Cap Factor (DER Net)	<u>87.5</u>	<u>23.0</u>	<u>52.4</u>
24. Unit Forced Outage Rate	<u>9.4</u>	<u>8.3</u>	<u>11.4</u>
25. Forced Outage Hours	<u>67.4</u>	<u>198.6</u>	<u>3,624.4</u>

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

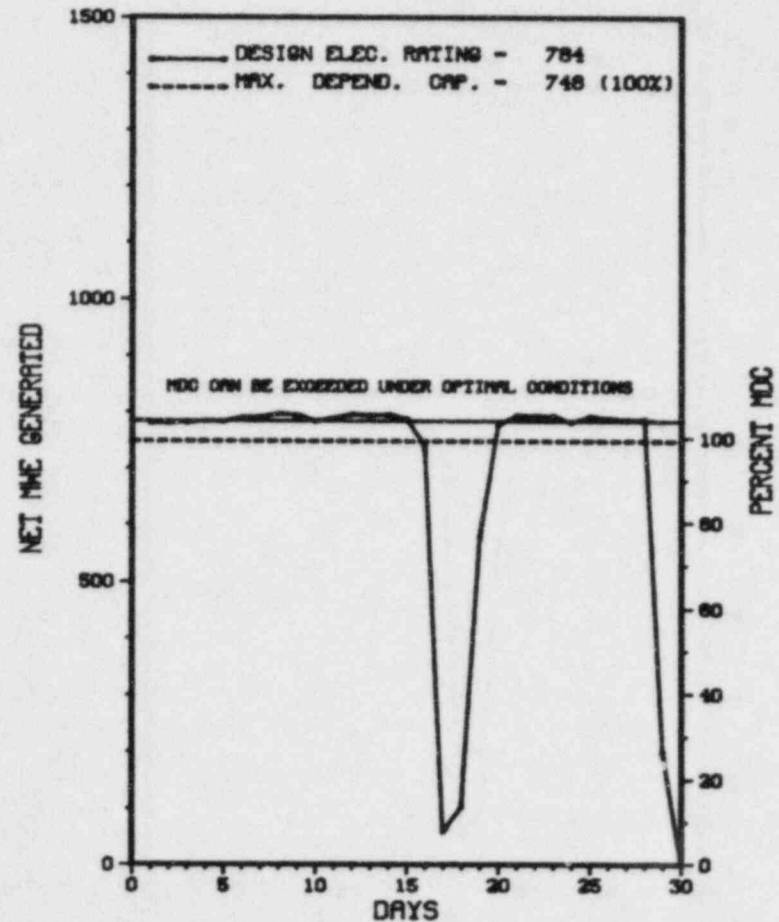
NONE

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

* HATCH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-30	11/16/84	F	0.0	A	5		HH	VALVEX	REPAIRS IN VALVE 2N38-F253D FROM 2ND STAGE DRAIN TANK TO 4TH STAGE 'B' HIGH PRESSURE HEATER.
84-31	11/17/84	F	25.7	A	3		CB	PUMPXX	REACTOR SCRAM DUE TO RECIRC PUMP 2B RUNNING TO 100% SPEED.
84-32	11/18/84	F	0.0	A	5		HH	VALVEX	PROBLEMS WITH 2N21-F110 FEEDWATER LEVEL CONTROL VALVE. RECIRC PUMP 'A' SPEED ALSO WAS FOUND TO BE INCREASING. AFTER RESOLVING RECIRC PUMP PROBLEM OPERATORS NOTICED VACUUM DECREASING AND DISCOVERED AUXILIARY DRAIN TANKS WERE FLOODED.
84-33	11/18/84	S	0.0	B	5		XX	XXXXXX	PULLING RODS & INCREASING RECIRC FLOW BACK TO RATED POWER.
84-34	11/29/84	F	41.7	G	3		IA	INSTRU	REACTOR SCRAM ON LOW WATER LEVEL INDICATION SCRAM WAS RESULT OF A VALVE ISOLATION MISTAKE MADE BY PERSONNEL WORKING ON SPDS WATER LEVEL TRANSMITTER 2B21-N038B.

 * SUMMARY *

 HATCH 2 OPERATED ROUTINELY, SHUTTING DOWN ON NOVEMBER 30TH FOR OPERATIONAL ERROR.

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 2 *

FACILITY DATA

Report Period NOV 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 OCTOBER 9-12 (84-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, AND IE BULLETINS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION OCTOBER 23-26 (84-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF IE BULLETINS, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 5-8 (84-44): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSPECTION ACTIVITIES TO GENERIC LETTER 84-11; IE BULLETIN 80-13, CRACKING IN CORE SPRAY SPARGER; AND INCORE DRY TUBE CRACKS SIL-409. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 13-16 (84-45): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 12 INSPECTOR-HOURS ON SITE IN THE AREA OF TYPES B AND C LEAK RATE TESTING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

1. Docket: 50-247 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): 900

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>720.0</u>	<u>8,040.0</u>	<u>91,345.0</u>
13. Hours Reactor Critical	<u>718.1</u>	<u>4,264.5</u>	<u>60,212.1</u>
14. Rx Reserve Shtdwn Hrs	<u>1.9</u>	<u>20.6</u>	<u>2,139.7</u>
15. Hrs Generator On-Line	<u>718.0</u>	<u>4,147.6</u>	<u>58,343.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,936,122</u>	<u>10,579,837</u>	<u>151,620,336</u>
18. Gross Elec Ener (MWH)	<u>614,970</u>	<u>3,313,340</u>	<u>46,970,916</u>
19. Net Elec Ener (MWH)	<u>593,056</u>	<u>2,558,822</u>	<u>44,185,914</u>
20. Unit Service Factor	<u>99.7</u>	<u>51.6</u>	<u>63.9</u>
21. Unit Avail Factor	<u>99.7</u>	<u>51.6</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>95.3</u>	<u>37.2</u>	<u>57.1*</u>
23. Unit Cap Factor (DER Net)	<u>94.4</u>	<u>36.5</u>	<u>55.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.8</u>	<u>9.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>502.4</u>	<u>5,878.6</u>

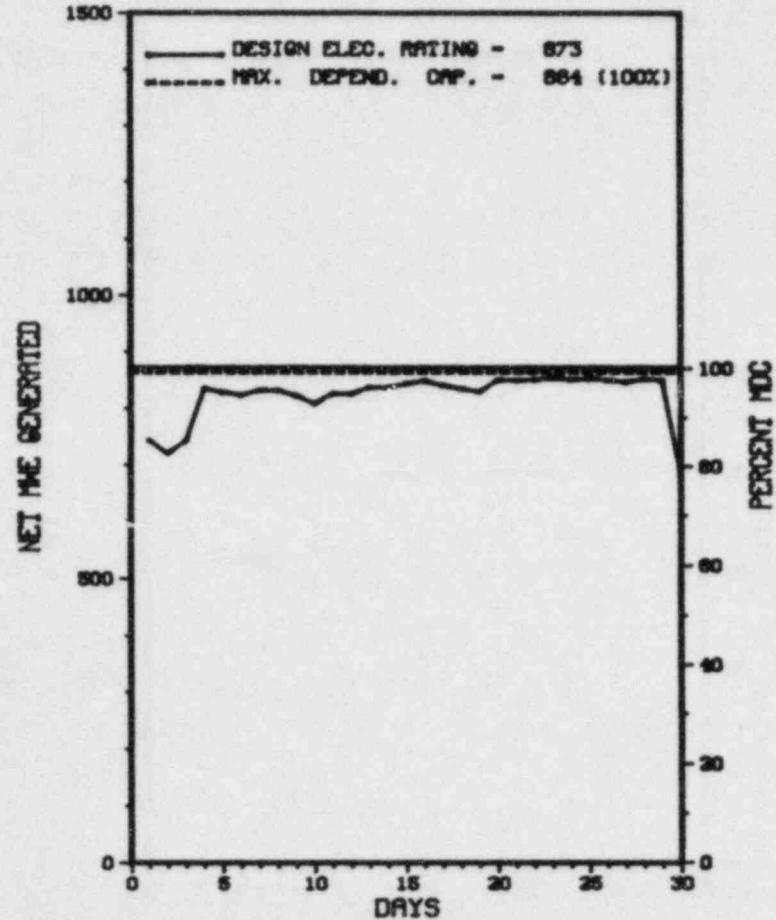
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	11/30/84	S	2.0	B	1		HA	ZZZZZ	MISC. MAINTENANCE OUTAGE.

* SUMMARY *

INDIAN POINT 2 OPERATED ROUTINELY DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 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...MAY 22, 1973
DATE ELEC ENER 1ST GENER...JUNE 26, 1973
DATE COMMERCIAL OPERATE....AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

TECHNICAL SPECIFICATIONS, SECTION 11, REQUIRES THE LICENSEE TO PREPARE PROCEDURES FOR PERSONNEL RADIATION PROTECTION, CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20. SUCH PROCEDURES SHALL BE APPROVED, MAINTAINED, AND ADHERED TO FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. THE LICENSEE'S PROCEDURE EHS 3.101, "ACCESS CONTROL AREAS," REVISION 0, SECTION 2.4.1 REQUIRES THAT ALL ACCESS POINTS TO A HIGH RADIATION AREA BE CONSPICUOUSLY POSTED WITH A SIGN BEARING THE LEGEND, "CAUTION, HIGH RADIATION AREA," SECTION 2.4.4 OF PROCEDURE EHS 3.101 STATES THAT ACCESS TO HIGH RADIATION AREAS IN WHICH THE INTENSITY OF RADIATION IS GREATER THAN 1000 MR/HR WILL BE ACTIVELY GUARDED TO PREVENT UNAUTHORIZED ENTRY. SECTION 2.5.1 OF PROCEDURE EHS 3.101 REQUIRES THAT ALL ACCESS POINTS TO AN AIRBORNE RADIOACTIVITY AREA BE CONSPICUOUSLY POSTED WITH A SIGN BEARING THE LEGEND, "CAUTION, AIRBORNE RADIOACTIVITY AREA." CONTRARY TO THE ABOVE, ON JUNE 5, 1984, DURING AN INSPECTION OF THE REACTOR CONTAINMENT BUILDING WITH THE PLANT IN COLD SHUTDOWN, IN PREPARATION FOR REFUELING AND MAINTENANCE ACTIVITIES, THE RESIDENT INSPECTORS IDENTIFIED AN ACCESS POINT TO A HIGH RADIATION AND AIRBORNE RADIOACTIVITY AREA, WITHOUT THE BENEFIT OF CONSPICUOUSLY POSTED HIGH RADIATION AREA SIGNS, GUARDED CONTROL POINT, AND CONSPICUOUSLY POSTED HIGH AIRBORNE RADIOACTIVITY SIGNS.
(8412 4)

ENFORCEMENT SUMMARY

VIOLATION CONTAINS SAFEGUARD MATERIAL.
(8412 5)

10CFR50.34 REQUIRES, IN PART, THAT THE LICENSEE HAS A QA PLAN THAT DELINEATES MANAGERIAL & ADMIN CONTROLS TO BE USED TO ASSURE SAFE OPERATION IN ACCORD WITH APP B, "QUALITY ASSURANCE CRITERIA FOR NUCLEAR POWER PLANTS." REG GUIDE 1.88 STATES, IN PART, "THE RQMTS AND GUIDELINES FOR COLLECTION, STORAGE, & MAINT OF NUCLEAR POWER PLANT QA RECORDS THAT ARE INCLUDED IN ANSI N45.2.9-1974 ARE ACCEPTABLE TO NRC'S STAFF AND PROVIDE AN ADEQUATE BASIS FOR COMPLYING WITH PERT QA RQMTS OF APP B TO 10CFR PART 50. ANSI N45.2.9-1974 STATES: (1) "EACH ORGANIZATION RESPONSIBLE FOR RECEIPT OF QA RECORDS SHALL DESIGNATE A PERSON OR AGENCY RESPONSIBLE FOR RECEIVING RECORDS. THE DESIGNATED AUTHORITY SHALL BE RESPONSIBLE FOR ORGANIZING AND IMPLEMENTING A SYSTEM OF RECEIPT CONTROL OF QA RECORDS." CONTRARY TO ABOVE, ON 8/23/84, 2 DEPTS INSPECTED COULD NOT PRODUCE A SYSTEM FOR RECEIPT CONTROL OF QA RECORDS. (2) "AN AUDIT SYSTEM SHALL BE ESTABLISHED TO ASSUME THAT QA RECORDS STORAGE SYSTEM IS EFFECTIVE." CONTRARY TO ABOVE, ON 8/23/84, LICENSEE COULD NOT PROVIDE AN AUDIT OF QA RECORDS. (3) "STORAGE SYSTEMS SHALL PROVIDE FOR ACCURATE RETRIEVAL OF INFO WITHOUT UNDUE DELAY." CONTRARY TO ABOVE, BETWEEN PERIOD OF 8/21-24/84, LICENSEE COULD NOT PROVIDE AN ACCURATE RECORD OF DESIGN CHANGES REQUESTED BY INSPECTOR. (4) "A LIST SHALL BE GENERATED DESIGNATING THOSE PERSONNEL WHO SHALL HAVE ACCESS TO THE FILES. CONTRARY TO ABOVE, TWO DEPTS COULD NOT SUPPLY INSPECTOR WITH A LIST. THE ABOVE COLLECTIVELY ARE A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I).
(8421 4)

10CFR50.34 REQUIRES, IN PART, THAT THE LICENSEE HAS A QUALITY ASSURANCE PLAN THAT DELINEATES MANAGERIAL AND ADMINISTRATIVELY CONTROLS TO BE USED TO ASSURE SAFE OPERATION IN ACCORDANCE WITH APP B, "QUALITY ASSURANCE CRITERIA FOR NUCLEAR POWER PLANTS." CON-ED'S QUALITY ASSURANCE MANUAL FOR OPERATING NUCLEAR PLANTS STATES: "THESE REQUIREMENTS ARE CONSISTENT WITH THE APPLICABLE PROVISIONS OF 10 CFR 50, APP B, REG GUIDE 1.33 AND 1.88 AND ASME CODE, SECTION III AND THE ACTIVITIES OF ORGANIZATIONS AND PERSONNEL IDENTIFIED IN THIS PROCEDURE SHALL BE CONSISTENT WITH THOSE PROVISIONS." REG GUIDE 1.88 STATES, IN PART, "THE REQUIREMENTS AND GUIDELINES FOR COLLECTION, STORAGE, AND MAINTENANCE OF NUCLEAR POWER PLANT QUALITY ASSURANCE RECORDS THAT ARE INCLUDED ;IN ANSI N45.2.9-1974 ARE ACCEPTABLE TO THE NRC'S STAFF AND PROVIDE AN ADEQUATE BASIS FOR COMPLYING WITH THE PERTINENT QUALITY ASSURANCE REQUIREMENTS OF APP B TO 10CFR PART 50. ANSI N45.2.9-1974 REQUIRES THE LIFETIME RETENTION OF A "TRANSIENT OR OPERATIONAL CYCLING RECORD FOR THOSE PLANT COMPONENTS THAT HAVE BEEN DESIGNED TO OPERATE SAFELY FOR A LIMITED NUMBER OF TRANSIENT OR OPERATIONAL CYCLES." CONTRARY TO THE ABOVE, ON AUGUST 23, 1984, THE LICENSEE COULD NOT SUPPLY SUCH A RECORD. THIS IS A SEVERITY LEVEL V VIOLATION (SUPPLEMENT I).
(8421 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.

Report Period NOV 1984

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

* I N D I A N P O I N T 2 *

OTHER ITEMS

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.			

=====

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>72,361.0</u>
13. Hours Reactor Critical	<u>86.5</u>	<u>6,197.6</u>	<u>40,622.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>77.2</u>	<u>5,962.0</u>	<u>39,104.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>93,305</u>	<u>17,050,550</u>	<u>101,420,386</u>
18. Gross Elec Ener (MWH)	<u>28,710</u>	<u>5,547,425</u>	<u>31,914,036</u>
19. Net Elec Ener (MWH)	<u>25,917</u>	<u>5,339,038</u>	<u>30,583,216</u>
20. Unit Service Factor	<u>10.7</u>	<u>74.2</u>	<u>54.0</u>
21. Unit Avail Factor	<u>10.7</u>	<u>74.2</u>	<u>54.0</u>
22. Unit Cap Factor (MDC Net)	<u>3.7</u>	<u>68.8</u>	<u>43.8</u>
23. Unit Cap Factor (DER Net)	<u>3.7</u>	<u>68.8</u>	<u>43.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.7</u>	<u>22.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>870.3</u>	<u>11,067.1</u>

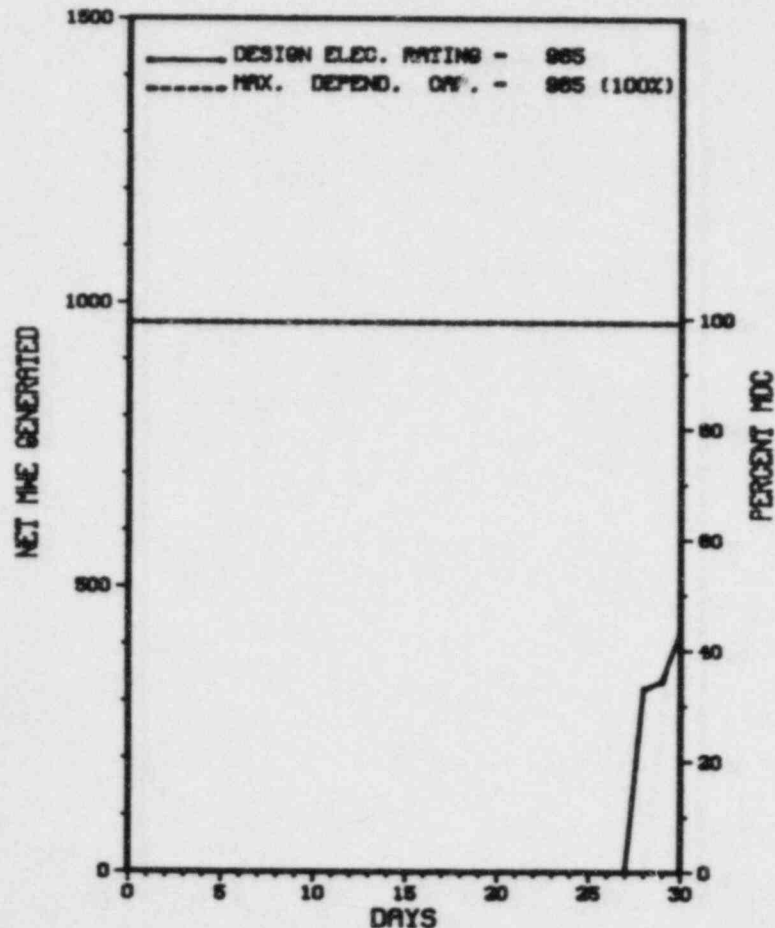
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
CYCLE 4/5 REFUELING OUTAGE (EST. JUNE 1985).

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

* I N D I A N P O I N T 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



NOVEMBER 1984

Report Period NOV 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	642.8	B	4	84-014-00	HJ	HTEXCH	UNIT REMOVED FROM SERVICE FOR MID CYCLE STEAM GENERATOR INSPECTION. DURING A MANUAL SHUTDOWN THE UNIT EXPERIENCED A REACTOR TRIP SIGNAL, CAUSING THE SHUTDOWN AND CONTROL ROD BANKS TO BE INSERTED AUTOMATICALLY.

* SUMMARY *

INDIAN POINT 3 RETURNED ONLINE NOVEMBER 27TH FROM A MAINTENANCE OUTAGE 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)

* INDIAN POINT 3 *

FACILITY DATA

Report Period NOV 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

AS A RESULT OF THE INSPECTION CONDUCTED ON AUGUST 1 - SEPTEMBER 15, 1984, AND IN ACCORDANCE WITH THE NRC ENFORCEMENT POLICY, 10 CFR 20, APPENDIX C, THE FOLLOWING VIOLATION WAS IDENTIFIED: TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES COVERING THE APPLICABLE ACTIVITIES IN APPENDIX A OF REGULATORY GUIDE 1.33, NOVEMBER 1972 BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED. CONTRARY TO THE ABOVE, ON SEPTEMBER 7, 1984, PROCEDURES WERE IDENTIFIED WHICH HAD NOT BEEN PROPERLY MAINTAINED. SPECIFICALLY, MODIFICATIONS TO THE BATTERY CHARGERS AND BATTERIES HAD NOT BEEN INCORPORATED INTO SOP-EL-2, REVISION 3, AND SOP-EL-3, REV 3, AND VALVES 535 AND 536 WERE NOT LISTED ON THE CORRECT MOTOR CONTROL CENTERS IN COL-EL-1, REV. 2.

(8416 5)

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
--------	------------------	-------------------	---------

NO INPUT PROVIDED.

=====

1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

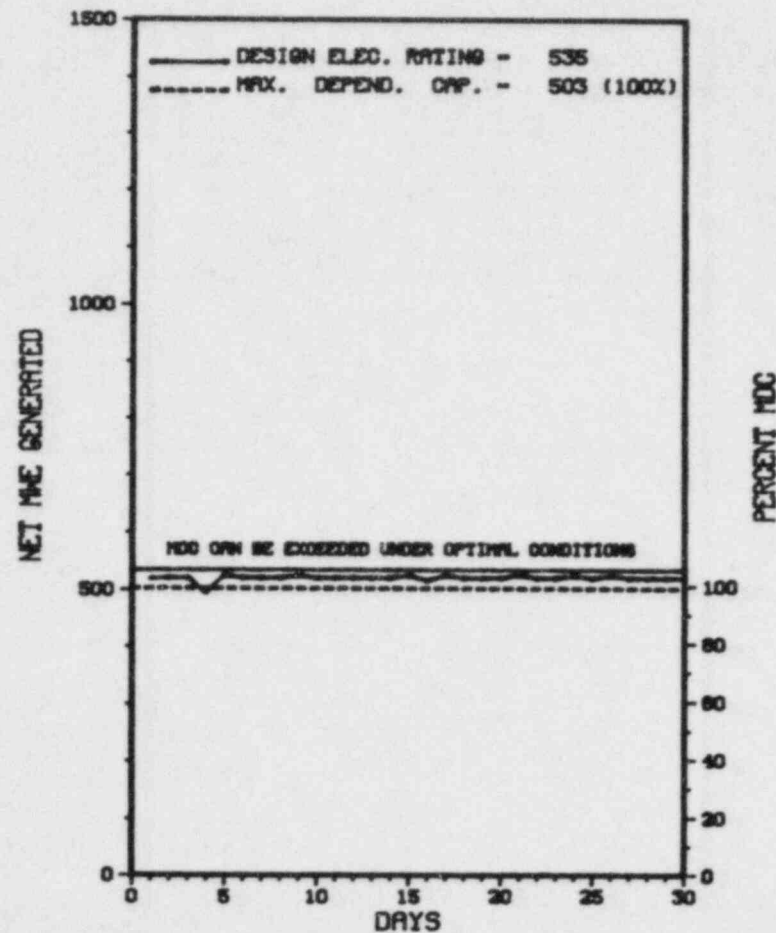
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>91,705.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,826.5</u>	<u>78,006.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,784.4</u>	<u>76,596.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,183,532</u>	<u>10,873,809</u>	<u>119,844,895</u>
18. Gross Elec Ener (MWH)	<u>393,000</u>	<u>3,593,800</u>	<u>39,451,900</u>
19. Net Elec Ener (MWH)	<u>375,244</u>	<u>3,422,799</u>	<u>37,554,835</u>
20. Unit Service Factor	<u>100.0</u>	<u>84.4</u>	<u>83.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>84.4</u>	<u>83.5</u>
22. Unit Cap Factor (MDC Net)	<u>103.6</u>	<u>84.6</u>	<u>78.9*</u>
23. Unit Cap Factor (DER Net)	<u>97.4</u>	<u>79.6</u>	<u>76.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.2</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: FEBRUARY 15, 1985, 8 WEEKS

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

* KEMAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
KEMAUNEE



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* KENAUNEE *

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

NONE

* SUMMARY *

KENAUNEE OPERATED AT FULL POWER DURING NOVEMBER.

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)

* KEWAUNEE *

FACILITY DATA

Report Period NOV 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

INSPECTION ON AUGUST 17, 22-24, 19-31, SEPTEMBER 4-7, 10-14, 17-21, 24-27, OCTOBER 15, (84-12): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE, SURVEILLANCE; AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED A TOTAL OF 101 INSPECTOR-HOURS BY ONE INSPECTOR INCLUDING 16 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON SEPTEMBER 10-14 AND OCTOBER 31, (84-15): ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S FIRE PROTECTION AND PREVENTION PROGRAM INCLUDING PENETRATION FIRE BARRIERS; TECHNICAL SPECIFICATIONS; FIRE HOSE STATION USE; FIRE PROTECTION EQUIPMENT APPROVAL FOR FIRE PROTECTION USE, ADMINISTRATIVE CONTROLS; PROCEDURAL REVIEW; FIRE FIGHTING STRATEGIES; TRAINING AND QUALIFICATION OF FIRE WATCHES; FIRE BRIGADE TRAINING; PLANT FIRE MARSHAL DUTIES AND RESPONSIBILITIES; WALKDOWN OF CONTROL ROOM INACCESSIBILITY PROCEDURE; COMMUNICATIONS; EMERGENCY LIGHTING; AND OIL COLLECTION SYSTEM FOR REACTOR COOLANT PUMPS. THE INSPECTION INVOLVED 40 INSPECTOR-HOURS BY ONE NRC INSPECTOR, INCLUDING 18 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHTEEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN FIFTEEN AREAS; FOUR APPARENT VIOLATIONS WERE IDENTIFIED IN EACH OF THE REMAINING THREE AREAS (MISSED SURVEILLANCE FOR PENETRATION FIRE BARRIERS (FIRE DAMPERS); FAILURE TO IMPLEMENT A CHECKLIST FOR AN APPARENT INOPERABLE PENETRATION FIRE BARRIERS; FAILURE TO DEVELOP A FORMAL PROCEDURE FOR THE PERIODIC INSPECTION OF THE FIRE BRIGADE/FIRE TEAM EQUIPMENT; FAILURE TO DOCUMENT THAT LICENSEE PERSONNEL OR OFFSITE CONTRACTOR PERSONNEL PERFORMING FIRE WATCH DUTIES ARE TRAINED.

INSPECTION ON OCTOBER 22-24, (84-17): ROUTINE, ANNOUNCED INSPECTION OF THE KEWAUNEE NUCLEAR POWER PLANT EMERGENCY PREPAREDNESS

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWt): 165

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

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

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

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

11. Reasons for Restrictions, If Any: _____
NONE

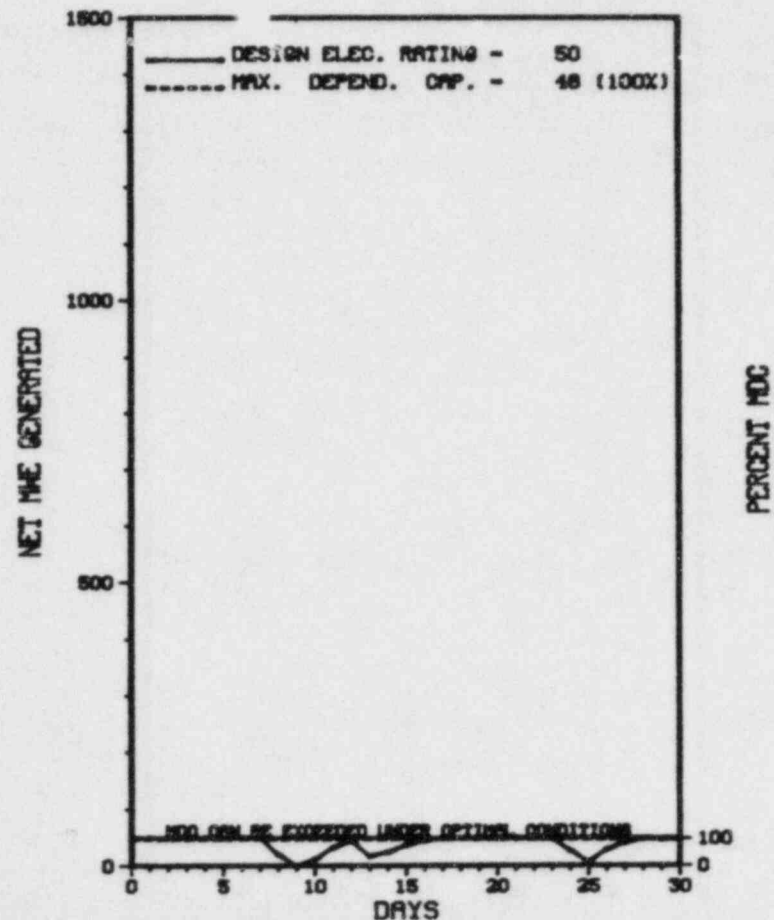
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>132,219.0</u>
13. Hours Reactor Critical	<u>686.7</u>	<u>6,693.0</u>	<u>87,437.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>635.8</u>	<u>6,323.3</u>	<u>81,159.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>94,837</u>	<u>951,885</u>	<u>11,234,189</u>
18. Gross Elec Ener (MWH)	<u>29,930</u>	<u>302,351</u>	<u>3,357,579</u>
19. Net Elec Ener (MWH)	<u>28,186</u>	<u>284,479</u>	<u>3,111,714</u>
20. Unit Service Factor	<u>88.3</u>	<u>78.6</u>	<u>61.4</u>
21. Unit Avail Factor	<u>88.3</u>	<u>78.6</u>	<u>61.4</u>
22. Unit Cap Factor (MDC Net)	<u>81.6</u>	<u>73.7</u>	<u>49.0</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>70.8</u>	<u>47.1</u>
24. Unit Forced Outage Rate	<u>11.7</u>	<u>19.3</u>	<u>10.3</u>
25. Forced Outage Hours	<u>84.2</u>	<u>1,510.5</u>	<u>8,353.8</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

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LA CROSSE



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-10	11/08/84	F	46.2	A	3	84-18	IA	INSTRU	THE REACTOR AUTOMATICALLY SHUTDOWN DUE TO A HIGH FLUX SPIKE ON NUCLEAR INSTRUMENTATIIN (NI) CH. 8 WHILE NI CH. 5 WAS BEING TESTED.
84-11	11/13/84	F	13.1	A	3	84-18	IA	INSTRU	THE REACTOR AUTOMATICALLY SHUTDOWN DUE TO A HIGH FLUX SPIKE ON NI. CH. 8, WHICH CAUSED A CORRESPONDING SPIKE ON POWER/RECIRCULATION FLOW CH. 2, WHICH PROVIDED THE TRIP SIGNAL. THE MULTIPLIER ON NI CH. 8 WAS FOUND TO BE MALFUNCTIONING INTERMITTANTLY AND WAS REPLACED.
84-12	11/24/84	F	24.9	G	3	84-21	HA	INSTRU	THE REACTOR AUTOMATICALLY SHUTDOWN FOLLOWING ACTION TAKEN IN RESPONSE TO GENERATOR VOLTAGE REGULATOR OUTPUT HIGH ALARMS. AN UNDERVOLTAGE CONDITION RESULTED ON THE 1B ESSENTIAL BUS.

 * SUMMARY *

 LACROSSE OPERATED WITH 3 OUTAGES AND NO REDUCTIONS DURING NOVEMBER.

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		

* LA CROSSE *

FACILITY DATA

Report Period NOV 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 SEPTEMBER 26 THROUGH OCTOBER 5, (84-12): ROUTINE, ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; QA PROGRAM IMPLEMENTATION; DESIGN CHANGES AND MODIFICATIONS; PROCUREMENT CONTROL; AUDIT PROGRAM; SURVEILLANCE PROCEDURES AND RECORDS; AND TEST AND MEASUREMENT EQUIPMENT. THE INSPECTION INVOLVED A TOTAL OF 126 INSPECTOR-HOURS ONSITE BY THREE REGIONAL INSPECTORS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS (FAILURE TO FOLLOW PROCEDURES FOR DOCUMENT CONTROL AND FAILURE TO MAINTAIN CONTROL OF MEASURING AND TEST EQUIPMENT).

INSPECTION ON OCTOBER 22 THROUGH 26, (84-14): ROUTINE, UNANNOUNCED INSPECTION OF RADIOACTIVE WASTE PROGRAMS, INCLUDING: EFFLUENT RELEASES; RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; CONTAINMENT AIR-CLEANING SYSTEMS; TRANSPORTATION OF SOLID WASTE ACTIVITIES; AND PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. ONE VIOLATION WAS IDENTIFIED (FAILURE TO HAVE A STRONG, TIGHT PACKAGE FOR TRANSPORT OF RADIOACTIVE WASTE-SECTION 11).

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V, AS IMPLEMENTED BY THE DAIRYLAND POWER COOPERATIVE QUALITY ASSURANCE PROGRAM DESCRIPTION (QAPD), REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INSTRUCTIONS, PROCEDURES, OR DRAWINGS.

1. Docket: 50-373 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

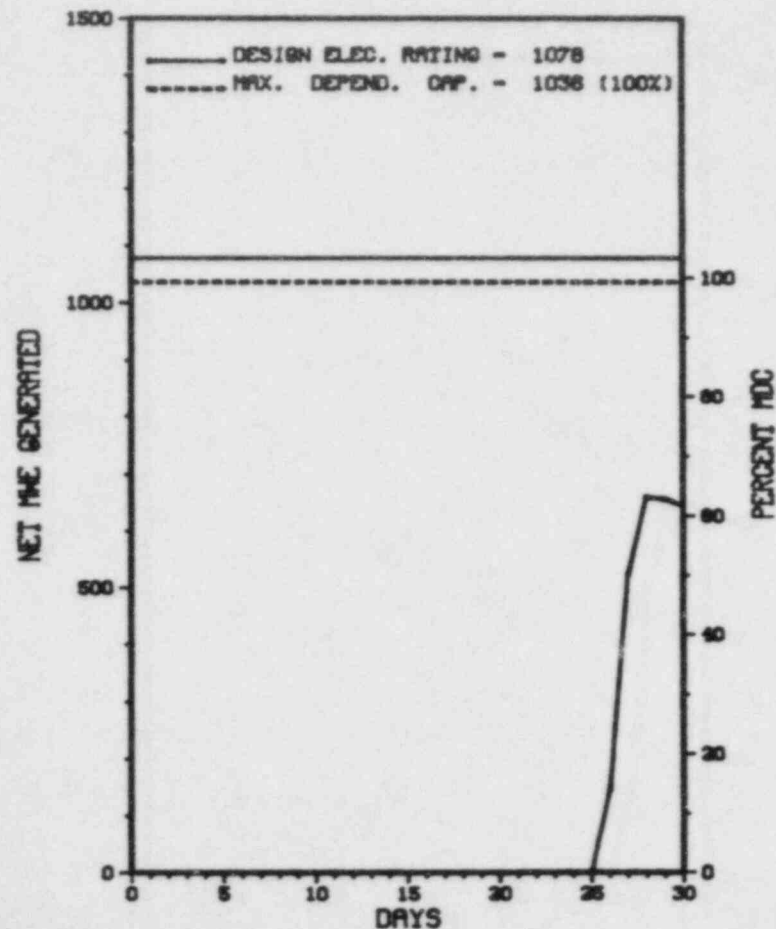
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>8,040.0</u>
13. Hours Reactor Critical	<u>158.8</u>	<u>5,536.0</u>	<u>5,536.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,164.9</u>	<u>1,164.9</u>
15. Hrs Generator On-Line	<u>117.3</u>	<u>5,311.0</u>	<u>5,311.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>224,474</u>	<u>20,942,201</u>	<u>20,942,201</u>
18. Gross Elec Ener (MWH)	<u>66,600</u>	<u>4,806,389</u>	<u>4,806,389</u>
19. Net Elec Ener (MWH)	<u>54,438</u>	<u>4,567,246</u>	<u>4,567,246</u>
20. Unit Service Factor	<u>16.3</u>	<u>66.1</u>	<u>66.1</u>
21. Unit Avail Factor	<u>16.3</u>	<u>66.1</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>7.3</u>	<u>53.1</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>7.0</u>	<u>52.7</u>	<u>52.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>16.8</u>	<u>16.8</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: N/A

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
LASALLE 1



NOVEMBER 1984

Report Period NOV 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	602.7	H	4				CONTINUATION OF MAINTENANCE OUTAGE.

* SUMMARY *

LASALLE 1 RETURNED ONLINE FROM A CONTINUING MAINTENANCE OUTAGE ON NOVEMBER 26TH 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)

* LASALLE 1 *

FACILITY DATA

Report Period NOV 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 NOVEMBER 8, OCTOBER 22, (83-52): REACTIVE, UNANNOUNCED SPECIAL SAFETY INSPECTION TO DETERMINE IF A PREVIOUSLY IDENTIFIED UNRESOLVED ITEM WAS A VIOLATION. THE INSPECTION INVOLVED A TOTAL OF 73 INSPECTOR-HOURS ONSITE BY ONE INSPECTOR INCLUDING 16 INSPECTOR-HOURS DURING OFF-SHIFTS. IN THE ONE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT ALL DESIGN REQUIREMENTS IN A SAFETY-RELATED SYSTEM.

INSPECTION ON OCTOBER 9-11, (84-18): ROUTINE, ANNOUNCED INSPECTION OF THE LASALLE STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 140 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 SEPTEMBER 18-20, 25, 26 AND OCTOBER 12 (84-24): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND WASTE CLASSIFICATION REQUIREMENTS. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

MEETING ON NOVEMBER 5, (84-27): A SPECIAL MEETING WAS CONDUCTED TO DISCUSS THE PROPOSED REVISIONS TO GENERATING STATIONS' EMERGENCY ACTION LEVELS (EALS). PROPOSED REVISIONS TO THE LASALLE COUNTY STATION'S EALS WERE REVIEWED AND COMMENTED ON. THE MEETING INVOLVED EIGHT INSPECTOR-HOURS BY TWO NRC INSPECTORS.

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-59	10/02/84	10/24/84	HPCS DISCHARGE RELIEF VALVE BELLOWS SEAL FAILURE
84-61	10/18/84	10/24/84	LLRT OF MISIV'S EXCEEDING 100 SCFH
84-62	09/30/84	10/30/84	LOSS OF SHUTDOWN COOLING DUE TO 1E12-F009 FAILURE
84-63	10/10/84	10/31/84	MECHANICAL SNUBBER FOUND LOCKED DURING ROUTINE SURVEILLANCE
84-64	10/04/84	11/02/84	CONTAINMENT B & C TESTS EXCEED TECH SPEC LIMIT
84-65	10/12/84	11/09/84	FAILURE OF 1E12-F041B LLRT
84-66	10/15/84	11/13/84	AMMONIA CHLORINE ESF ACTUATION
84-67	10/25/84	11/15/84	MECHANICAL FIRE PENETRATION
84-68	11/01/84	11/19/84	SPURIOUS TRIP OF CONTROL ROOM CHLORINE DETECTOR OAE-VC091A
84-69	10/23/84	11/19/84	LEAK IN NARROW RANGE LEVEL INDICATION VARIABLE LEG
84-70	10/25/84	11/19/84	UNCONTROLLED HIGH RADIATION AREA
84-71	10/24/84	11/20/84	INADVERTENT CLOSURE OF REACTOR WATER CLEANUP OUTBOARD ISOLATION VALVE
84-72	10/30/84	11/29/84	STANDBY GAS TREATMENT DOOR LEAKAGE EVENT

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-374 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>1,032.0</u>	<u>1,032.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>993.0</u>	<u>993.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>664.6</u>	<u>932.3</u>	<u>932.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,913,558</u>	<u>2,730,856</u>	<u>2,730,856</u>
18. Gross Elec Ener (MWH)	<u>628,250</u>	<u>898,623</u>	<u>898,623</u>
19. Net Elec Ener (MWH)	<u>607,018</u>	<u>829,715</u>	<u>829,715</u>
20. Unit Service Factor	<u>92.3</u>	<u>90.3</u>	<u>90.3</u>
21. Unit Avail Factor	<u>92.3</u>	<u>90.3</u>	<u>90.3</u>
22. Unit Cap Factor (MDC Net)	<u>81.4</u>	<u>77.6</u>	<u>77.6</u>
23. Unit Cap Factor (DER Net)	<u>78.2</u>	<u>74.6</u>	<u>74.6</u>
24. Unit Forced Outage Rate	<u>7.7</u>	<u>9.7</u>	<u>9.7</u>
25. Forced Outage Hours	<u>55.4</u>	<u>99.7</u>	<u>99.7</u>

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

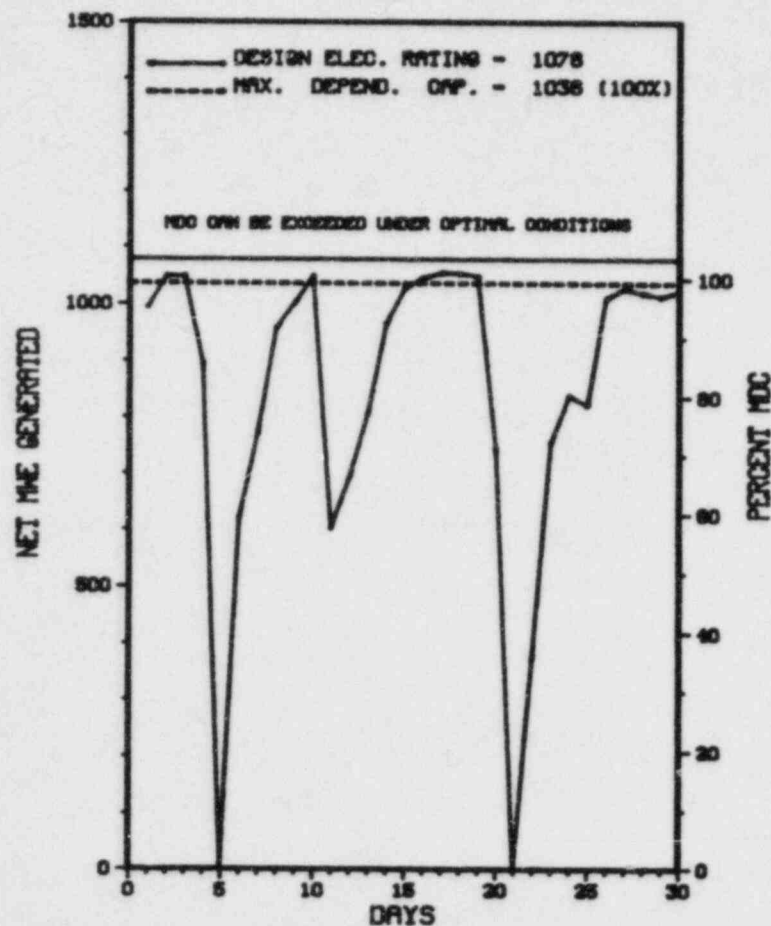
NONE

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

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	11/05/84	F	21.0	A	1				TURBINE/GENERATOR TAKEN OFF LINE FOR STOP VALVE MAINTENANCE WORK.
3	11/11/84	S	0.0	H	5				POWER REDUCTION FOR A ROD SEQUENCE CHANGE.
4	11/20/84	F	34.4	A	1				TURBINE/GENERATOR TAKEN OFF LINE FOR BYPASS VALVE MAINTENANCE WORK.

 * SUMMARY *

 LASALLE 2 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING 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 NOV 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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 NOVEMBER 8, OCTOBER 22, (83-55): REACTIVE, UNANNOUNCED SPECIAL SAFETY INSPECTION TO DETERMINE IF A PREVIOUSLY IDENTIFIED UNRESOLVED ITEM WAS A VIOLATION. THE INSPECTION INVOLVED A TOTAL OF 73 INSPECTOR-HOURS ONSITE BY ONE INSPECTOR INCLUDING 16 INSPECTOR-HOURS DURING OFF-SHIFTS. IN THE ONE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT ALL DESIGN REQUIREMENTS IN A SAFETY-RELATED SYSTEM.

INSPECTION ON OCTOBER 9-11, (84-24): ROUTINE, ANNOUNCED INSPECTION OF THE LASALLE STATION EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY NINE NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 140 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 SEPTEMBER 18-20, 25, 26 AND OCTOBER 12 (84-31): SPECIAL ANNOUNCED INSPECTION OF IMPLEMENTATION OF 10 CFR PART 20 AND 10 CFR PART 61 REQUIREMENTS FOR DISPOSAL OF LOW-LEVEL RADIOACTIVE WASTES INCLUDING MANAGEMENT CONTROLS, QUALITY CONTROL, TOUR OF THE FACILITY, AND IMPLEMENTATION OF WASTE FORM AND WASTE CLASSIFICATION REQUIREMENTS. THE INSPECTION INVOLVED 23 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

MEETING ON NOVEMBER 5, (84-35): A SPECIAL MEETING WAS CONDUCTED TO DISCUSS THE PROPOSED REVISIONS TO GENERATING STATIONS' EMERGENCY ACTION LEVELS (EALS). PROPOSED REVISIONS TO THE LASALLE COUNTY STATION'S EALS WERE REVIEWED AND COMMENTED ON. THE MEETING INVOLVED EIGHT INSPECTOR-HOURS BY TWO NRC INSPECTORS.

Report Period NOV 1984

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

* LASALLE 2 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT DECLARED COMMERCIAL 10/17/84. OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: NOVEMBER 27 - DECEMBER 7, 1984

INSPECTION REPORT NO: 84-39

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
84-70	10/09/84	10/31/84	UNSECURED HIGH RADIATION AREA
84-71	10/27/84	11/26/84	APRM HI-HI SCRAM
84-72	10/29/84	11/26/84	VR ISOLATION DAMPER CLOSURE ON WRONG UNIT

=====

1. Docket: 50-309 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

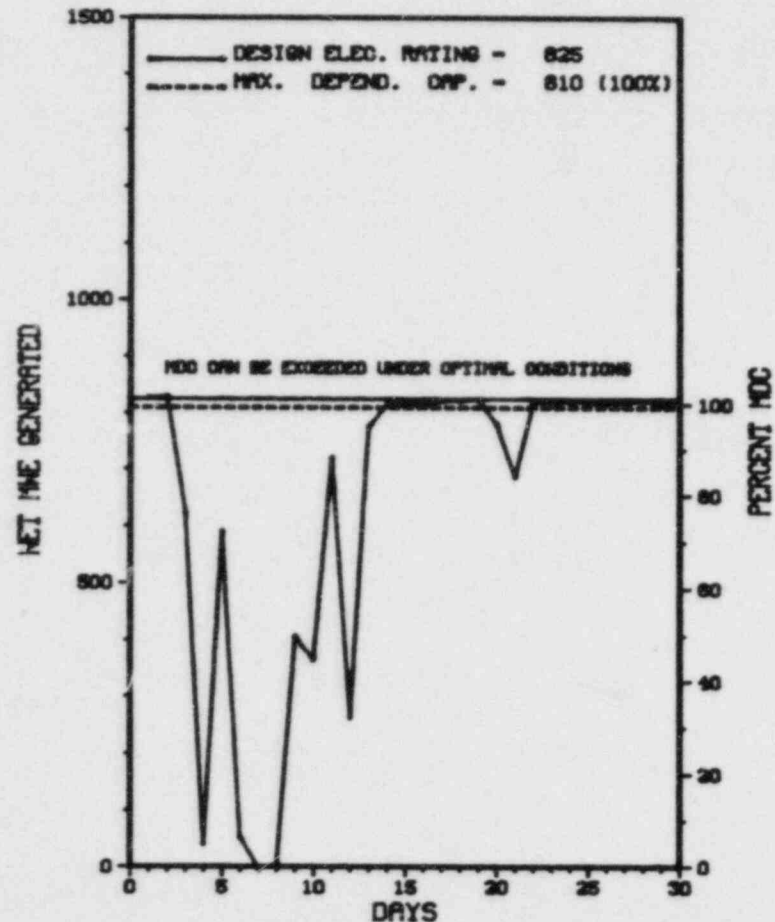
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>105,732.6</u>
13. Hours Reactor Critical	<u>629.4</u>	<u>5,944.8</u>	<u>84,556.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>616.4</u>	<u>5,790.2</u>	<u>81,869.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,456,885</u>	<u>14,275,500</u>	<u>183,387,288</u>
18. Gross Elec Ener (MWH)	<u>484,240</u>	<u>4,677,070</u>	<u>60,030,220</u>
19. Net Elec Ener (MWH)	<u>462,555</u>	<u>4,513,847</u>	<u>57,215,549</u>
20. Unit Service Factor	<u>85.6</u>	<u>72.0</u>	<u>77.4</u>
21. Unit Avail Factor	<u>85.6</u>	<u>72.0</u>	<u>77.4</u>
22. Unit Cap Factor (MDC Net)	<u>79.3</u>	<u>69.3</u>	<u>68.8*</u>
23. Unit Cap Factor (DER Net)	<u>77.9</u>	<u>68.1</u>	<u>66.9*</u>
24. Unit Forced Outage Rate	<u>14.4</u>	<u>3.5</u>	<u>7.4</u>
25. Forced Outage Hours	<u>103.6</u>	<u>210.6</u>	<u>5,624.0</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>N/A</u>			

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MAINE YANKEE



* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	11/03/84	F	15.5	A	3	84-015-00	HB	VALVEX	NO. 1 TURBINE STOP CAUSING SECONDARY SIDE PRESSURE SPIKE, CAUSING LOW S/G LEVEL TRIP.
2	11/04/84	F	5.7	G	3	84-015-00	HH	VALVEX	OPERATOR OPENED MFRV ISOLATION VALVE AT LOWER POWER WITH MFRV SIGNAL FULL OPEN, CAUSING S/G NO. 3 OVERFILL WHICH COOLED THE COLD LEG, CAUSING VARIABLE OVERPOWER TRIP.
3	11/05/84	F	65.7	A	1		HB	VALVEX	OPERATORS DETERMINED THAT NO. 1 TURBINE STOP VALVE HAD NOT COME FULL OPEN. SHUT DOWN TO REPAIR.
4	11/10/84	F	6.3	A	3	84-016-00	HH	VALVEX	TURBINE DRIVEN MFW APPARENTLY FAILED OPEN CAUSING LOW S/G LEVEL TRIP.
5	11/11/84	F	10.4	A	3	84-016-00	HH	VALVEX	TURBINE DRIVEN MFW PUMP RECIRC CALVE APPARENTLY FAILED OPEN CAUSING UNIT TRIP ON LOW PUMP SUCTION PRESS.
6	11/20/84	F	0.0	A	5		HH	HTEXCH	REDUCED POWER TO REPAIR LEAK ON FEEDWATER HEATER.

 * SUMMARY *

 MAINE YANKEE OPERATED WITH 5 OUTAGES AND 1 REDUCTION DURING NOVEMBER.

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)

* MAINE YANKEE *

FACILITY DATA

Report Period NOV 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

CONTRARY TO T.S. 5.8.1.A AND APP A OF REG GUIDE 1.33 ON TWO DIFFERENT OCCASIONS, MORE THAN ONE GROUP OF RODS WAS MANIPULATED AT A TIME DURING CONTROL ROD TESTING. LEVEL 4 SUPP I (8409 4)

CONTRARY TO TS.3.13.D.7, WHILE CONDUCTING CORE GEOMETRY CHANGES, NO AUDIBLE NEUTRON COUNT RATE WAS FUNCTIONING IN CONTAINMENT - LEVEL 5 SUPP I CONTRARY TO T.S. 5.5.A.7.G WHEN INFORMATION BECAME AVAILABLE THAT INDICATED THAT MODIFICATIONS TO THE PLANT HAD DEGRADED THE WIDE-RANGE LOGARITHMIC POWER INDICATION, PORC DID NOT REVIEW THE DEGRADATION OF THE NUCLEAR INSTRUMENTATION. LEVEL 5 SUPP I (8409 5)

10 CFR 50 APPENDIX R, SECTION II.C REQUIRES THE IDENTIFICATION AND CONTROL OF FIVE HAZARDS IN AREA THAT EITHER CONTAIN OR PRESENT A HAZARD TO STRUCTURES, SYSTEMS AND COMPONENTS IMPORTANT TO SAFETY. CONTRARY TO THE ABOVE APPROXIMATELY 25 GALLONS OF OIL WAS FOUND IN A DRUM WITHOUT THE PROPER COVER OR OTHER SUITABLE FIRE PROTECTION. ALSO 6 GALLONS OF FLAMMABLE SOLVENT WAS FOUND IN AN

ENFORCEMENT SUMMARY

AREA CONTAINING SYSTEMS AND COMPONENTS IMPORTANT TO SAFETY. THIS IS A SEVERITY LEVEL IV VIOLATION (SUPPLEMENT I). TECHNICAL SPECIFICATION 3.23E REQUIRES THAT NONFUNCTIONAL FIRE BARRIER PENETRATIONS HAVE A CONTINUOUS FIRE WATCH ON AT LEAST ONE SIDE OF THE PENETRATION. CONTRARY TO THE ABOVE, FIRE WATCHES WERE NOT ASSIGNED TO THE NON-FUNCTIONAL DOORS 1 AND 2 OF THE SPRAY BUILDING VALVE ROOM BETWEEN THE PERIOD OF MAY 17, 1984 AND JUNE 27, 1984. THIS IS A SEVERITY LEVEL IV VIOLATION.
(8415 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: 50-369 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

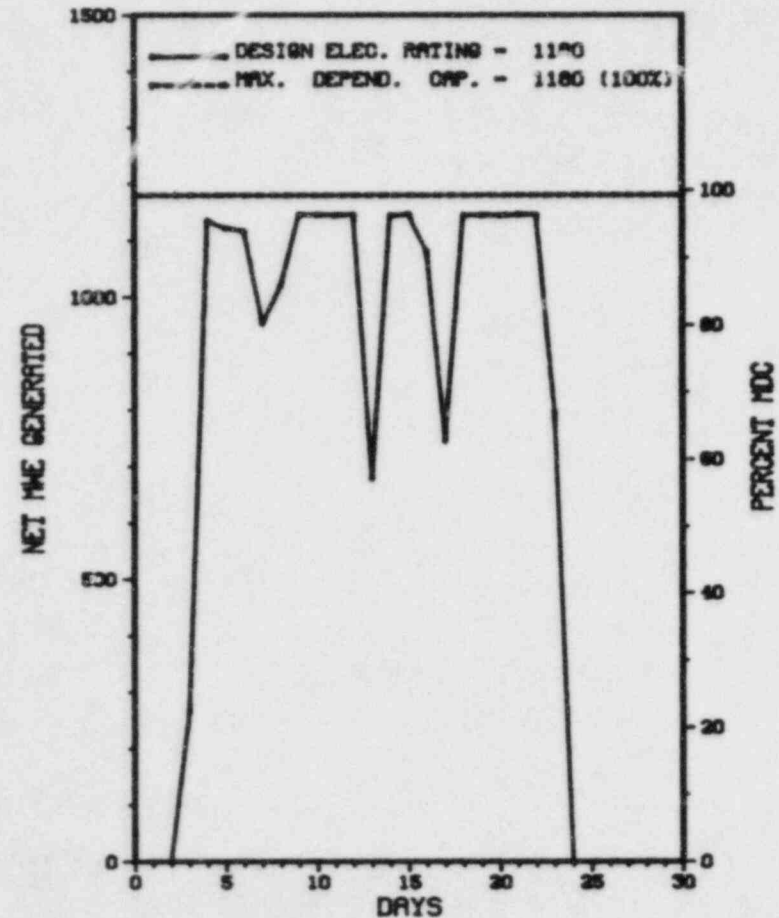
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>26,304.0</u>
13. Hours Reactor Critical	<u>494.2</u>	<u>5,944.5</u>	<u>18,472.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>491.0</u>	<u>5,874.1</u>	<u>17,823.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,553,094</u>	<u>19,139,440</u>	<u>46,576,509</u>
18. Gross Elec Ener (MWH)	<u>537,374</u>	<u>6,640,018</u>	<u>16,157,142</u>
19. Net Elec Ener (MWH)	<u>512,120</u>	<u>6,359,136</u>	<u>15,315,391</u>
20. Unit Service Factor	<u>68.2</u>	<u>73.1</u>	<u>67.8</u>
21. Unit Avail Factor	<u>68.2</u>	<u>73.1</u>	<u>67.8</u>
22. Unit Cap Factor (MDC Net)	<u>60.3</u>	<u>67.0</u>	<u>49.3</u>
23. Unit Cap Factor (DER Net)	<u>60.3</u>	<u>67.0</u>	<u>49.3</u>
24. Unit Forced Outage Rate	<u>10.7</u>	<u>6.0</u>	<u>16.3</u>
25. Forced Outage Hours	<u>58.7</u>	<u>374.9</u>	<u>3,460.4</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>REFUELING - MARCH 20, 1985 - 7 WEEKS.</u>			
27. If Currently Shutdown Estimated Startup Date: <u>12/22/84</u>			

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MCGUIRE 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	11/01/84	F	9.2	A	1		SF	ACCUMU	UPPER HEAD INJECTION CHEMISTRY PROBLEMS.
10A	11/01/84	F	49.5	G	1		SF	ACCUMU	ACCUMULATOR LEVEL SWITCHES IMPROPERLY CONNECTED.
41-P	11/05/84	S	0.0	B	5		IB	INSTRU	INCORE/EXCORE CALIBRATIONS.
42-P	11/06/84	S	0.0	B	5		RB	FUELXX	END OF CYCLE MODERATOR TEMP. COEFFICIENT DETERMINATION.
43-P	11/07/84	F	0.0	A	5		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
44-P	11/13/84	F	0.0	A	5		HA	INSTRU	FAULTY SIGNAL ON TURBINE SUPERVISORY SYSTEM.
45-P	11/16/84	F	0.0	A	5		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
11	11/23/84	S	170.3	F	1		ZZ	ZZZZZ	MAINTENANCE OUTAGE TO HELP ELIMINATE OVERLAPPING UNIT REFUELS.

 * SUMMARY *

 MCGUIRE 1 OPERATED WITH 5 REDUCTIONS AND 3 OUTAGES, SHUTTING DOWN ON NOVEMBER 23RD 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)

* MCGUIRE 1 *

FACILITY DATA

Report Period NOV 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.....PHR
DATE INITIAL CRITICALITY...AUGUST 8, 1981
DATE ELEC ENER 1ST GENER...SEPTEMBER 12, 1981
DATE COMMERCIAL OPERATE....DECEMBER 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER....LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION JULY 30 - AUGUST 3 AND 9 (84-24): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 45 INSPECTOR-HOURS IN THE AREA OF SEVEN NUREG 0737 ITEMS INCLUDING 1.A.1.1 SHIFT TECHNICAL ADVISOR; 1.A.1.2 SHIFT SUPERVISOR ADMINISTRATIVE DUTIES; 1.A.1.3 SHIFT MANNING; 1.C.2 SHIFT RELIEF AND TURNOVER; 1.C.3 SHIFT SUPERVISOR RESPONSIBILITIES; 1.C.4 CONTROL ROOM ACCESS; AND 1.C.6 VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES. THE INSPECTION INCLUDED A REVIEW OF DOCUMENTS RELATED TO THESE NUREG 0737 ITEMS AS WELL AS OBSERVATION OF CONTROL ROOM ACTIVITIES AND INTERVIEWS WITH OPERATIONS AND TRAINING PERSONNEL. OF THE SEVEN AREAS INSPECTED, THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED (FAILURE TO ESTABLISH, IMPLEMENT AND MAINTAIN PROCEDURES FOR NUREG-0737 REQUIREMENTS, 5, 7, 8, 9, AND 10; FAILURE TO MEET TECHNICAL SPECIFICATION 6.1.2; FAILURE TO MEET TECHNICAL SPECIFICATION 6.5.1.1).

INSPECTION AUGUST 20 - SEPTEMBER 20 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO REPORT A CONDITION WHICH COULD HAVE PREVENTED THE FULFILLMENT OF THE SAFETY FUNCTION OF STRUCTURE/SYSTEM NEEDED TO CONTROL RELEASE OF RADIOACTIVE MATERIAL.

INSPECTION SEPTEMBER 20 - OCTOBER 20 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 107 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE THREE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period NOV 1984

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

* MCGUIRE 1 *

OTHER ITEMS

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: OCTOBER 22-26, 1984 +

INSPECTION REPORT NO: 50-369/84-32 +

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
84-025	06/27/84	11/09/84	CONTAINMENT SPRAY VENT VALVE FOUND OPEN, DUE TO PERSONNEL ERROR.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-370 OPERATING STATUS
 2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
 3. Utility Contact: J. A. REAVIS EXT (704) 373-7567
 4. Licensed Thermal Power (Mwt): 3411
 5. Nameplate Rating (Gross MWe): 1450 X .9 = 1305
 6. Design Electrical Rating (Net MWe): 1180
 7. Maximum Dependable Capacity (Gross MWe): 1225
 8. Maximum Dependable Capacity (Net MWe): 1180
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>6,600.0</u>	<u>6,600.0</u>
13. Hours Reactor Critical	<u>629.6</u>	<u>5,467.7</u>	<u>5,467.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>626.8</u>	<u>5,432.5</u>	<u>5,432.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,822,772</u>	<u>17,651,773</u>	<u>17,651,773</u>
18. Gross Elec Ener (MWH)	<u>636,876</u>	<u>6,240,440</u>	<u>6,240,440</u>
19. Net Elec Ener (MWH)	<u>607,908</u>	<u>5,989,481</u>	<u>5,989,481</u>
20. Unit Service Factor	<u>87.1</u>	<u>82.3</u>	<u>82.3</u>
21. Unit Avail Factor	<u>87.1</u>	<u>82.3</u>	<u>82.3</u>
22. Unit Cap Factor (MDC Net)	<u>71.6</u>	<u>76.9</u>	<u>76.9</u>
23. Unit Cap Factor (DER Net)	<u>71.6</u>	<u>76.9</u>	<u>76.9</u>
24. Unit Forced Outage Rate	<u>12.9</u>	<u>16.6</u>	<u>16.6</u>
25. Forced Outage Hours	<u>93.2</u>	<u>1,080.9</u>	<u>1,080.9</u>

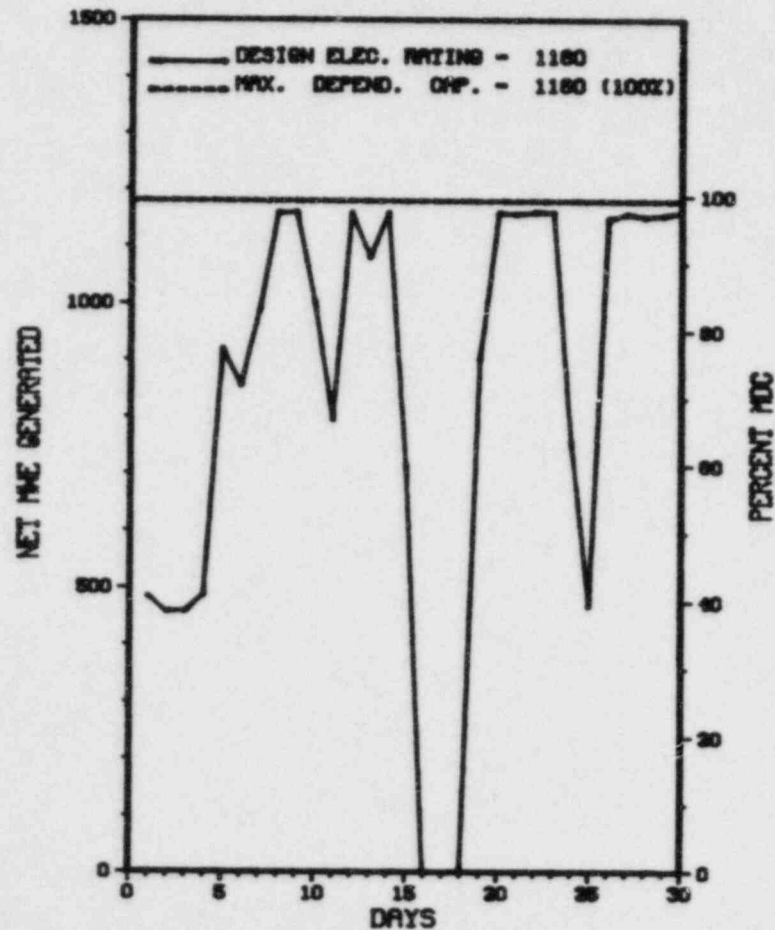
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - JANUARY 12, 1985 - 8 WEEKS.

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
60-P	11/01/84	F	0.0	A	5		SF	ACCUMU	UPPER HEAD INJECTION CHEMISTRY PROBLEMS.
61-P	11/05/84	F	0.0	A	5		AA	HTEXCH	HIGH LOWER CONTAINMENT TEMPERATURE.
62-P	11/05/84	F	0.0	A	5		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
63-P	11/06/84	F	0.0	A	5		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
64-P	11/10/84	F	0.0	A	5		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
65-P	11/13/84	F	0.0	A	5		SF	INSTRU	UPPER HEAD INJECTION VALVE INOPERABLE-LOW HYDRAULIC PRESSURE.
16	11/15/84	F	77.8	A	2		AA	HTEXCH	CONTAINMENT VENTILATION UNIT BACTERIA BURNOUT.
17	11/24/84	F	15.4	B	3		IB	INSTRU	RECEIVED SPIKE IN A SECOND CHANNEL WHILE FIRST CHANNEL OUT OF SERVICE.
66-P	11/26/84	F	0.0	A	5		IB	INSTRU	PRESSURIZER PRESSURE BISTABLES TRIPPED.
67-P	11/26/84	F	0.0	A	5		IB	INSTRU	ADJUST TWO REACTOR PROTECTION SYSTEM CHANNELS.
68-P	11/30/84	S	0.0	B	5		IB	INSTRU	INCORE/EXCORE CALIBRATIONS.

 * SUMMARY *

 MCGUIRE 2 OPERATED NORMALLY DURING 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)

* MCGUIRE 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NORTH CAROLINA
COUNTY.....MECKLENBURG
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI N OF
CHARLOTTE, NC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 8, 1983
DATE ELEC ENER 1ST GENER...MAY 23, 1983
DATE COMMERCIAL OPERATE...MARCH 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....POWER BLDG., BOX 2178
CHARLOTTE, NORTH CAROLINA 28201
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE POWER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. ORDERS
LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....50-370
LICENSE & DATE ISSUANCE...NPF-17, MAY 27, 1983
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

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

INSPECTION SUMMARY

+ INSPECTION JULY 30 - AUGUST 3 AND 9 (84-21): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 45 INSPECTOR-HOURS IN THE AREA OF SEVEN NUREG 0737 ITEMS INCLUDING 1.A.1.1 SHIFT TECHNICAL ADVISOR; 1.A.1.2 SHIFT SUPERVISOR ADMINISTRATIVE DUTIES; 1.A.1.3 SHIFT MANNING; 1.C.2 SHIFT RELIEF AND TURNOVER; 1.C.3 SHIFT SUPERVISOR RESPONSIBILITIES; 1.C.4 CONTROL ROOM ACCESS; AND 1.C.6 VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES. THE INSPECTION INCLUDED A REVIEW OF DOCUMENTS RELATED TO THESE NUREG 0737 ITEMS AS WELL AS OBSERVATION OF CONTROL ROOM ACTIVITIES AND INTERVIEWS WITH OPERATIONS AND TRAINING PERSONNEL. OF THE SEVEN AREAS INSPECTED, THREE VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED (FAILURE TO ESTABLISH, IMPLEMENT AND MAINTAIN PROCEDURES FOR NUREG-0737 REQUIREMENTS, 5, 7, 8, 9, AND 10; FAILURE TO MEET TECHNICAL SPECIFICATION 6.1.2; FAILURE TO MEET TECHNICAL SPECIFICATION 6.5.1.1).

INSPECTION AUGUST 20 - SEPTEMBER 20 (84-22): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 150 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. ONE VIOLATION WAS IDENTIFIED - FAILURE TO REPORT A CONDITION WHICH COULD HAVE PREVENTED THE FULFILLMENT OF THE SAFETY FUNCTION OF STRUCTURE/SYSTEM NEEDED TO CONTROL RELEASE OF RADIOACTIVE MATERIAL.

INSPECTION SEPTEMBER 20 - OCTOBER 20 (84-27): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 107 (RESIDENT) INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS SAFETY VERIFICATION, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE THREE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-245 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

4. Licensed Thermal Power (MWh): 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

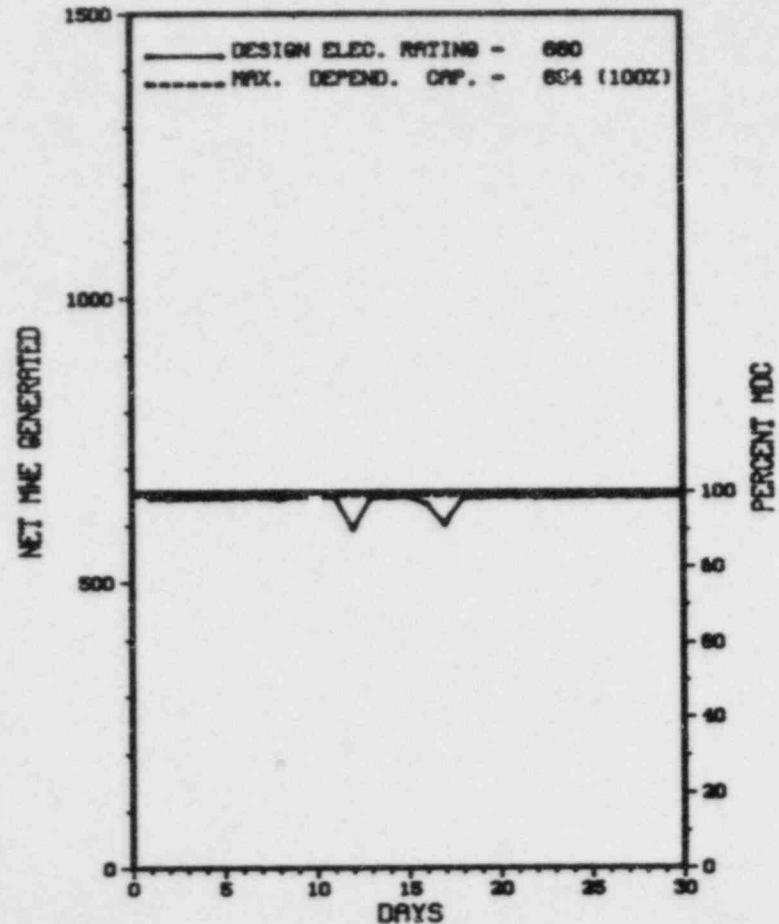
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>122,784.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,246.2</u>	<u>93,011.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,773.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,175.3</u>	<u>90,192.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>26.5</u>
17. Gross Therm Ener (MWH)	<u>1,435,413</u>	<u>11,904,218</u>	<u>164,953,086</u>
18. Gross Elec Ener (MWH)	<u>486,500</u>	<u>4,038,600</u>	<u>55,401,796</u>
19. Net Elec Ener (MWH)	<u>465,100</u>	<u>3,849,580</u>	<u>52,830,837</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.8</u>	<u>73.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.8</u>	<u>73.5</u>
22. Unit Cap Factor (MDC Net)	<u>98.8</u>	<u>73.2</u>	<u>65.8</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>72.5</u>	<u>65.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.7</u>	<u>13.2</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



NOVEMBER 1984

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

NONE

 * SUMMARY *

 MILLSTONE 1 OPERATED AT FULL POWER DURING NOVEMBER.

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)

X MILLSTONE 1 X

FACILITY DATA

Report Period NOV 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):

Report Period NOV 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)

* M I L L S T O N E 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: 59-336 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): 866

8. Maximum Dependable Capacity (Net MWe): 833

9. If Changes Occur Above Since Last Report, Give Reasons:
CONDENSER TUBE & FEEDWATER FOULING.

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

11. Reasons for Restrictions, If Any: _____
NONE

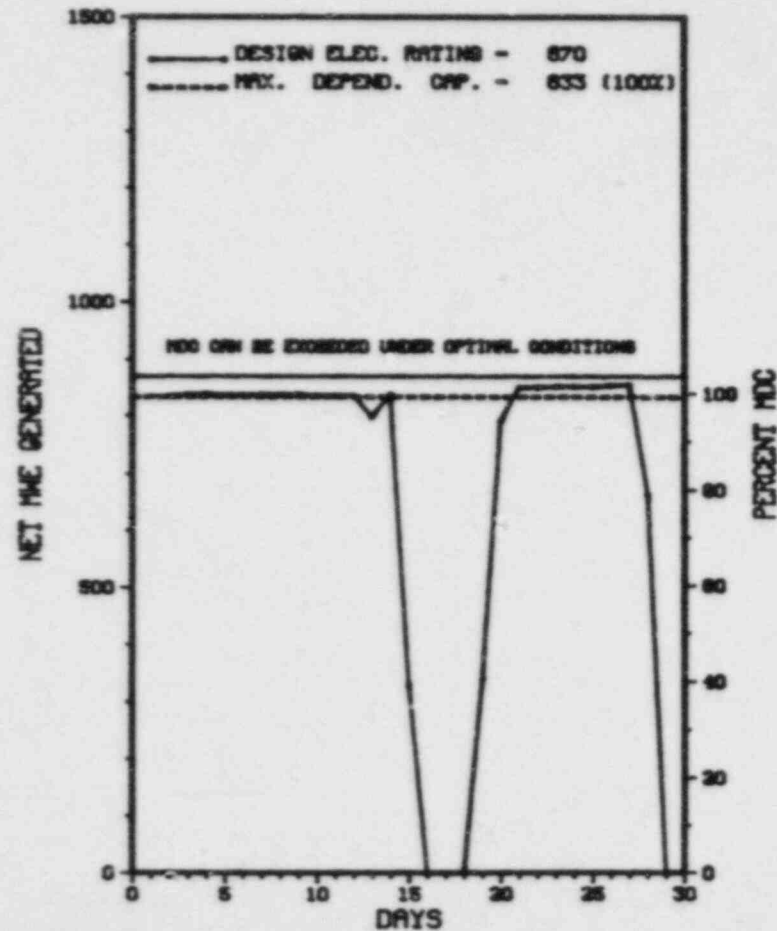
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>78,312.0</u>
13. Hours Reactor Critical	<u>655.9</u>	<u>7,852.8</u>	<u>56,217.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>583.3</u>	<u>7,477.4</u>	<u>53,659.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,524,599</u>	<u>19,437,265</u>	<u>135,753,641</u>
18. Gross Elec Ener (MWH)	<u>492,400</u>	<u>6,241,101</u>	<u>44,038,473</u>
19. Net Elec Ener (MWH)	<u>470,885</u>	<u>5,996,911</u>	<u>42,213,659</u>
20. Unit Service Factor	<u>81.0</u>	<u>93.0</u>	<u>68.5</u>
21. Unit Avail Factor	<u>81.0</u>	<u>93.0</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>78.5</u>	<u>87.0</u>	<u>64.1*</u>
23. Unit Cap Factor (DER Net)	<u>75.2</u>	<u>85.7</u>	<u>63.2*</u>
24. Unit Forced Outage Rate	<u>19.0</u>	<u>4.0</u>	<u>17.3</u>
25. Forced Outage Hours	<u>136.7</u>	<u>310.1</u>	<u>9,932.9</u>

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

27. If Currently Shutdown Estimated Startup Date: 12/10/84

* MILLSTONE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MILLSTONE 2



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	11/15/84	F	84.4	A	3	84-11	CD	VALVOP	UNIT TRIPPED FROM 100% POWER DUE TO CLOSURE OF THE NO. 1 STEAM GENERATOR MAIN STEAM ISOLATION VALVE. THE CAUSE OF THE VALVE CLOSURE WAS A FAILED AIR CYLINDER ON THE VALVE OPERATOR. AIR CYLINDERS ON BOTH MAIN STEAM ISOLATION VALVE AIR CYLINDERS WERE REPLACED. SEE LER.
13	11/28/84	F	52.3	A	2	84-12	CH	HTEXCH	UNIT WAS IN PROCESS OF SHUTTING DOWN FROM 100% POWER DUE TO EXCESSIVE TUBE LEAKAGE IN THE 5A FEEDWATER HEATER. AT APPROXIMATELY 70% POWER THE PLANT WAS MANUALLY TRIPPED DUE TO HIGH 5A HTR. LEVEL. PLUGGED LEAKING TUBES.

 * SUMMARY *

 MILLSTONE 2 SHUTDOWN ON NOVEMBER 28TH FOR EQUIPMENT REPAIRS.

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)

* MILLSTONE 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....J. SHEDLOSKY
LICENSING PROJ MANAGER.....D. OSBORNE
DOCKET NUMBER.....50-336
LICENSE & DATE ISSUANCE...DPR-65, SEPTEMBER 30, 1975
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: 50-263 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

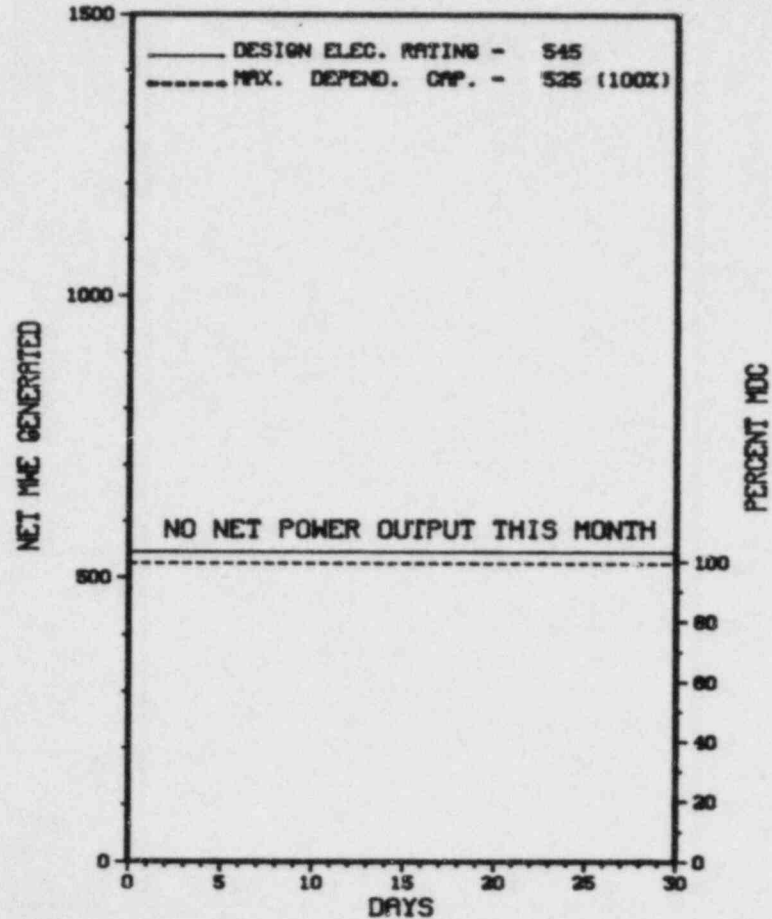
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>117,649.0</u>
13. Hours Reactor Critical	<u>.1</u>	<u>810.6</u>	<u>89,915.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>808.8</u>	<u>88,003.0</u>
16. Unit Reserve Shtdwn 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>-2,362</u>	<u>266,507</u>	<u>43,178,813</u>
20. Unit Service Factor	<u>.0</u>	<u>10.1</u>	<u>74.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>10.1</u>	<u>74.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>6.3</u>	<u>69.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>6.1</u>	<u>67.3</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: 12/15/84

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MONTICELLO



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		ZZ	ZZZZZZ	CONTINUATION OF 1984 REFUELING AND MAINTENANCE OUTAGE.

***** MONTICELLO REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

 * MONTICELLO *

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

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION STATE.....MINNESOTA
 COUNTY.....WRIGHT
 DIST AND DIRECTION FROM NEAREST POPULATION CTR...30 MI NW OF MINNEAPOLIS, MINN

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSE.....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

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

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 ON SEPTEMBER 17-19, OCTOBER 29-30, (84-32): ANNOUNCED SPECIAL SAFETY INSPECTION OF RECIRCULATION AND RHR SYSTEM PIPING REPLACEMENT, 10 CFR PART 21, INSERVICE INSPECTION (ISI) ACTIVITIES AND LICENSEE EVENT REPORT (LERS). THIS INSPECTION INVOLVED A TOTAL OF 37 INSPECTOR-HOURS BY ONE NRC INSPECTOR INCLUDING 12 INSPECTOR-HOURS DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 1-3, (84-22): ROUTINE ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED EMERGENCY PREPAREDNESS ITEMS; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE AUDITS; MAINTENANCE OF EMERGENCY PREPAREDNESS; AND IMPLEMENTATION OF THE EMERGENCY PLAN. THE INSPECTION INVOLVED 85 INSPECTOR-HOURS ON SITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS. OF THE SIX AREAS INSPECTED, ONE APPARENT ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN ONE AREA (FAILURE TO TRAIN FOUR DESIGNATED EMERGENCY DIRECTORS IN EMERGENCY PREPAREDNESS).

INSPECTION ON OCTOBER 22-26 AND OCTOBER 31 THROUGH NOVEMBER 2 (84-23): ROUTINE, ANNOUNCED INSPECTION OF REFUELING PREPARATIONS AND REFUELING ACTIVITIES. THE INSPECTION INVOLVED A TOTAL OF 54 INSPECTOR-HOURS ONSITE BY 1 NRC INSPECTOR INCLUDING 5 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 22-26, (84-24): ROUTINE, UNANNOUNCED INSPECTION OF THE RADIATION PROTECTION PROGRAM, RADIO-ACTIVE WASTE SYSTEMS, AND TRANSPORTATION OF RADIOACTIVE MATERIALS INCLUDING: ORGANIZATION AND MANAGEMENT CONTROL; TRAINING AND QUALIFICATIONS;

Report Period NOV 1984

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

* MONTICELLO *

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-30	10/09/84	11/08/84	E-MODE OF EFT ACTUATED BY TOXIC CHEMICAL MONITORS
84-31	10/16/84	11/09/84	E-MODE OF EFT ACTUATED BY CHOLORINE MONITOR

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-220 O P E R A T I N G S T A T U S
2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
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

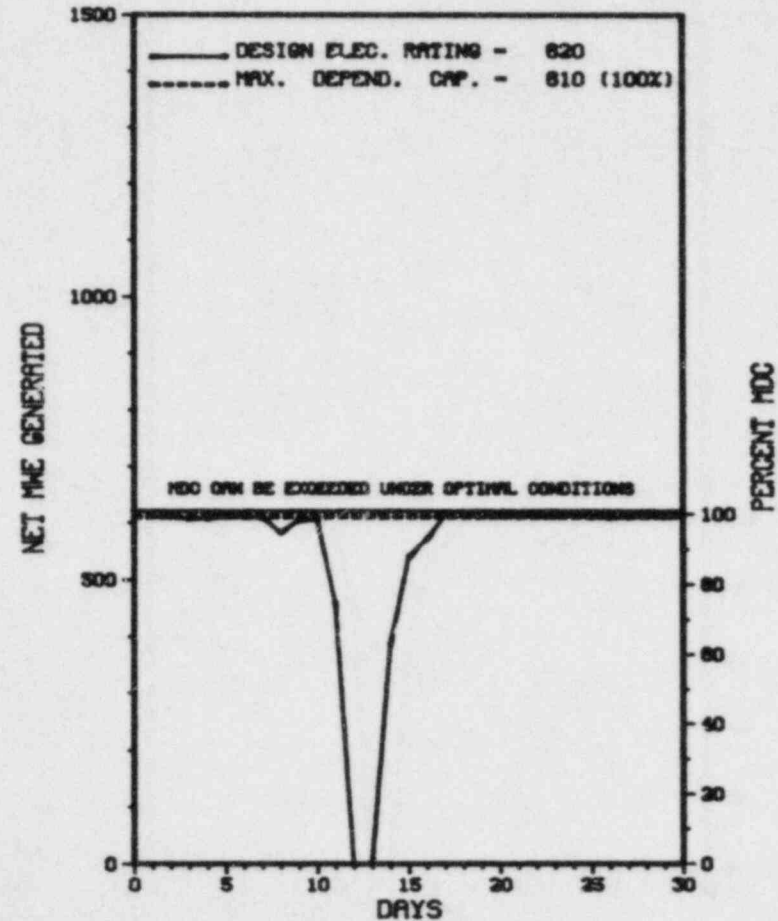
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>132,216.0</u>
13. Hours Reactor Critical	<u>688.0</u>	<u>5,722.0</u>	<u>92,024.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>667.5</u>	<u>5,639.0</u>	<u>89,127.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,209,353</u>	<u>9,970,412</u>	<u>148,064,769</u>
18. Gross Elec Ener (MWH)	<u>410,076</u>	<u>3,332,016</u>	<u>48,963,798</u>
19. Net Elec Ener (MWH)	<u>397,719</u>	<u>3,230,638</u>	<u>47,425,397</u>
20. Unit Service Factor	<u>92.7</u>	<u>70.1</u>	<u>67.4</u>
21. Unit Avail Factor	<u>92.7</u>	<u>70.1</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>90.6</u>	<u>65.9</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>89.1</u>	<u>64.8</u>	<u>57.9</u>
24. Unit Forced Outage Rate	<u>7.3</u>	<u>.9</u>	<u>16.5</u>
25. Forced Outage Hours	<u>52.5</u>	<u>52.5</u>	<u>12,993.4</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



NOVEMBER 1984

 * NINE MILE POINT 1 *

UNIT SHUTDOWNS / REDUCTIONS

Report Period NOV 1984

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-14	11/08/84	F	0.0	A	5			NO. 13 FEEDWATER PUMP CONTROLLER REPLACEMENT CAUSED POWER REDUCTION TO 80% POWER.
84-15	11/11/84	F	37.5	A	1			SHUTDOWN BECAUSE OF OIL LEAK IN TURBINE CONTROL CABINET.
84-16	11/14/84	F	15.0	A	3			WHILE STARTING UP, SCRAMMED ON REACTOR LO LEVEL DUE TO MECHANICAL PRESSURE REGULATOR MALFUNCTION.

NINE MILE POINT 1 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING NOVEMBER.

 * 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)

* NINE MILE POINT 1 *

FACILITY DATA

Report Period NOV 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

TECHNICAL SPECIFICATION 6.8.1 REQUIRES IN PART THAT WRITTEN PROCEDURES AND ADMINISTRATION POLICIES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. FUEL HANDLING PROCEDURE FHP-2A "REACTOR BUILDING CLEAN ROOM WORK AND TOOL CONTROL" REV 2. SECTION 7.D REQUIRES IN PART THAT ALL TOOLS & CONSUMABLE MATERIAL USED OVER THE OPEN REACTOR VESSEL BE LISTED AND AN INVENTORY CHECKLIST. CONTRARY TO THE ABOVE ON APRIL 11, 1984, ONE PAIR OF BINOCULARS WAS ON THE REFUELING BRIDGE OVER THE OPEN REACTOR VESSEL AND WAS NOT LISTED ON THE INVENTORY CHECKLIST. (8407 5)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES IN PART THAT WRITTEN PROCEDURES BE ESTABLISHED THAT MEET THE REQUIREMENT OF REG GUIDE 1.33. REG GUIDE 1.33 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED FOR MAINTAINING PRIMARY CONTAINMENT INTEGRITY. CONTRARY TO THE ABOVE, ON JULY 10, 1984, THE LICENSEE HAD FAILED TO ESTABLISH WRITTEN PROCEDURE TO ENSURE THAT THE OUTSIDE CONTAINMENT ISOLATION VALVES FOR BREATHING AIR AND SERVICE WATER TO THE DRYWELL ARE CLOSED. THESE VALVES ARE REQUIRED TO BE CLOSED TO MAINTAIN PRIMARY CONTAINMENT INTEGRITY.

Report Period NOV 1984

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

* NINE MILE POINT 1 *

ENFORCEMENT SUMMARY

(8411 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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: 11/01/84 Outage + On-line Hrs: 720.0

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

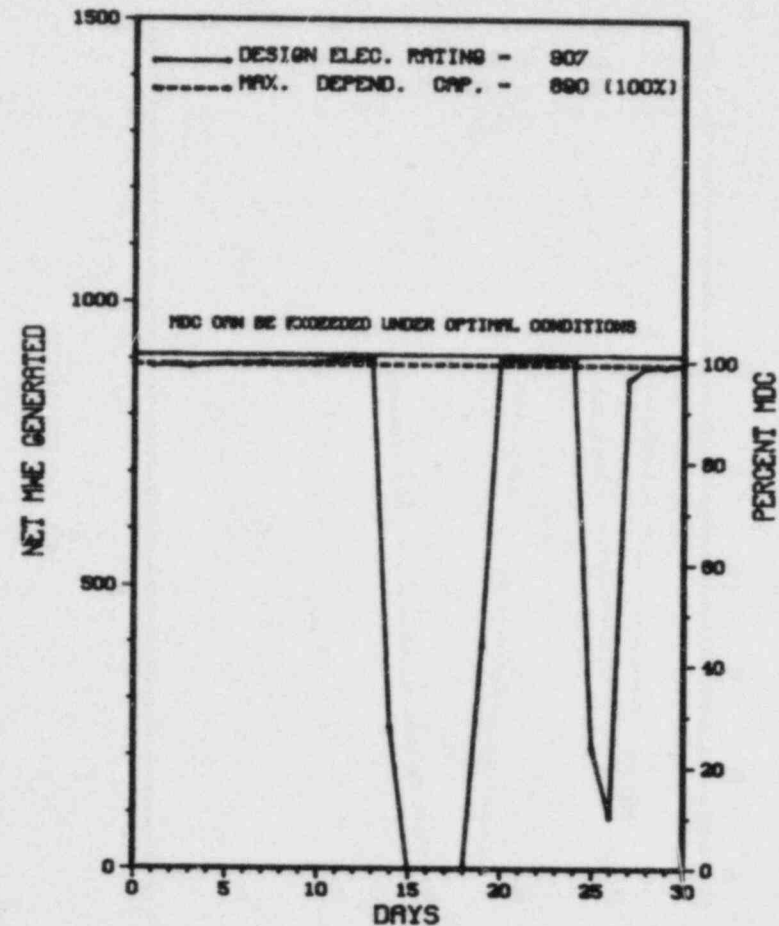
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>56,881.0</u>
13. Hours Reactor Critical	<u>708.6</u>	<u>4,025.6</u>	<u>37,612.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.7</u>	<u>2,185.4</u>
15. Hrs Generator On-Line	<u>560.1</u>	<u>3,700.2</u>	<u>36,361.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,545,983</u>	<u>9,799,803</u>	<u>94,855,580</u>
18. Gross Elec Ener (MWH)	<u>519,759</u>	<u>3,309,891</u>	<u>30,694,077</u>
19. Net Elec Ener (MWH)	<u>494,176</u>	<u>3,140,527</u>	<u>28,971,741</u>
20. Unit Service Factor	<u>77.8</u>	<u>46.0</u>	<u>63.9</u>
21. Unit Avail Factor	<u>77.8</u>	<u>46.0</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>77.1</u>	<u>44.1</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>75.7</u>	<u>43.1</u>	<u>56.2</u>
24. Unit Forced Outage Rate	<u>22.2</u>	<u>21.8</u>	<u>13.5</u>
25. Forced Outage Hours	<u>159.9</u>	<u>1,029.8</u>	<u>5,598.0</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



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-18	11/14/84	F	123.6	A	3	84-019			REACTOR TRIPPED BECAUSE OF LOSS OF VITAL BUS. REPAIRS WERE MADE AND UNIT 1 RETURNED TO 100% POWER.
84-19	11/25/84	F	36.3	A	3	84-021			REACTOR TRIPPED DUE TO STEAM/FEED MISMATCH WITH LOW /SG LEVELS IN 'B' STEAM GENERATOR - REPAIRS MADE - UNIT 1 RETURNED TO 100% POWER. ENDED THIS MONTH WITH UNIT 1 AT 100% POWER.

 * SUMMARY *

 NORTH ANNA 1 OPERATED WITH 2 OUTAGES DURING 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)

* NORTH ANNA 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....LOUISA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI NW OF
RICHMOND, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...APRIL 5, 1978
DATE ELEC ENER 1ST GENER...APRIL 17, 1978
DATE COMMERCIAL OPERATE....JUNE 6, 1978
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ANNA
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA ELECTRIC & POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261
CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 17-21 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; DESIGN CHANGES AND MODIFICATIONS; MEASURING AND TEST EQUIPMENT; RECORDS; DOCUMENT CONTROL; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE APPARENT VIOLATION WAS FOUND WHICH INVOLVED TWO AREAS.

INSPECTION OCTOBER 16-19 (84-36): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE (FIVE HOURS ON BACKSHIFT) INSPECTING: SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 10 AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (INADEQUATE PROCEDURE FOR TESTING INTRUSION DETECTION ALARM SYSTEM).

INSPECTION OCTOBER 9-17 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF COMPLETED STARTUP TESTS, REVIEW OF COMPLETED SURVEILLANCE TESTS, AND WITNESS OF CONTAINMENT INTEGRATED LEAK RATE TEST. ONE APPARENT VIOLATION WAS IDENTIFIED - FAILURE TO ADEQUATELY REVIEW PROCEDURES.

INSPECTION OCTOBER 9-12 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-013	09/25/84	10/25/84	LIQUID WASTE DISCHARGE WITHOUT DEMINERALIZER TREATMENT. THE CLARIFIER EFFLUENT WAS DISCHARGED WITHOUT TREATMENT BECAUSE THE CLARIFIER DEMINERALIZER IN SERVICE DURING THE TIME.
84-014	07/28/84	10/25/84	STEAM GENERATOR LEVEL CONTROL PROBLEM, REACTOR TRIPS. THE OVERFEED CONDITION LEADING UP TO AND CAUSING THE STEAM GENERATOR 'B' HIGH LEVEL CONDITION WAS DUE TO INCOMPLETE CLOSING.
84-016	10/05/84	10/25/84	A CONTRACT EMPLOYEE RECEIVED GREATER THAN 1.250 REM DURING THE THIRD QUARTER OF 1984 WITHOUT HAVING A PROPERLY COMPLETED FORM NRC-4.
84-017	10/05/84	11/02/84	IMPROPER HEALTH PHYSICS COVERAGE-WORKERS LEFT IN HIGH RADIATION AREA. THE CONTRACT HEALTH PHYSICS TECHNICIAN ASSIGNED TO PROVIDE CONTINUOUS HEALTH PHYSICS COVERAGE WAS FOUND ASLEEP.
84-018	10/12/84	11/08/84	LOSS OF EHC CONTROL PWR OCCURRED AS INSTRUMENTATION AND CONTROL TECHNICIAN WAS TROUBLESHOOTING.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

Report Period NOV 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	90.3	C	4	006		CONTINUATION OF UNIT 2 SCHEDULED REFUELING OUTAGE. REFUELING COMPLETED AND UNIT RETURNED ON LINE NOVEMBER 4, 1984 AT 1845.
84-35	11/10/84	S	10.1	B	1			RAMPED DOWN FOR TURBINE OVERSPEED TEST. TEST COMPLETED AND UNIT 2 RETURNED TO 100% POWER. ENDED THIS MONTH WITH UNIT AT 100% POWER.

 * SUMMARY *

NORTH ANNA 2 RETURNED ONLINE FROM REFUELING AND OPERATED WITH 1 ADDITIONAL OUTAGE FOR TESTING DURING NOVEMBER.

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
	C-Refueling	4-Continued	Data Entry Sheet
	G-Oper Error	5-Reduced Load	Licenses Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training & License Examination		

* NORTH ANNA 2 *

FACILITY DATA

Report Period NOV 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 SEPTEMBER 17-21 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 45 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT MATTERS; QA PROGRAM REVIEW; QA/QC ADMINISTRATION; PROCUREMENT; RECEIPT, STORAGE, AND HANDLING; DESIGN CHANGES AND MODIFICATIONS; MEASURING AND TEST EQUIPMENT; RECORDS; DOCUMENT CONTROL; AND LICENSEE ACTION ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. OF THE TEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN EIGHT AREAS; ONE APPARENT VIOLATION WAS FOUND WHICH INVOLVED TWO AREAS.

INSPECTION OCTOBER 16-19 (84-36): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE (FIVE HOURS ON BACKSHIFT) INSPECTING: SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; LOCKS, KEYS, AND COMBINATIONS; SECURITY SYSTEM POWER SUPPLY; COMPENSATORY MEASURES; ACCESS CONTROL-PERSONNEL, PACKAGES, AND VEHICLES; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS-GENERAL REQUIREMENTS; AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION REVIEW. OF THE 11 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN 10 AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (INADEQUATE PROCEDURE FOR TESTING INTRUSION DETECTION ALARM SYSTEM).

INSPECTION OCTOBER 9-17 (84-37): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 34 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF COMPLETED STARTUP TESTS, REVIEW OF COMPLETED SURVEILLANCE TESTS, AND WITNESS OF CONTAINMENT INTEGRATED LEAK RATE TEST. ONE APPARENT VIOLATION WAS IDENTIFIED - FAILURE TO ADEQUATELY REVIEW PROCEDURES.

INSPECTION OCTOBER 9-12 (84-40): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF

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

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

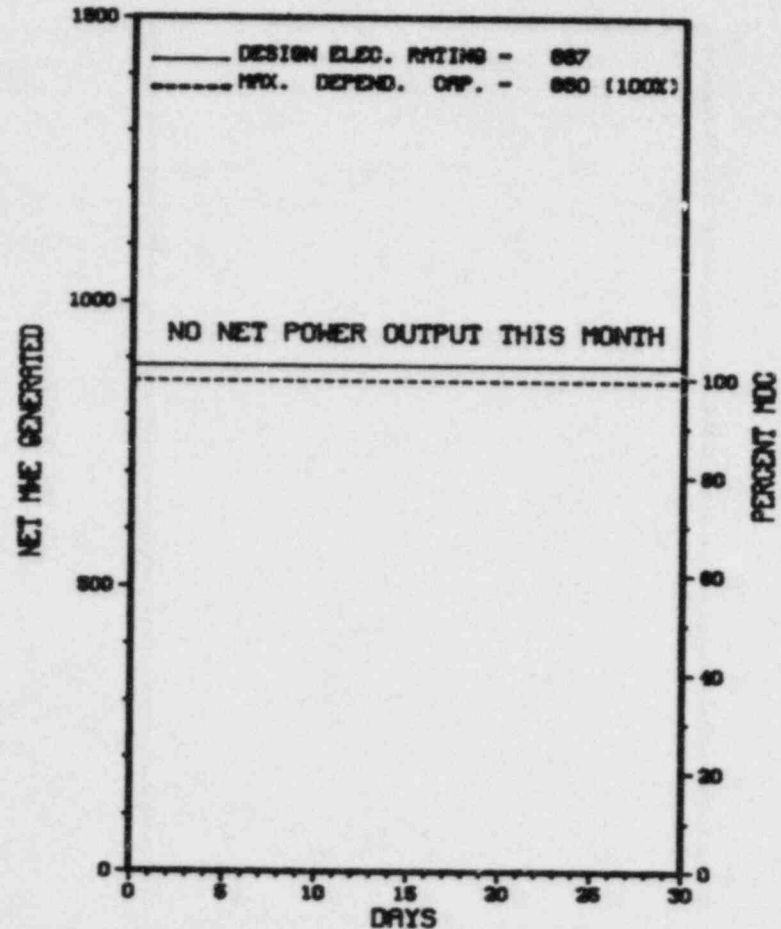
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>99,745.0</u>
13. Hours Reactor Critical	<u>56.3</u>	<u>6,728.1</u>	<u>71,269.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>5.8</u>	<u>6,667.6</u>	<u>68,057.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>13,843</u>	<u>17,090,517</u>	<u>163,388,549</u>
18. Gross Elec Ener (MWH)	<u>550</u>	<u>5,958,960</u>	<u>56,827,190</u>
19. Net Elec Ener (MWH)	<u>-6,973</u>	<u>5,685,889</u>	<u>53,851,440</u>
20. Unit Service Factor	<u>.8</u>	<u>82.9</u>	<u>68.2</u>
21. Unit Avail Factor	<u>.8</u>	<u>82.9</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>82.2</u>	<u>62.6*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>79.7</u>	<u>60.9*</u>
24. Unit Forced Outage Rate	<u>82.6</u>	<u>.9</u>	<u>16.1</u>
25. Forced Outage Hours	<u>27.6</u>	<u>60.6</u>	<u>12,108.2</u>

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

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

* O C O N E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
O C O N E E 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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	686.6	C	4		RC	FUELXX	END OF CYCLE 8 REFUELING OUTAGE.
4	11/29/84	F	27.6	A	9		HJ	TURBIN	HIGH TURBINE BEARING VIBRATION. REACTOR REMAINED CRITICAL.

 * SUMMARY *

 OCONEE 1 REMAINS SHUTDOWN FROM REFUELING AND TURBINE BEARING 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* OCONEE 1 *

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

Report Period NOV 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 10-14 (84-16): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEVEN NUREG-0737 ITEMS INCLUDING 1.A.1.1 SHIFT TECHNICAL ADVISOR; 1.A.1.2 SHIFT SUPERVISOR ADMINISTRATIVE DUTIES; 1.A.1.3 SHIFT MANNING; 1.C.2 SHIFT RELIEF AND TURNOVER; 1.C.3 SHIFT SUPERVISOR RESPONSIBILITIES; 1.C.4 CONTROL ROOM ACCESS; AND 1.C.6 VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES. THE INSPECTION INCLUDED A REVIEW OF DOCUMENTS RELATED TO THESE NUREG-0737 ITEMS AS WELL AS OBSERVATION OF CONTROL ROOM ACTIVITIES AND INTERVIEWS WITH OPERATIONS AND TRAINING PERSONNEL. OF THE SEVEN AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 11 - OCTOBER 10 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 98 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, TEST MACHINE SHOP, HEALTH PHYSICS, AND ALLEGATIONS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO WRITE A NONCONFORMING ITEM REPORT IN A TIMELY MANNER.

INSPECTION OCTOBER 22-26 (84-27): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF LETDOWN COOLER 1B REPLACEMENT, CLOSING OF OPEN ITEMS, ISI-PROGRAM REVIEW, RECORD REVIEW, PROCEDURE REVIEW, AND WORK OBSERVATION. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 22-25 (84-28): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS AND WAS INITIATED DURING NON-REGULAR HOURS. AREAS INSPECTED WERE: SECURITY PLAN/PROCEDURES; SECURITY PROGRAM MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS-PROTECTED AREA; LIGHTING; ACCESS CONTROL-PERSONNEL/ PACKAGES/VEHICLES AND DETECTION AIDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-270 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>89,665.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>8,040.0</u>	<u>65,353.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>8,040.0</u>	<u>64,200.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,843,951</u>	<u>20,367,676</u>	<u>152,858,342</u>
18. Gross Elec Ener (MWH)	<u>625,130</u>	<u>6,974,220</u>	<u>52,079,076</u>
19. Net Elec Ener (MWH)	<u>597,277</u>	<u>6,676,792</u>	<u>49,488,361</u>
20. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>71.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>100.0</u>	<u>71.6</u>
22. Unit Cap Factor (MDC Net)	<u>96.5</u>	<u>96.6</u>	<u>64.0*</u>
23. Unit Cap Factor (DER Net)	<u>93.5</u>	<u>93.6</u>	<u>62.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>14.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>10,256.1</u>

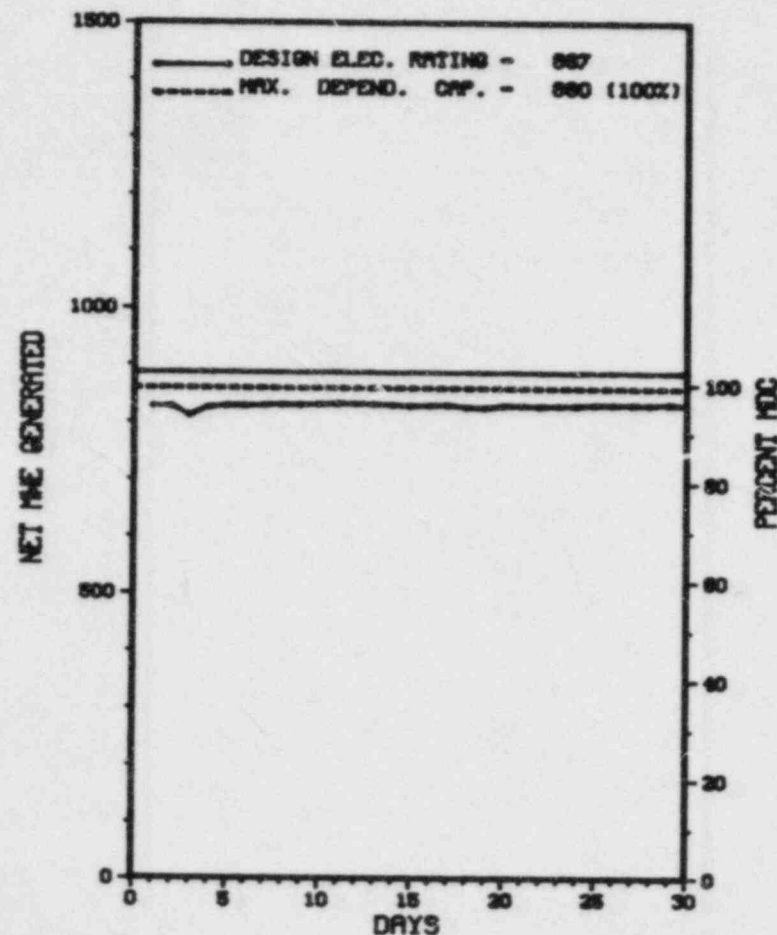
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 7, 1985 - 9 WEEKS.

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

* OCONEE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 2



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
21-P	11/03/84	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT PT'S.

* SUMMARY *

OCONEE 2 OPERATED AT NEAR FULL POWER DURING NOVEMBER.

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 2 *

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

Report Period NOV 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 10-14 (84-15): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEVEN NUREG-0737 ITEMS INCLUDING 1.A.1.1 SHIFT TECHNICAL ADVISOR; 1.A.1.2 SHIFT SUPERVISOR ADMINISTRATIVE DUTIES; 1.A.1.3 SHIFT MANNING; 1.C.2 SHIFT RELIEF AND TURNOVER; 1.C.3 SHIFT SUPERVISOR RESPONSIBILITIES; 1.C.4 CONTROL ROOM ACCESS; AND 1.C.6 VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES. THE INSPECTION INCLUDED A REVIEW OF DOCUMENTS RELATED TO THESE NUREG-0737 ITEMS AS WELL AS OBSERVATION OF CONTROL ROOM ACTIVITIES AND INTERVIEWS WITH OPERATIONS AND TRAINING PERSONNEL. OF THE SEVEN AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 11 - OCTOBER 10 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 97 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, TEST MACHINE SHOP, HEALTH PHYSICS, AND ALLEGATIONS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO WRITE A NONCONFORMING ITEM REPORT IN A TIMELY MANNER.

INSPECTION OCTOBER 22-26 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF LETDOWN COOLER 1B REPLACEMENT, CLOSING OF OPEN ITEMS, ISI-PROGRAM REVIEW, RECORD REVIEW, AND PROCEDURE REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 22-25 (84-27): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS AND WAS INITIATED DURING NON-REGULAR HOURS. AREAS INSPECTED WERE: SECURITY PLAN/PROCEDURES; SECURITY PROGRAM MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS-PROTECTED AREA; LIGHTING; ACCESS CONTROL-PERSONNEL/ PACKAGES/VEHICLES AND DETECTION AIDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-287 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

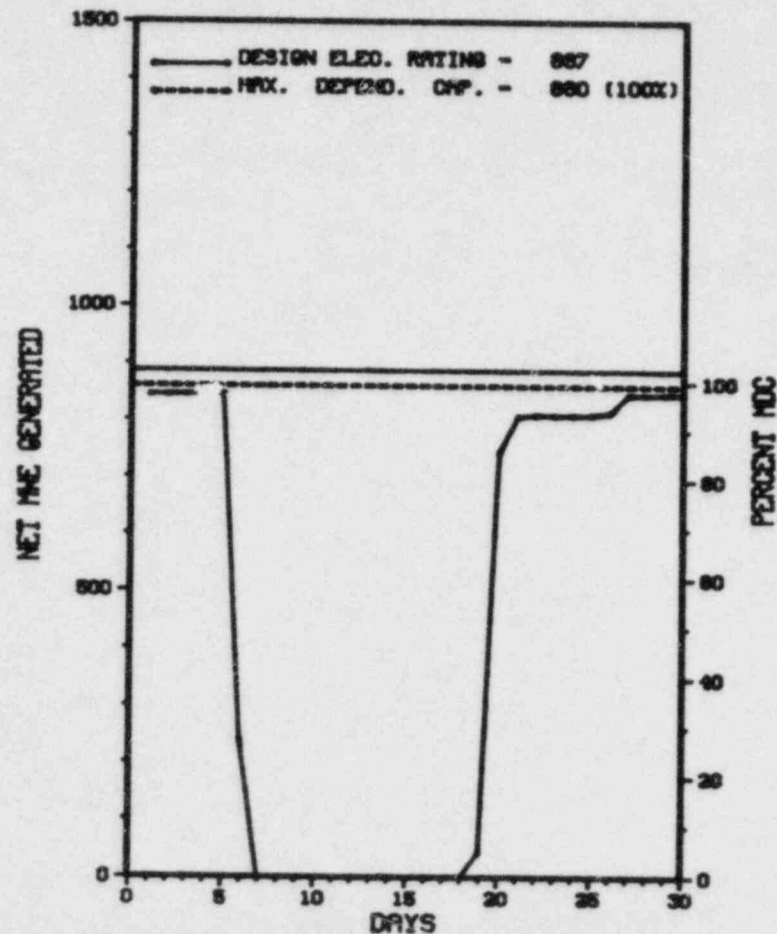
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>87,312.0</u>
13. Hours Reactor Critical	<u>405.1</u>	<u>5,776.7</u>	<u>62,486.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>399.1</u>	<u>5,731.5</u>	<u>61,314.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>989,518</u>	<u>14,394,768</u>	<u>149,887,331</u>
18. Gross Elec Ener (MWH)	<u>339,320</u>	<u>4,952,010</u>	<u>51,766,604</u>
19. Net Elec Ener (MWH)	<u>320,109</u>	<u>4,723,275</u>	<u>49,290,393</u>
20. Unit Service Factor	<u>55.4</u>	<u>71.3</u>	<u>70.2</u>
21. Unit Avail Factor	<u>55.4</u>	<u>71.3</u>	<u>70.2</u>
22. Unit Cap Factor (MDC Net)	<u>51.7</u>	<u>68.3</u>	<u>65.5*</u>
23. Unit Cap Factor (DER Net)	<u>50.1</u>	<u>66.2</u>	<u>63.7*</u>
24. Unit Forced Outage Rate	<u>44.6</u>	<u>6.6</u>	<u>14.5</u>
25. Forced Outage Hours	<u>320.9</u>	<u>405.2</u>	<u>10,547.2</u>

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

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

* O C O N E E 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
O C O N E E 3



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	11/06/84	F	320.9	A	1		HJ	HTEXCH	ONCE THROUGH STEAM GENERATOR TUBE LEAK.
16-P	11/20/84	F	0.0	A	5		HH	PUMPXX	LOW CONDENSATE BOOSTER PUMP SUCTION PRESSURE.
17-P	11/20/84	F	0.0	A	5		HH	PUMPXX	HEATER DRAIN PUMP OUT OF SERVICE.

 * SUMMARY *

 OCONEE 3 OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS DURING NOVEMBER.

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 3 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1974
DATE ELEC ENER 1ST GENER...SEPTEMBER 18, 1974
DATE COMMERCIAL OPERATE...DECEMBER 16, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE KEOWEE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DUKE POWER
CORPORATE ADDRESS.....422 SOUTH CHURCH STREET
CHARLOTTE, NORTH CAROLINA 28242
CONTRACTOR
ARCHITECT/ENGINEER.....DUKE & BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....DUKE POWER
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....J. BRYANT
LICENSING PROJ MANAGER.....H. NICOLARAS
DOCKET NUMBER50-287
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 10-14 (84-26): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 35 INSPECTOR-HOURS ON SITE IN THE AREAS OF SEVEN NUREG-0737 ITEMS INCLUDING 1.A.1.1 SHIFT TECHNICAL ADVISOR; 1.A.1.2 SHIFT SUPERVISOR ADMINISTRATIVE DUTIES; 1.A.1.3 SHIFT MANNING; 1.C.2 SHIFT RELIEF AND TURNOVER; 1.C.3 SHIFT SUPERVISOR RESPONSIBILITIES; 1.C.4 CONTROL ROOM ACCESS; AND 1.C.6 VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES. THE INSPECTION INCLUDED A REVIEW OF DOCUMENTS RELATED TO THESE NUREG-0737 ITEMS AS WELL AS OBSERVATION OF CONTROL ROOM ACTIVITIES AND INTERVIEWS WITH OPERATIONS AND TRAINING PERSONNEL. OF THE SEVEN AREAS INSPECTED, THREE VIOLATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 11 - OCTOBER 10 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 97 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, TEST MACHINE SHOP, HEALTH PHYSICS, AND ALLEGATIONS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO WRITE A NONCONFORMING ITEM REPORT IN A TIMELY MANNER.

INSPECTION OCTOBER 22-26 (84-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF LETDOWN COOLER 1B REPLACEMENT, CLOSING OF OPEN ITEMS, ISI-PROGRAM REVIEW, RECORD REVIEW, AND PROCEDURE REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 22-25 (84-30): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 10 INSPECTOR-HOURS AND WAS INITIATED DURING NON-REGULAR HOURS. AREAS INSPECTED WERE: SECURITY PLAN/PROCEDURES; SECURITY PROGRAM MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; PHYSICAL BARRIERS-PROTECTED AREA; LIGHTING; ACCESS CONTROL-PERSONNEL/ PACKAGES/VEHICLES AND DETECTION AIDS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-219 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): _____

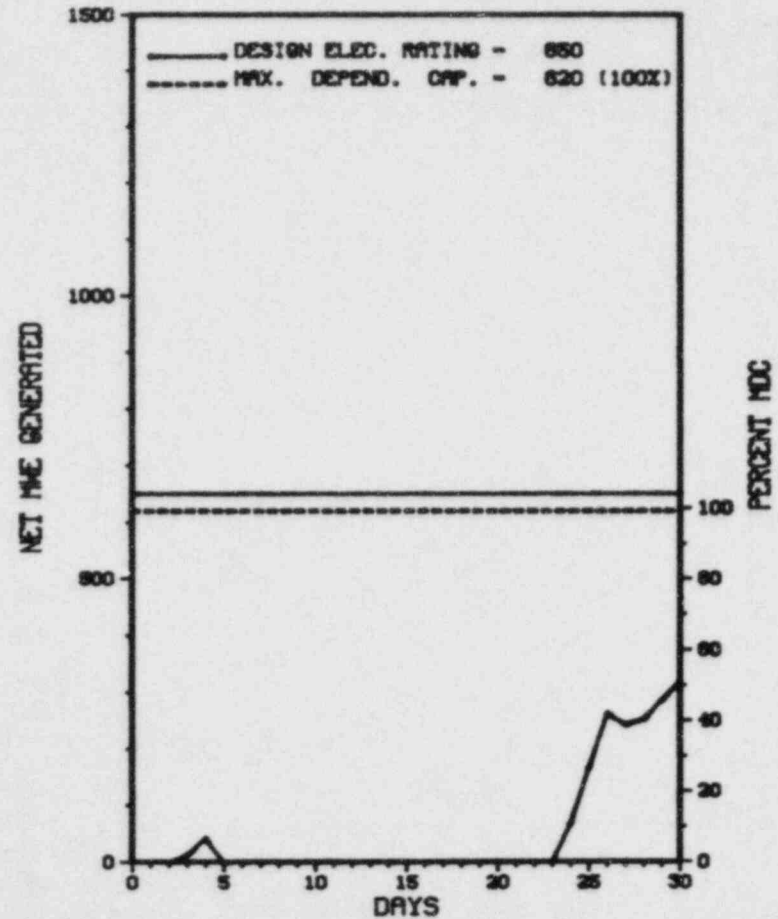
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>130,968.0</u>
13. Hours Reactor Critical	<u>310.7</u>	<u>1,025.5</u>	<u>85,649.4</u>
14. Rx Reserve Shtdwn Hrs	<u>1.5</u>	<u>1.5</u>	<u>469.7</u>
15. Hrs Generator On-Line	<u>178.6</u>	<u>178.6</u>	<u>82,872.4</u>
16. Unit Reserve Shtdwn Hrs	<u>2.7</u>	<u>2.7</u>	<u>2.7</u>
17. Gross Therm Ener (MWH)	<u>164,500</u>	<u>164,500</u>	<u>136,465,760</u>
18. Gross Elec Ener (MWH)	<u>42,570</u>	<u>42,570</u>	<u>46,099,475</u>
19. Net Elec Ener (MWH)	<u>34,978</u>	<u>8,567</u>	<u>44,294,250</u>
20. Unit Service Factor	<u>24.8</u>	<u>2.2</u>	<u>63.3</u>
21. Unit Avail Factor	<u>25.2</u>	<u>2.3</u>	<u>63.3</u>
22. Unit Cap Factor (MDC Net)	<u>7.8</u>	<u>.2</u>	<u>54.5*</u>
23. Unit Cap Factor (DER Net)	<u>7.5</u>	<u>.2</u>	<u>52.0</u>
24. Unit Forced Outage Rate	<u>72.9</u>	<u>72.9</u>	<u>12.0</u>
25. Forced Outage Hours	<u>479.9</u>	<u>479.9</u>	<u>9,396.7</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
OYSTER CREEK 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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	53.2	C	4		ZZ	ZZZZZZ	START OF THE 1983/84 REFUELING AND MAINTENANCE OUTAGE.
32	11/04/84	F	479.9	A	1	84-28	SH	VALVEX	TWO EMRVS FAILED TO OPERATE PROPERLY.
33	11/30/84	S	8.3	B	2		ZZ	ZZZZZZ	MANUAL SCRAM TO TEST THE SCRAM DISCHARGE VOLUME.

 * SUMMARY *

 OYSTER CREEK OPERATED WITH 3 OUTAGES DURING 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)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period NOV 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.....W. BATEMAN
LICENSING PROJ MANAGER.....J. DONOHEW
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 NOV 1984

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

* OYSTER CREEK 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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: 50-255 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

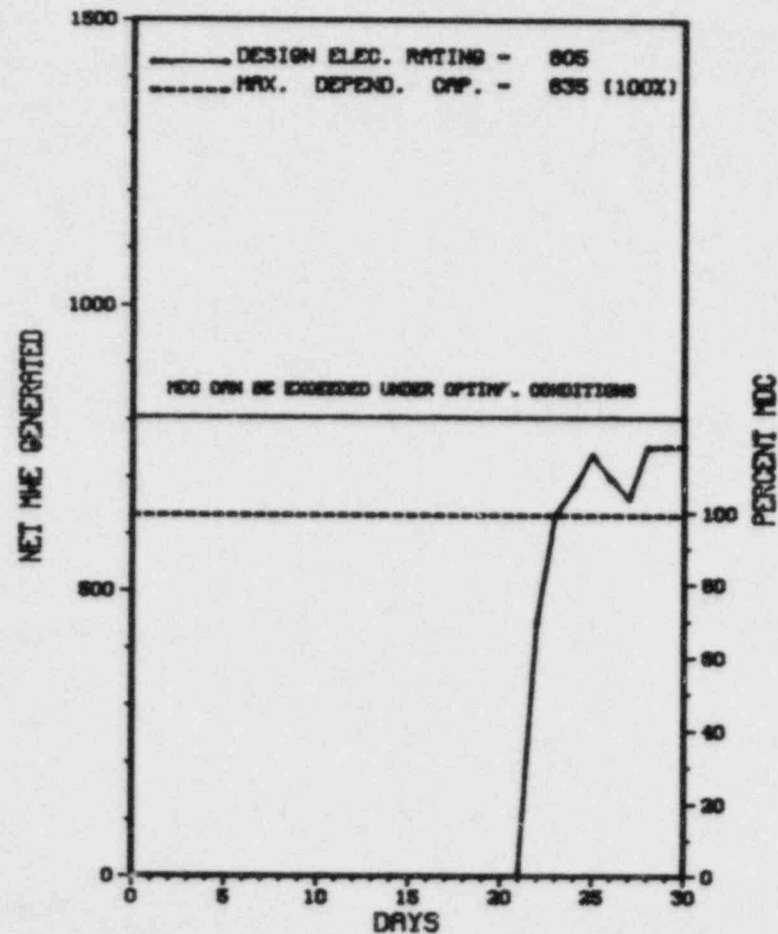
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>113,535.0</u>
13. Hours Reactor Critical	<u>238.6</u>	<u>806.5</u>	<u>60,066.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>223.9</u>	<u>592.3</u>	<u>56,870.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>485,160</u>	<u>884,472</u>	<u>116,244,696</u>
18. Gross Elec Ener (MWH)	<u>156,620</u>	<u>274,700</u>	<u>36,025,140</u>
19. Net Elec Ener (MWH)	<u>147,140</u>	<u>248,887</u>	<u>33,876,901</u>
20. Unit Service Factor	<u>31.1</u>	<u>7.4</u>	<u>50.1</u>
21. Unit Avail Factor	<u>31.1</u>	<u>7.4</u>	<u>50.1</u>
22. Unit Cap Factor (MDC Net)	<u>32.2</u>	<u>4.9</u>	<u>47.0</u>
23. Unit Cap Factor (DER Net)	<u>25.4</u>	<u>3.8</u>	<u>37.1</u>
24. Unit Forced Outage Rate	<u>68.9</u>	<u>80.0</u>	<u>33.8</u>
25. Forced Outage Hours	<u>496.1</u>	<u>2,373.4</u>	<u>14,899.0</u>

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

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

* PALISADES *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PALISADES



NOVEMBER 1984

Report Period NOV 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	496.1	A	4	84-21	AB	P	SEALS FAILED ON PRIMARY COOLANT PUMP, P-50C.

* SUMMARY *

PALISADES RETURNED ONLINE FROM REPAIRS ON NOVEMBER 21ST 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)

* PALISADES *

FACILITY DATA

Report Period NOV 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 DURING SEPTEMBER 9 THROUGH OCTOBER 13, (84-19): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; AND INDEPENDENT INSPECTION AREAS. THE INSPECTION INVOLVED A TOTAL OF 146 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 41 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN ANY OF THE AREAS INSPECTED.

INSPECTION ON OCTOBER 1-19, (84-20): ROUTINE, ANNOUNCED INSPECTION OF PREVIOUS INSPECTION FINDINGS; INSERVICE TESTING OF PUMPS AND VALVES; INSERVICE TESTING TEST DATA EVALUATION; SURVEILLANCE TEST SCHEDULING AND DETERMINATION OF EQUIPMENT OPERABILITY; CALIBRATION OF MEASURING AND TEST EQUIPMENT; INSERVICE TESTING OF PLANT VALVES; AND PRIMARY COOLANT SYSTEM PRESSURE ISOLATION CHECK VALVE TESTING. THE INSPECTION INVOLVED A TOTAL OF 187 INSPECTOR-HOURS INCLUDING 20 INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS AND 28 INSPECTOR-HOURS ONSITE DURING OFFSHIFTS. OF THE SEVEN AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; TWO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN THE REMAINING TWO AREAS, INADEQUATE IMPLEMENTATION OF CODE REQUIREMENTS.

INSPECTION ON OCTOBER 1-5, 9, AND 11, (84-21): ROUTINE, UNANNOUNCED INSPECTION OF: (1) THE CONFIRMATORY MEASUREMENTS PROGRAM, INCLUDING SAMPLING, QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND COMPARISON OF LICENSEE ANALYSIS WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP), INCLUDING IMPLEMENTATION AND MANAGEMENT CONTROLS; (3) TRAINING AND QUALIFICATIONS; AND (4) LICENSEE INTERNAL AUDITS OF CHEMISTRY/RADIOCHEMISTRY AND THE REMF. THE REGION III MOBILE LABORATORY WAS ONSITE TO ANALYZE SAMPLES SPLIT WITH THE LICENSEE FOR

1. Docket: 50-277 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>91,248.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,583.9</u>	<u>62,263.0</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>-3,653</u>	<u>2,429,885</u>	<u>56,266,315</u>
20. Unit Service Factor	<u>.0</u>	<u>31.7</u>	<u>66.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>31.7</u>	<u>66.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>28.8</u>	<u>58.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>28.4</u>	<u>57.9</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>

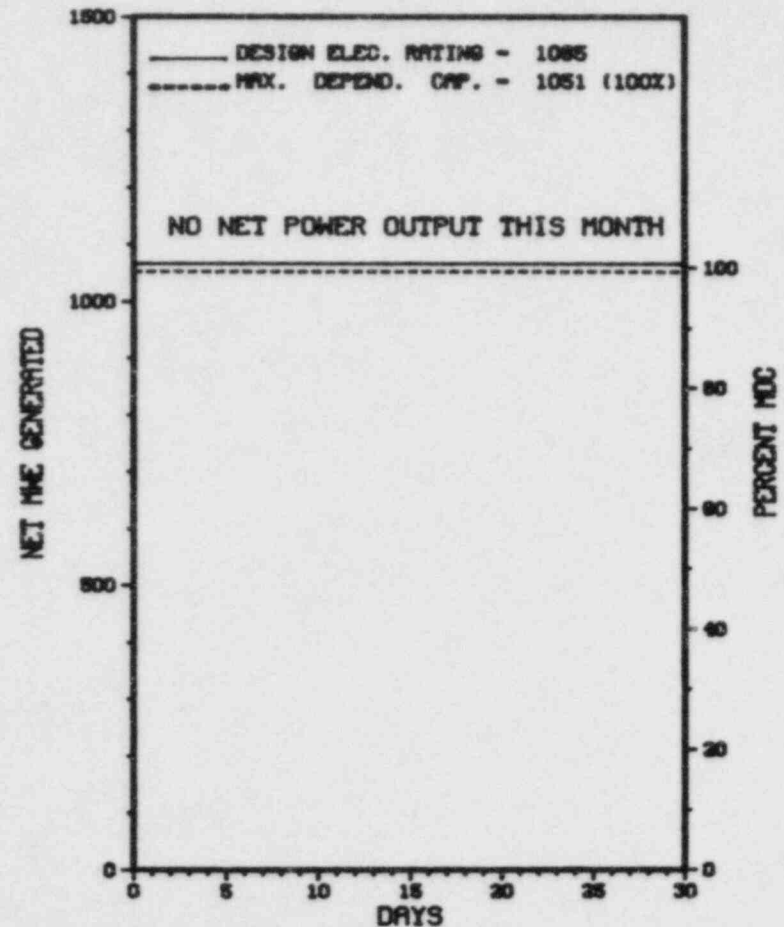
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 03/31/85

* PEACH BOTTOM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PEACH BOTTOM 2



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE.

* SUMMARY *

PEACH BOTTOM 2 REMAINS SHUTDOWN FOR REFUELING DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 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.....H. WILLIAMS
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

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 NOV 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)

* P E A C H B O T T O M 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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
--------	------------------	-------------------	---------

NO INPUT PROVIDED.

=====

1. Docket: 50-278 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>87,144.0</u>
13. Hours Reactor Critical	<u>583.9</u>	<u>7,013.7</u>	<u>63,813.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>513.8</u>	<u>6,873.2</u>	<u>62,189.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,190,328</u>	<u>21,241,671</u>	<u>182,279,976</u>
18. Gross Elec Ener (MWH)	<u>377,123</u>	<u>7,074,840</u>	<u>59,889,960</u>
19. Net Elec Ener (MWH)	<u>363,555</u>	<u>6,846,782</u>	<u>57,510,567</u>
20. Unit Service Factor	<u>71.4</u>	<u>85.5</u>	<u>71.4</u>
21. Unit Avail Factor	<u>71.4</u>	<u>85.5</u>	<u>71.4</u>
22. Unit Cap Factor (MDC Net)	<u>48.8</u>	<u>82.3</u>	<u>63.8</u>
23. Unit Cap Factor (DER Net)	<u>47.4</u>	<u>80.0</u>	<u>62.0</u>
24. Unit Forced Outage Rate	<u>3.2</u>	<u>10.0</u>	<u>7.6</u>
25. Forced Outage Hours	<u>17.1</u>	<u>764.2</u>	<u>5,095.1</u>

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

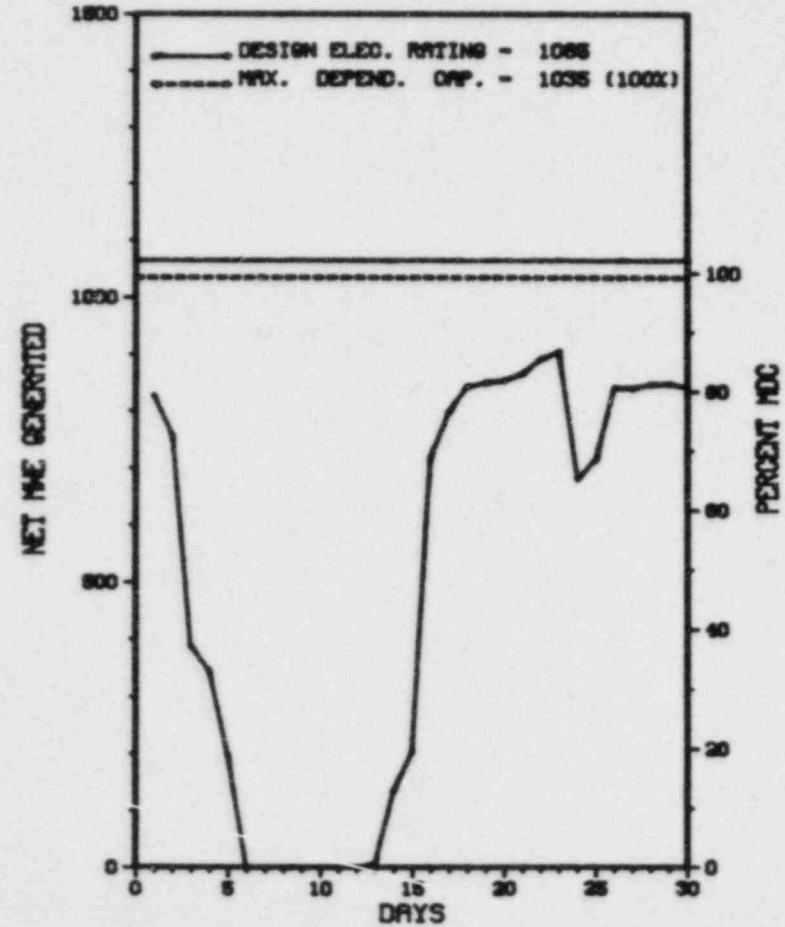
REFUEL & MAINT. OUTAGE: 3/30/85 TO 6/08/85.

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

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	11/06/84	S	189.1	A	1		CC	VESSEL	REPAIR VALVE PACKING LEAK IN DRY WELL.
11	11/14/84	F	17.1	H	3		IA	INSTRU	APRM HIGH FLUX SCRAM AS THE 'B' RECIRCULATION PUMP WAS PUT ON.
12	11/24/84	S	0.0	A	5		HC	HTEXCH	LOAD DROP FOR CONDENSER WATER BOX WORK.

 * SUMMARY *

 PEACH BOTTOM 3 OPERATED WITH 2 OUTAGES AND 1 REDUCTION DURING NOVEMBER.

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 NOV 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.....H. WILLIAMS
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period NOV 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)

* P E A C H B O T T O M 3 *

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: 50-293 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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): _____

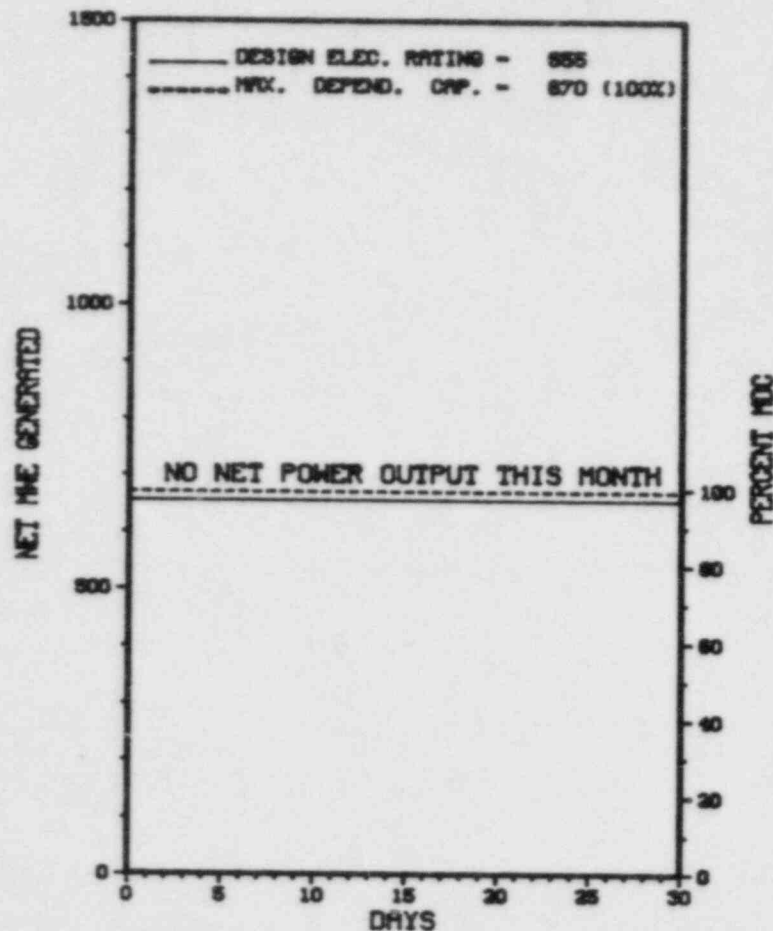
11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>105,000.0</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>64.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>64.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>53.6</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>54.8</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): <u>NONE</u>			

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

* PILGRIM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLJ1
PILGRIM 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* PILGRIM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/10/83	S	720.0	C	4				SHUTDOWN FOR REFUELING AND RECIRCULATION PIPE REPLACEMENT.

* SUMMARY *

PILGRIM 1 REMAINS SHUTDOWN FOR REFUELING AND REPAIRS DURING NOVEMBER.

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		

* PILGRIM 1 *

FACILITY DATA

Report Period NOV 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: 11/01/84 Outage + On-line Hrs: 720.0

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

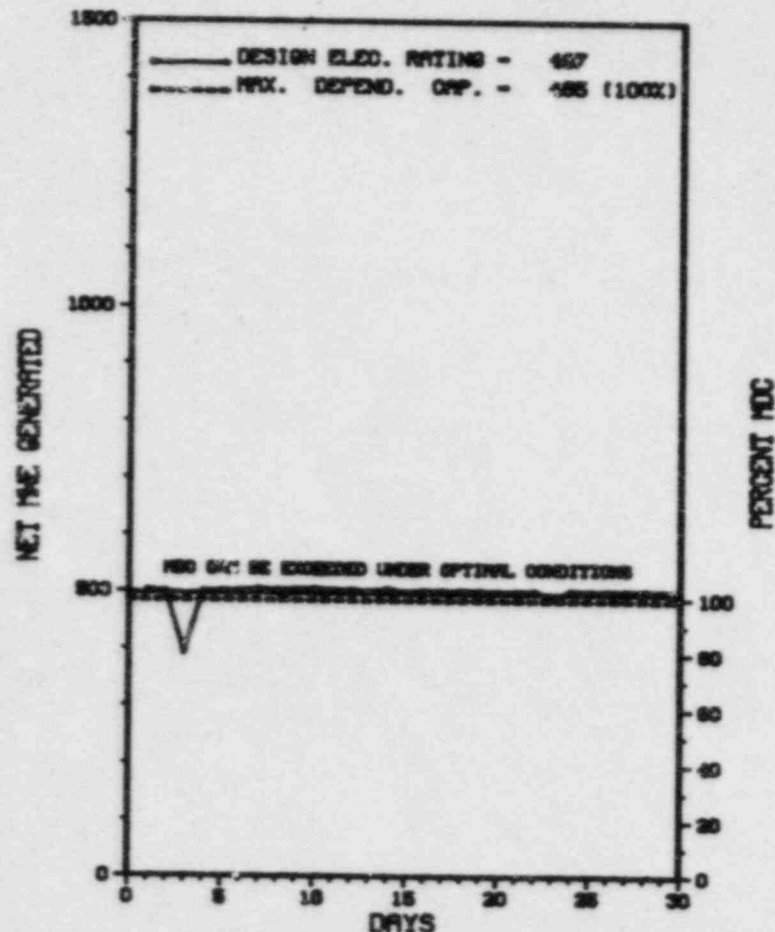
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>123,336.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,676.1</u>	<u>99,754.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.3</u>	<u>629.7</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,636.0</u>	<u>97,243.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>9.0</u>	<u>802.5</u>
17. Gross Therm Ener (MWH)	<u>1,082,356</u>	<u>8,299,488</u>	<u>131,834,800</u>
18. Gross Elec Ener (MWH)	<u>374,210</u>	<u>2,865,700</u>	<u>44,261,680</u>
19. Net Elec Ener (MWH)	<u>358,618</u>	<u>2,741,000</u>	<u>42,108,882</u>
20. Unit Service Factor	<u>100.0</u>	<u>70.1</u>	<u>78.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>70.2</u>	<u>79.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.7</u>	<u>70.3</u>	<u>69.8*</u>
23. Unit Cap Factor (DER Net)	<u>100.2</u>	<u>68.6</u>	<u>68.7</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):
ANNUAL REFUELING: APRIL 19, 1985.

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

* POINT BEACH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 1



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	11/02/84	S	0.0	B	5		ZZ	ZZZZZZ	POWER REDUCTION TO CHECK AND PLUG LEAKING CONDENSER TUBES.

* SUMMARY *

POINT BEACH 1 OPERATED AT FULL POWER WITH 1 REDUCTION DURING NOVEMBER.

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 NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 2, 1970
DATE ELEC ENER 1ST GENER...NOVEMBER 6, 1970
DATE COMMERCIAL OPERATE...DECEMBER 21, 1970
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-266
LICENSE & DATE ISSUANCE...DPR-24, OCTOBER 5, 1970
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 1- SEPTEMBER 30, (84-15): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; RECEIPT OF NEW FUEL; PREPARATION FOR REFUELING; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; INDEPENDENT INSPECTION; AND PLANT TRIPS. THE INSPECTION INVOLVED A TOTAL OF 252 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 60 INSPECTOR HOURS ON OFFSHIFTS. OF 10 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 9 AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA, FAILURE TO FOLLOW PROCEDURES.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-301 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

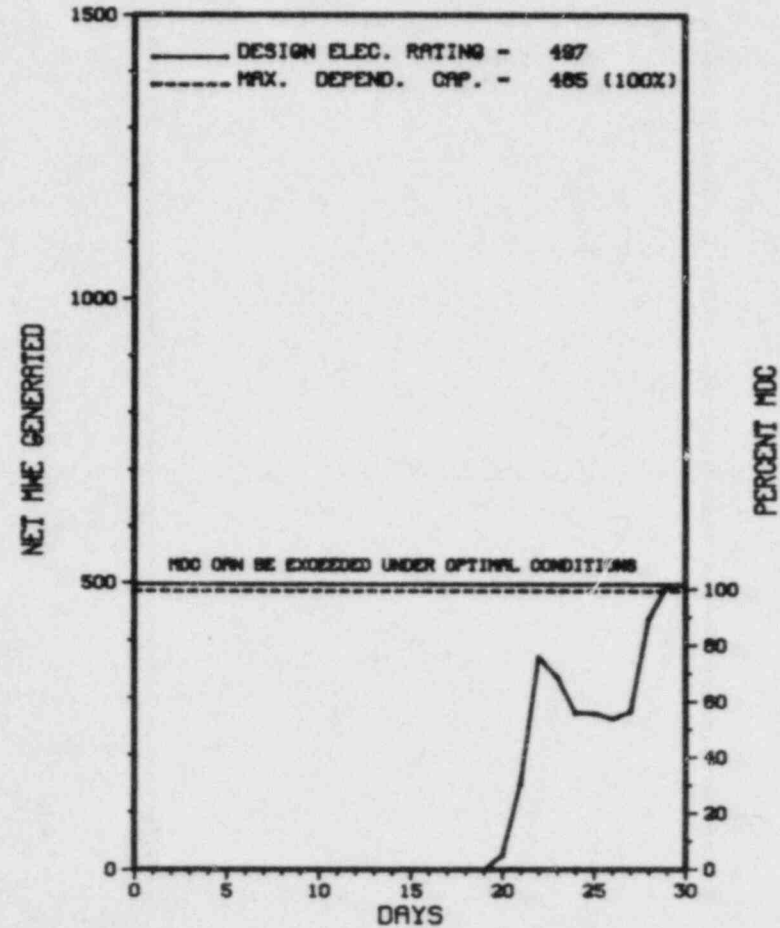
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>108,121.0</u>
13. Hours Reactor Critical	<u>311.0</u>	<u>6,800.2</u>	<u>95,228.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>8.8</u>	<u>207.1</u>
15. Hrs Generator On-Line	<u>249.7</u>	<u>6,667.6</u>	<u>93,570.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>15.4</u>	<u>198.1</u>
17. Gross Therm Ener (MWH)	<u>252,959</u>	<u>9,795,654</u>	<u>130,690,431</u>
18. Gross Elec Ener (MWH)	<u>86,310</u>	<u>3,315,860</u>	<u>44,275,690</u>
19. Net Elec Ener (MWH)	<u>79,051</u>	<u>3,163,745</u>	<u>42,169,010</u>
20. Unit Service Factor	<u>34.7</u>	<u>82.9</u>	<u>86.5</u>
21. Unit Avail Factor	<u>34.7</u>	<u>83.1</u>	<u>86.7</u>
22. Unit Cap Factor (MDC Net)	<u>22.6</u>	<u>80.2</u>	<u>79.4*</u>
23. Unit Cap Factor (DER Net)	<u>22.1</u>	<u>79.2</u>	<u>78.5</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. If Currently Shutdown Estimated Startup Date: N/A

* POINT BEACH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
POINT BEACH 2



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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	460.7	C	4		RC	FUELXX	CONTINUATION OF 53-DAY REFUELING OUTAGE.
4	11/20/84	S	9.6	B	1		ZZ	ZZZZZ	UNIT REMOVED FROM SERVICE TO COMPLETE OFF-LINE TURBINE TESTING.

 * SUMMARY *

 POINT BEACH 2 RETURNED ONLINE FROM REFUELING AND MAINTENANCE ON NOVEMBER 20TH AND OPERATED WITH 1
 ADDITIONAL OUTAGE THE REMAINDER OF THE MONTH.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN
COUNTY.....MANITOWOC
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI N OF
MANITOWOC, WISC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 30, 1972
DATE ELEC ENER 1ST GENER...AUGUST 2, 1972
DATE COMMERCIAL OPERATE...OCTOBER 1, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WISCONSIN ELECTRIC POWER COMPANY
CORPORATE ADDRESS.....231 WEST MICHIGAN STREET
MILWAUKEE, WISCONSIN 53201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....R. HAGUE
LICENSING PROJ MANAGER.....T. COLBURN
DOCKET NUMBER.....50-301
LICENSE & DATE ISSUANCE...DPR-27, MARCH 8, 1973
PUBLIC DOCUMENT ROOM.....JOSEPH MANN PUBLIC LIBRARY
1516 16TH ST.
TWO RIVERS, WISCONSIN 54241

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 1- SEPTEMBER 30, (84-13): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; RECEIPT OF NEW FUEL; PREPARATION FOR REFUELING; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; LICENSEE EVENT REPORTS; IE BULLETINS; INDEPENDENT INSPECTION; AND PLANT TRIPS. THE INSPECTION INVOLVED A TOTAL OF 252 INSPECTOR-HOURS ON SITE BY TWO INSPECTORS INCLUDING 60 INSPECTOR HOURS ON OFFSHIFTS. OF 10 AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE WERE IDENTIFIED IN 9 AREAS. ONE ITEM OF NONCOMPLIANCE WAS IDENTIFIED IN THE REMAINING AREA, FAILURE TO FOLLOW PROCEDURES.

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATION 15.6.8.1 STATES IN PART, "THE PLANT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH APPROVED PROCEDURES." ICP 10.2, ROUTINE MAINTENANCE PROCEDURE REMOVAL OF A SAFEGUARDS OR PROTECTION SENSOR FROM SERVICE, STEP 5.3 STATES "DO THE REQUIRED BYPASSING OF CONTROL FUNCTIONS". CONTRARY TO THE ABOVE, ON SEPTEMBER 28, 1984, AT 11:37 A.M. OPERATIONS PERSONNEL REMOVED THE INSTRUMENT POWER FUSES FOR SOURCE RANGE CHANNEL 31, A PROTECTION SENSOR, WITHOUT PLACING THE LEVEL TRIP SWITCH IN BYPASS.
(8413 5)

1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>96,072.0</u>
13. Hours Reactor Critical	<u>556.6</u>	<u>7,577.3</u>	<u>79,250.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-line	<u>550.9</u>	<u>7,542.8</u>	<u>77,923.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>890,467</u>	<u>12,152,751</u>	<u>122,463,913</u>
18. Gross Elec Ener (MWH)	<u>299,550</u>	<u>4,029,630</u>	<u>39,909,430</u>
19. Net Elec Ener (MWH)	<u>283,074</u>	<u>3,796,773</u>	<u>37,388,202</u>
20. Unit Service Factor	<u>76.5</u>	<u>93.8</u>	<u>81.1</u>
21. Unit Avail Factor	<u>76.5</u>	<u>93.8</u>	<u>81.1</u>
22. Unit Cap Factor (MDC Net)	<u>78.2</u>	<u>93.9</u>	<u>77.4</u>
23. Unit Cap Factor (DER Net)	<u>74.2</u>	<u>89.1</u>	<u>73.4</u>
24. Unit Forced Outage Rate	<u>23.5</u>	<u>5.3</u>	<u>8.3</u>
25. Forced Outage Hours	<u>169.1</u>	<u>426.2</u>	<u>3,347.1</u>

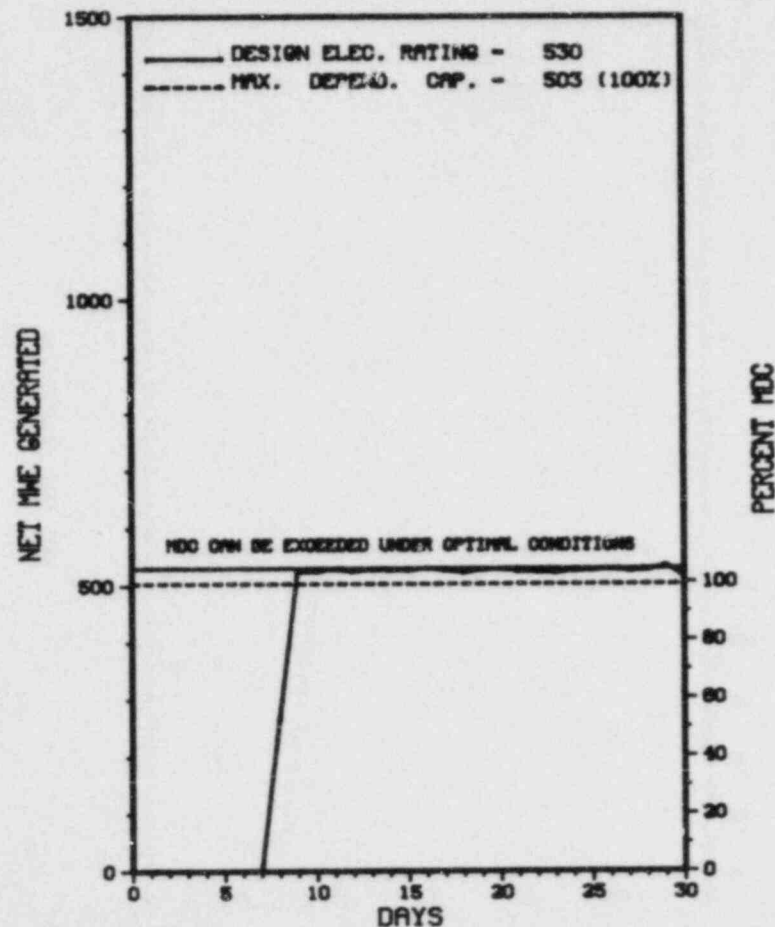
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

TEN YEAR OVERHAUL IN JANUARY 1985.

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
PRAIRIE ISLAND 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	10/29/84	F	163.5	A	4	84-10	AB	SG	STEAM GENERATOR TUBE LEAK.
	11/07/84	S	0.0	B	5				TURBINE OVERSPEED TRIP TEST.
	11/07/84	F	5.6	A	3	84-11	SJ	CON	TRIP DUE TO STEAM GENERATOR LOW FEEDWATER FLOW. (MALFUNCTION IN FW CONTROL SYSTEM).

 * SUMMARY *

 PRAIRIE ISLAND 1 OPERATED WITH 3 OUTAGES DURING THE REPORT MONTH.

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		

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period NOV 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 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
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
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 ON OCTOBER 3-5, (84-12): ROUTINE ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE AUDITS; MAINTENANCE OF EMERGENCY PREPAREDNESS; AND IMPLEMENTATION OF THE EMERGENCY PLAN. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 22-26, (84-14): ROUTINE ANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENT PROGRAM, INCLUDING SAMPLING, QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND COMPARISON OF LICENSE ANALYSES WITH THOSE OF THE REGION III MOBILE LAB-ORATORY AND THE NRC REFERENCE LABORATORY; (2) MANAGEMENT CONTROLS, TRAINING, AND QUALIFICATIONS IN CHEMISTRY AND RADIOCHEMISTRY; (3) INTERNAL AUDITS OF CHEMISTRY AND RADIOCHEMISTRY; AND (4) LICENSEE FOLLOWUP OF ITEMS IDENTIFIED IN A PREVIOUS INSPECTION. THE INSPECTION INVOLVED 55 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 2, (84-15): ANNOUNCED SPECIAL SAFETY INSPECTION TO REVIEW ACTIVITIES RELATED TO THE EDDY CURRENT EXAMINATION (ET) OF STEAM GENERATOR (SG) TUBES. THE INSPECTION INVOLVED A TOTAL OF 6 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: DECEMBER 9 - FEBRUARY 9, 1985

INSPECTION REPORT NO: 84-18

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

```

=====

```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-09	10/02/84	11/01/84	INADVERTENT START OF ONE DIESEL GENERATOR
84-10	10/29/84	11/28/84	STEAM GENERATOR LEAKAGE ABOVE 1.0 GPM

```

=====

```


1. Docket: 50-306 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>87,190.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>7,100.0</u>	<u>75,350.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>7,087.1</u>	<u>74,380.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,151,989</u>	<u>11,207,162</u>	<u>116,939,020</u>
18. Gross Elec Ener (MWH)	<u>396,520</u>	<u>3,718,330</u>	<u>37,825,730</u>
19. Net Elec Ener (MWH)	<u>377,237</u>	<u>3,513,961</u>	<u>35,482,944</u>
20. Unit Service Factor	<u>100.0</u>	<u>88.1</u>	<u>85.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>88.1</u>	<u>85.3</u>
22. Unit Cap Factor (MDC Net)	<u>104.8</u>	<u>87.4</u>	<u>81.4</u>
23. Unit Cap Factor (DER Net)	<u>98.9</u>	<u>82.5</u>	<u>76.8</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):

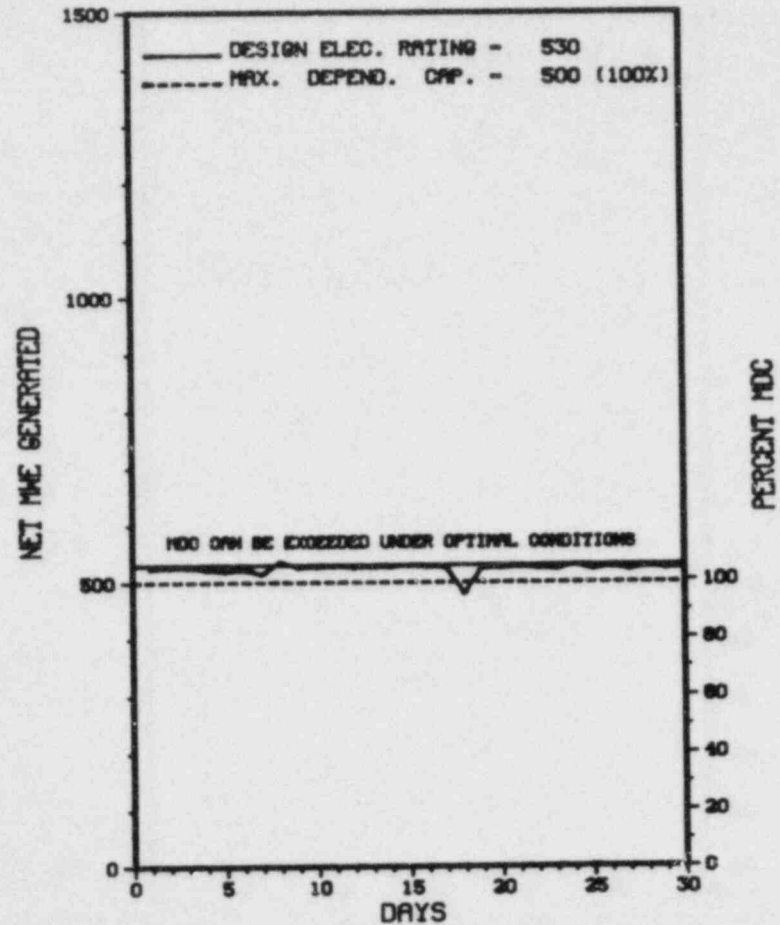
TEN YEAR OUTAGE IN AUGUST 1985.

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

* PRAIRIE ISLAND 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	11/18/84	S	0.0	B	5				TURBINE VALVES TEST.

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED AT FULL POWER WITH 1 REDUCTION DURING NOVEMBER.

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

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 17, 1974
DATE ELEC ENER 1ST GENER...DECEMBER 21, 1974
DATE COMMERCIAL OPERATE...DECEMBER 21, 1974
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....FLUOR PIONEER, INC.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....NORTHERN STATES POWER COMPANY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL CONSERVATION LIBRARY
MINNEAPOLIS PUBLIC LIBRARY
300 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401

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

INSPECTION SUMMARY

INSPECTION ON OCTOBER 3-5, (84-14): ROUTINE ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; LICENSEE AUDITS; MAINTENANCE OF EMERGENCY PREPAREDNESS; AND IMPLEMENTATION OF THE EMERGENCY PLAN. THE INSPECTION INVOLVED 86 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND THREE CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 22-26, (84-16): ROUTINE ANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENT PROGRAM, INCLUDING SAMPLING, QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND COMPARISON OF LICENSE ANALYSES WITH THOSE OF THE REGION III MOBILE LAB-ORATORY AND THE NRC REFERENCE LABORATORY; (2) MANAGEMENT CONTROLS, TRAINING, AND QUALIFICATIONS IN CHEMISTRY AND RADIOCHEMISTRY; (3) INTERNAL AUDITS OF CHEMISTRY AND RADIOCHEMISTRY; AND (4) LICENSEE FOLLOWUP OF ITEMS IDENTIFIED IN A PREVIOUS INSPECTION. THE INSPECTION INVOLVED 55 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: DECEMBER 9 - FEBRUARY 9, 1985

INSPECTION REPORT NO: 84-19

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
-----
84-10      10/25/84    11/16/84    UNIT 2 REACTOR SCRAM DUE TO HIGH REACTOR PRESSURE WHILE IN HOT STANDBY
=====

```

1. Docket: 50-254 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVE KIMLER (309) 654-2241 X192

4. Licensed Thermal Power (MWh): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 815

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

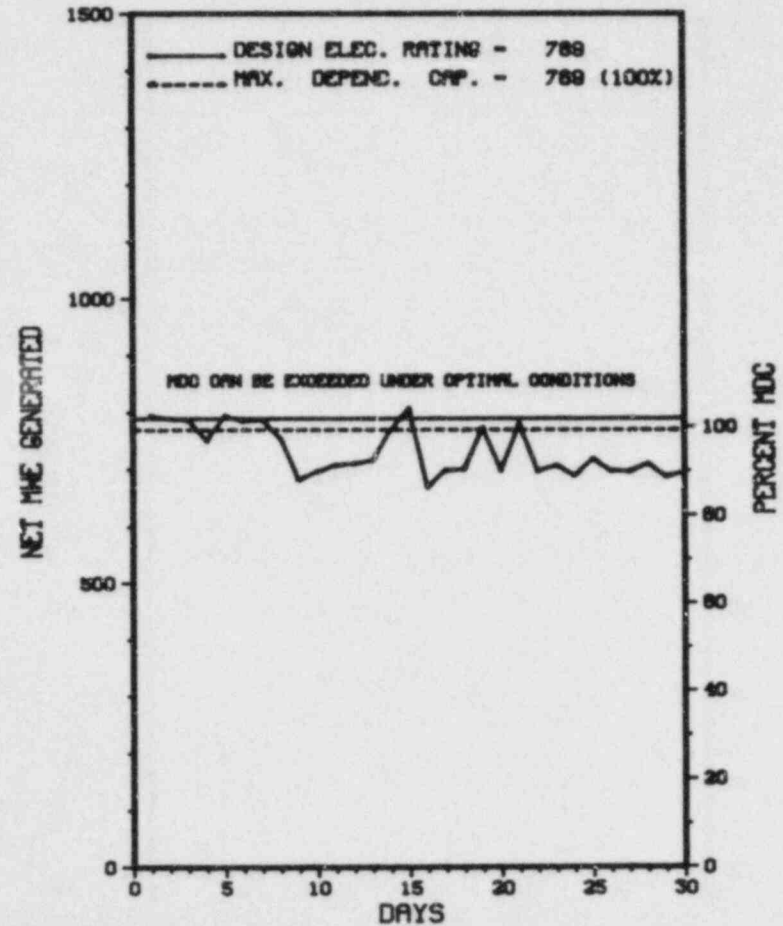
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>110,064.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,077.9</u>	<u>87,633.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,028.2</u>	<u>84,375.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWh)	<u>1,665,199</u>	<u>9,175,174</u>	<u>174,281,880</u>
18. Gross Elec Ener (MWh)	<u>549,782</u>	<u>3,035,797</u>	<u>56,294,525</u>
19. Net Elec Ener (MWh)	<u>529,253</u>	<u>2,888,077</u>	<u>52,493,337</u>
20. Unit Service Factor	<u>100.0</u>	<u>50.1</u>	<u>76.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>50.1</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>95.6</u>	<u>46.7</u>	<u>62.0</u>
23. Unit Cap Factor (DER Net)	<u>93.2</u>	<u>45.5</u>	<u>60.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.1</u>	<u>5.7</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



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-32	11/04/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-33	11/08/84	S	0.0	B	5		XX	ZZZZZ	REDUCED LOAD TO PERFORM TESTS ON ECONOMIC GENERATION CONTROL SYSTEM.
84-34	11/09/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-35	11/15/84	S	0.0	B	5		XX	ZZZZZ	REDUCED LOAD TO PLACE THE UNIT IN EGC.
84-36	11/17/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-37	11/22/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

 * SUMMARY *

 QUAD CITIES 1 OPERATED WITH 6 REDUCTIONS DURING NOVEMBER.

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 1 *

FACILITY DATA

Report Period NOV 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...OCTOBER 18, 1971
DATE ELEC ENER 1ST GENER...APRIL 12, 1972
DATE COMMERCIAL OPERATE...FEBRUARY 18, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-254
LICENSE & DATE ISSUANCE...DPR-29, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 24-28, (84-18): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; ACTIVATION OF THE EMERGENCY PLAN; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 115 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 7 THROUGH 9, (84-22): ROUTINE, UNANNOUNCED INSPECTION TO REVIEW THE CORE THERMAL POWER EVALUATION FOR UNITS 1 AND 2. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period NOV 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)

* Q U A D C I T I E S 1 *

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: DECEMBER 10-14, 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

```

=====
NUMBER      DATE OF      DATE OF      SUBJECT
            EVENT        REPORT
-----
=====

```


1. Docket: 50-265 O P E R A T I N G S T A T U S
2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
3. Utility Contact: DAVE KIMLER (309) 654-2241 X192
4. Licensed Thermal Power (MWh): 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

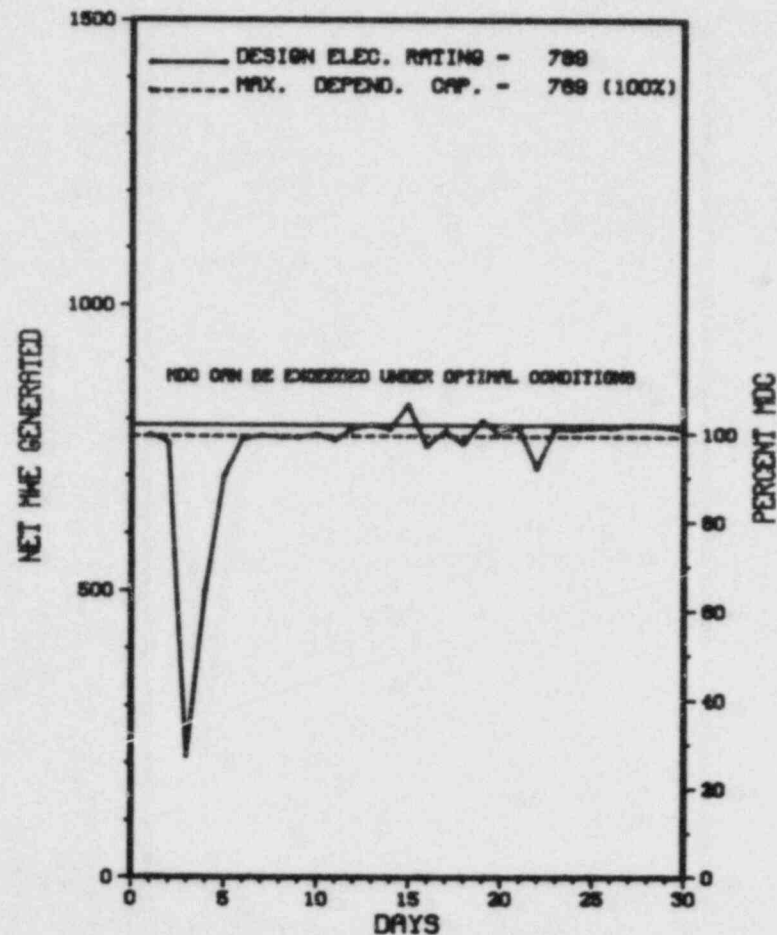
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>109,174.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,429.7</u>	<u>84,347.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,301.1</u>	<u>81,510.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,719,881</u>	<u>14,857,745</u>	<u>170,239,833</u>
18. Gross Elec Ener (MWH)	<u>560,237</u>	<u>4,797,216</u>	<u>54,232,974</u>
19. Net Elec Ener (MWH)	<u>540,081</u>	<u>4,581,910</u>	<u>50,916,784</u>
20. Unit Service Factor	<u>100.0</u>	<u>78.4</u>	<u>74.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>75.4</u>	<u>75.3</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>74.1</u>	<u>60.6</u>
23. Unit Cap Factor (DER Net)	<u>95.1</u>	<u>72.2</u>	<u>59.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.5</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</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
Q U A D C I T I E S 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-53	11/02/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-54	11/03/84	S	0.0	B	5		CC	VALVEX	REDUCED LOAD TO REPAIR THE 2B MOISTURE SEPARATOR DRAIN TANK VALVE.
84-55	11/11/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-56	11/18/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.
84-57	11/22/84	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO PERFORM WEEKLY TURBINE TESTS.

 * SUMMARY *

 QUAD CITIES 2 OPERATED WITH 5 REDUCTIONS DURING NOVEMBER.

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)

* QUAD CITIES 2 *

FACILITY DATA

Report Period NOV 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
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....A. MADISON
LICENSING PROJ MANAGER.....R. BEVAN
DOCKET NUMBER.....50-265
LICENSE & DATE ISSUANCE...DPR-30, DECEMBER 14, 1972
PUBLIC DOCUMENT ROOM.....MOLINE PUBLIC LIBRARY
504 17TH STREET
MOLINE, ILLINOIS 61265

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

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 24-28, (84-16): ROUTINE, ANNOUNCED INSPECTION OF THE FOLLOWING AREAS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY-IDENTIFIED ITEMS; ACTIVATION OF THE EMERGENCY PLAN; EMERGENCY DETECTION AND CLASSIFICATION; PROTECTIVE ACTION DECISIONMAKING; NOTIFICATIONS AND COMMUNICATIONS; CHANGES TO THE EMERGENCY PREPAREDNESS PROGRAM; SHIFT STAFFING AND AUGMENTATION; KNOWLEDGE AND PERFORMANCE OF DUTIES (TRAINING); LICENSEE AUDITS; AND MAINTENANCE OF EMERGENCY PREPAREDNESS. THE INSPECTION INVOLVED 115 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR AND TWO CONSULTANTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 7 THROUGH 9, (84-23): ROUTINE, UNANNOUNCED INSPECTION TO REVIEW THE CORE THERMAL POWER EVALUATION FOR UNITS 1 AND 2. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 20.203(C)(2) STATES: "EACH ENTRANCE OR ACCESS POINT TO A HIGH RADIATION AREA SHALL BE: "EQUIPPED WITH A CONTROL DEVICE WHICH SHALL CAUSE THE LEVEL OF RADIATION TO BE REDUCED BELOW THAT AT WHICH AN INDIVIDUAL MIGHT RECEIVE A DOSE OF 100 MILLIREMS IN 1 HOUR UPON ENTRY INTO THE AREA; OR "EQUIPPED WITH A CONTROL DEVICE WHICH SHALL ENERGIZE A CONSPICUOUS VISIBLE OR AUDIBLE ALARM SIGNAL IN SUCH A MANNER THAT THE INDIVIDUAL ENTERING THE HIGH RADIATION AREA AND THE LICENSEE OR A SUPERVISOR OF THE ACTIVITY ARE

Report Period NOV 1984

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

* QUAD CITIES 2 *

ENFORCEMENT SUMMARY

MADE AWARE OF THE ENTRY; OR MAINTAINED LOCKED EXCEPT DURING PERIODS WHEN ACCESS TO THE AREA IS REQUIRED, WITH POSITIVE CONTROL OVER EACH INDIVIDUAL ENTRY." CONTRARY TO THE ABOVE, ON SEPTEMBER 25, 1984, THE R-GATE TO THE NORTHEAST RESIDUAL HEAT REMOVAL AREA WAS UNLOCKED, WITHOUT CONTROL DEVICES, ALARMS, OR POSITIVE ACCESS CONTROL.
(8417 4)

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: DECEMBER 10-14, 1984

INSPECTION REPORT NO: 84-24

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

=====			

1. Docket: 50-312 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

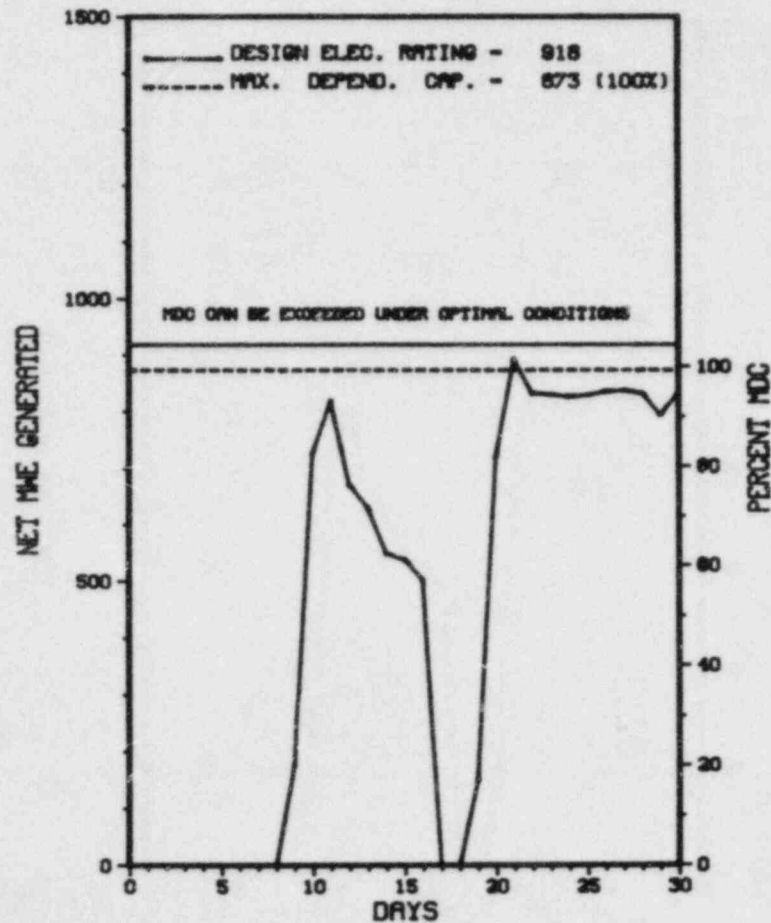
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>84,361.0</u>
13. Hours Reactor Critical	<u>502.7</u>	<u>4,596.2</u>	<u>48,947.8</u>
14. Rx Reserve Shutdown Hrs	<u>46.1</u>	<u>837.0</u>	<u>10,150.8</u>
15. Hrs Generator On-Line	<u>456.6</u>	<u>4,388.8</u>	<u>46,931.0</u>
16. Unit Reserve Shutdown Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>1,028,846</u>	<u>10,440,454</u>	<u>116,351,796</u>
18. Gross Elec Ener (MWH)	<u>353,835</u>	<u>3,499,998</u>	<u>38,896,070</u>
19. Net Elec Ener (MWH)	<u>326,882</u>	<u>3,255,674</u>	<u>36,629,998</u>
20. Unit Service Factor	<u>63.4</u>	<u>54.6</u>	<u>55.6</u>
21. Unit Avail Factor	<u>63.4</u>	<u>54.6</u>	<u>57.1</u>
22. Unit Cap Factor (MDC Net)	<u>52.0</u>	<u>46.4</u>	<u>49.7</u>
23. Unit Cap Factor (DER Net)	<u>49.5</u>	<u>44.1</u>	<u>47.3</u>
24. Unit Forced Outage Rate	<u>36.6</u>	<u>45.4</u>	<u>30.0</u>
25. Forced Outage Hours	<u>263.4</u>	<u>3,651.2</u>	<u>20,061.2</u>

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

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

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
RANCHO SECO 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	10/11/84	F	203.8	A	1	84-22	CI	HTEXCH	"A" OSTG TUBE LEAK.
11	11/11/84	F	0.0	A	5		HA	GENERA	REDUCTION IN POWER IN PREPARATION FOR SHUTDOWN DUE TO HOT SPOT ON MAIN GENERATOR UNIT CENTER LEAD BOX.
12	11/16/84	F	27.5	A	1		HA	GENERA	HOT SPOT ON MAIN GENERATOR UNIT LEAD BOX.
13	11/18/84	F	32.3	A	3	84-24	HA	INSTRU	IMPROPER OPERATION OF THE TURBINE GOVERNOR VALVE LIMITER DURING START UP CAUSED UPSET RESULTING IN HIGH PRESSURE TRIP.

 * SUMMARY *

 RANCHO SECO 1 OPERATED WITH 1 REDUCTION AND 3 OUTAGES DURING NOVEMBER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit E & 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		

* RANCHO SECO 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SACRAMENTO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI SE OF
SACRAMENTO, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1974
DATE ELEC EMER 1ST GENER...OCTOBER 13, 1974
DATE COMMERCIAL OPERATE...APRIL 17, 1975
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...FOLSOM CANAL
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SACRAMENTO MUN. UTIL. DISTRICT
CORPORATE ADDRESS.....6201 S STREET P.O. BOX 15830
SACRAMENTO, CALIFORNIA 95813
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...BABCOCK & WILCOX
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....J. ECKHARD
LICENSING PROJ MANAGER.....S. MINER
DOCKET NUMBER.....50-312
LICENSE & DATE ISSUANCE...DPR-54, AUGUST 16, 1974
PUBLIC DOCUMENT ROOM.....BUSINESS AND MUNICIPAL DEPARTMENT
SACRAMENTO CITY - COUNTY LIBRARY
828 I STREET
SACRAMENTO, CALIFORNIA 95814

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

INSPECTION SUMMARY

+ INSPECTION ON APRIL 24-25, 1984 (REPORT NO. 50-312/84-16) AREAS INSPECTED: THIS WAS A SPECIAL ANNOUNCED INSPECTION TO OBTAIN SELECTED ENVIRONMENTAL SAMPLES FOR INDEPENDENT MEASUREMENT VERIFICATION BY THE NRC. THE INSPECTION INVOLVED 24 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS AND 87 HOURS OF LABORATORY SAMPLE PREPARATION, ANALYSIS, AND EVALUATION EFFORT.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON JULY 23 - AUGUST 17, 1984 (REPORT NO. 50-312/84-17) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING OUTAGE CONDITIONS; TRAINING AND QUALIFICATIONS OF INDIVIDUALS INVOLVED IN RADIATION PROTECTION, PLANT CHEMISTRY, RADWASTE AND TRANSPORTATION; ACTIONS TAKEN ON FOLLOWUP ITEMS AND ON IE INFORMATION NOTICES; OFFSITE DOSE CALCULATIONS; RADIOLOGICAL IMPLICATIONS OF METAL OBJECT FOUND IN "B" STEAM GENERATOR; CONSTRUCTION WORKER CONCERNS WITH PORTAL MONITOR; GENERAL EMPLOYEE'S TRAINING (GET); AND A TOUR OF THE LICENSEE'S FACILITY. THE INSPECTION INVOLVED 122 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: OF THE SEVEN AREAS INSPECTED, NINE VIOLATIONS 10 CFR 20.201(B); 10 CFR 19.12; TECHNICAL SPECIFICATIONS, SECTION 6.11; AND 10 CFR 20.401(B) ASSOCIATED WITH UNNECESSARY OCCUPATIONAL EXPOSURE RELATED WITH THE THERMAL SLEEVE AND ENTRIES INTO THE STEAM GENERATOR CHANNEL HEADS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 13 - NOVEMBER 30, 1984 (REPORT NO. 50-312/84-26) REPORT BEING PREPARED, TO BE REPORTED NEXT MONTH.

INSPECTION SUMMARY

- + INSPECTION ON OCTOBER 18 - NOVEMBER 9, 1984 (REPORT NO. 50-312/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 15 - DECEMBER 3, 1984 (REPORT NO. 50-312/84-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 14-21, 1984 (REPORT NO. 50-312/84-29) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

10 CFR 20.201(B) REQUIRES, "EACH LICENSEE SHALL MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS (1) MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS IN THIS PART, AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT." (1) CONTRARY TO THE REQUIREMENTS, INDIVIDUALS WERE UNNECESSARILY EXPOSED TO A RADIOACTIVE PIECE OF THERMAL SLEEVE BECAUSE REASONABLE SURVEYS OF THE UPPER CHANNEL HEAD BETWEEN THE PERIOD OF JULY 10-19, 1984, AND REASONABLE SURVEYS OF THE "B" DTGS UPPER WORK PLATFORM BETWEEN THE PERIOD OF JULY 19-23, 1984 DID NOT ADEQUATELY EVALUATE THE HAZARDS PRESENT IN THAT: ON JULY 10, 1984, A RADIATION MEASUREMENT WAS NOT MADE OF A PIECE OF THERMAL SLEEVE LOCATED IN THE UPPER CHANNEL HEAD OF THE "B" DTGS EVEN THOUGH IT WAS SEEN BY LICENSEE PERSONNEL. REASONABLE SURVEYS OF THE THERMAL SLEEVE WERE NOT OBTAINED WHEN IT WAS TOSSED, OUT OF THE "B" DTSG ON JULY 19, 1984. SUBSEQUENT SURVEYS QUANTIFIED THE RADIATION HAZARD TO BE APPROXIMATELY 3000 REM/HR ON ITS SURFACE, 120 REM/HR ON CONTACT, WITH A PORTABLE SURVEY METER, AND 10 REM/HR AT ONE FOOT WITH A PORTABLE SURVEY METER. (2) CONTRARY TO THE REQUIREMENTS, AT LEAST TWO INDIVIDUALS ENTERED NON-UNIFORM RADIATION FIELDS RANGING FROM 3 REM/HR TO 30 REM/HR (EXCLUDING THE 120 REM/HR PIECE OF THERMAL SLEEVE) OF THE "B" DTSG BETWEEN JULY 10-19, 1984 AND A REASONABLE SURVEY WAS NOT CONDUCTED TO ASSURE THE PLACEMENT OF PERSONNEL MONITORING DEVICES MEASURED THE RADIATION EXPOSURE RECEIVED BY THE MAXIMALLY EXPOSED PORTIONS OF THE WORKERS BODIES SUCH THAT THE LIMITS PRESCRIBED IN 10 CFR 20.101(A) WOULD NOT BE EXCEEDED. IN BOTH INSTANCES THE WHOLE BODY MONITORING DEVICES WERE WORN AT CHEST LEVEL EVEN THOUGH THE MAXIMALLY EXPOSED PORTIONS OF THE WORKERS' WHOLE BODY WAS THE THIGH FOR THE UPPER CHANNEL HEAD AND AT HEAD LEVEL FOR THE LOWER CHANNEL HEAD. 10 CFR 19.12, "INSTRUCTION TO WORKERS" REQUIRES THAT INDIVIDUALS WORKING ON OR FREQUENTING ANY PORTION OF A RESTRICTED AREA BE KEPT INFORMED OF THE STORAGE AND USE OF RADIOACTIVE MATERIALS OR RADIATION, AND INSTRUCTED IN PRECAUTIONS OR PROCEDURES TO MINIMIZE EXPOSURE, AND..." CONTRARY TO THE REQUIREMENTS, INDIVIDUALS ENTERING THE "B" STEAM GENERATOR UPPER CHANNEL HEAD AND ADJACENT WORK PLATFORM BETWEEN THE PERIOD OF JULY 19, 1984 AND THE START OF DAYSHIFT ON JULY 23, 1984 WERE NOT INSTRUCTED OF THE PRESENCE OF A PIECE OF HIGHLY RADIOACTIVE MATERIAL IN THEIR IMMEDIATE WORK AREA SO THAT THEY COULD TAKE PRECAUTIONS DEEMED NECESSARY TO MINIMIZE THEIR EXPOSURES. TECHNICAL SPECIFICATION, SECTION 6.11, "RADIATION PROTECTION PROGRAM STATES IN PART, "PROCEDURES FOR PERSONNEL RADIATION PROTECTION SHALL BE PREPARED CONSISTENT WITH THE REQUIREMENTS OF 10 CFR PART 20 & SHALL BE APPROVED, MAINTAINED AND ADHERED TO FOR ALL OPERATIONS INVOLVING RADIATION EXPOSURE." (1) CONTRARY TO THE REQUIREMENTS, UNUSUAL RADIATION LEVELS DETECTED DURING THE REMOVAL OF THE THERMAL SLEEVE ON JULY 19, 1984 AND OF THE WORK PLATFORM ON JULY 22-23, 1984 WERE NOT REPORTED TO THE SCRA FOR HP AS REQUIRED BY SECTION 3.1.11 OF ADMINISTRATIVE PROCEDURE AP-305-8(B). (2) CONTRARY TO THE REQUIREMENTS, THE PIECE OF HIGHLY RADIOACTIVE THERMAL SLEEVE WAS NOT POSTED WITH A "HOT SPOT" STICKER UPON REMOVAL OF THE SLEEVE FROM THE "B" DTSG ON JULY 19, 1984 AS REQUIRED BY SECTION 3.2.7 OF AP-305-7. (3) CONTRARY TO THE REQUIREMENTS, IN 16 INSTANCES WORKERS FAILED TO SIGN IN ON THE RIGHT RWP ASSOCIATED WITH STEAM GENERATOR WORK (RWPS 219 AND RWP-240) AS REQUIRED BY SECTION 3.3.5.1 OF AP-305-4. (4) CONTRARY TO THE REQUIREMENTS, NO MEASUREMENTS OF THE AIRBORNE RADIOACTIVE MATERIAL CONCENTRATIONS IN THE BREATHING ZONE OF INDIVIDUALS WORKING INSIDE THE UPPER AND LOWER CHANNEL HEADS OF THE "B" DTSG WERE MADE BETWEEN THE PERIOD OF JULY 9-23, 1984 AS REQUIRED BY RWP'S 219 AND 240, AND SECTION 3.2 OF AP-305-8A AND SECTION 3 OF AP-305-8C. 10 CFR 20.401(B) STATES IN PART, "EACH LICENSEE SHALL MAINTAIN RECORDS IN THE SAME UNIT USED IN THIS PART, SHOWING THE RESULTS OF SURVEYS REQUIRED BY 10 CFR 20.201(B), MONITORING..." (1) CONTRARY TO THE REQUIREMENTS, ON JULY 19, 1984, SURVEYS WERE PERFORMED OF A PIECE OF FOREIGN MATERIAL REMOVED FROM THE "B" STEAM GENERATOR. DURING THE SURVEY, THE INSTRUMENT USED TO MEASURE THE RADIATION FIELD WENT OFF SCALE ON ITS 5 REM/HR RANGE. NO RECORD OF THIS SURVEY WAS MADE. (2) CONTRARY TO THE REQUIREMENTS, ON JULY 22 AND EARLY GRAVESHIFT JULY 23, 1984 SURVEYS OF THE "B" STEAM GENERATORS WORK PLATFORM WERE MADE SHOWING RADIATION MEASUREMENTS RANGING FROM 0.1 REM/HR TO 1.0 REM AT 18 INCHES FROM THE MANWAY OPENING. NO RECORDS OF THESE SURVEYS WERE MADE UNTIL AUGUST 4, 1984. THE LAST RECORDED SURVEYS TAKEN ON JULY 10, 1984 SHOWED RADIATION MEASUREMENTS RANGING FROM 0.008 REM/HR TO 0.500 REM/HR AT APPROXIMATELY 18 INCHES FROM THE MANWAY OPENING. RESULTS OF SURVEYS THAT MAY HAVE BEEN MADE AFTER JULY 10 IN THIS AREA WERE NOT RECORDED.

(8417 3)

ENFORCEMENT SUMMARY

TECHNICAL SPECIFICATIONS, SECTION 6.5.2.8, "AUDITS" STATES IN PART, "AUDITS OF FACILITY ACTIVITIES SHALL BE PERFORMED UNDER THE COGNIZANCE OF THE MSRC. THESE AUDITS SHALL ENCOMPASS: ... (B) THE PERFORMANCE, TRAINING, AND QUALIFICATION OF THE ENTIRE FACILITY STAFF AT LEAST ONCE PER YEAR." CONTRARY TO THE REQUIREMENTS, MSRC AUDIT #0-556 AND #0-629 ACCOMPLISHED IN 1983 AND 1984 DID NOT ENCOMPASS THE QUALIFICATIONS OF NON-LICENSED FACILITY STAFF MEMBERS BELOW THE LEVEL OF SUPERVISOR. FOR EXAMPLE, AUDITS TO VERIFY THE QUALIFICATIONS OF CHEMISTRY RADIATION ASSISTANTS WERE NOT ACCOMPLISHED.
(8417 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, & MAINTAINED COVERING THE ACTIVITIES RECOMMENDED IN REGULATORY GUIDE 1.33, NOVEMBER, 1972, WHICH SPECIFIES MAINTENANCE PROCEDURES. PLANT MAINTENANCE PROCEDURE MT.003 STATES IN PART IN THE LIMITS AND PRECAUTIONS STEP 3.12: "PRIOR TO ADJUSTING THE SAFETY VALVE, THE VALVE SHOULD BE THERMALLY STABLE AND HAVE BEEN SUBJECTED TO ALL ENVIRONMENTAL CONDITIONS EXPECTED DURING NORMAL SERVICE...IT IS NOT GENERALLY EXPECTED THAT THIS STABILITY WILL TAKE PLACE IN LESS THAN 24 HOURS". ALSO, THE DRESSER INDUSTRIES TECHNICAL MANUAL N6.06, STATES FOR THE INPLACE TESTING: "THE VALVE SHOULD BE MONITORED TO INSURE THAT IT IS THERMALLY STABLE PRIOR TO FINAL ADJUSTMENTS". CONTRARY TO THE REQUIREMENTS, ON APRIL 18, 1984, PRESSURIZER CODE SAFETY VALVE PSV-21507, (WORK REQUEST NO. 84840), WAS NOT THERMALLY STABILIZED WHEN TESTED. THIS RESULTED IN THE VALVE LIFTING PREMATURELY ON JULY 31, 1984.
(8419 4)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE ACTIVITIES OF FIRE PROTECTION. ADMINISTRATIVE PROCEDURE AP.29, "USE AND CONTROL OF COMBUSTIBLE MATERIALS AND IGNITION SOURCES", PARAGRAPH 3.2.4 REQUIRES THAT "...COMBUSTIBLE SOLVENTS OR LUBRICANTS SHALL NOT BE CARRIED OR STORED OUTSIDE OF THEIR IN STOCK STORAGE AREAS EXCEPT IN SAFETY CONTAINERS OR FIRE-PROOF LOCKERS". PARAGRAPH 3.2.6 DEFINES A SAFETY CONTAINER AS "A NONEXPLOSIVE TYPE CONTAINER WITH SUBSTANTIAL COVERS ARRANGED TO CLOSE AUTOMATICALLY OR MANUALLY WITHOUT EXPOSING AN EMPLOYEE TO DANGER. THEY ARE PAINTED A DISTINCTIVE COLOR, USUALLY FIRE ENGINE RED. SAFETY CONTAINERS SHALL BE UL OR FM APPROVED". CONTRARY TO THE REQUIREMENTS, ON AUGUST 22, 1984, THE INSPECTORS OBSERVED ONE GALLON PLASTIC CONTAINERS OF OIL NEAR THE EXPENDED FUEL POOL HEAT EXCHANGER AND NEAR THE SPARE TRANSFORMER ON THE TURBINE DECK.
(8419 5)

TECHNICAL SPECIFICATION 6.8.1 REQUIRES FIRE PROTECTION PROCEDURES TO BE IMPLEMENTED. ADMINISTRATION PROCEDURE AP.32 REQUIRES FIRE BRIGADE LEADERS TO RECIEVE THE TRAINING SPECIFIED IN APPENDIX R TO 10 CFR 50. CONTRARY TO THE REQUIREMENTS, ONE SENIOR CONTROL ROOM OPERATOR HAD NOT RECEIVED THE TRAINING SPECIFIED IN 10 CFR 50 APP R. THIS MAN WOULD BE FIRE BRIGADE LEADER FOR HIS SHIFT. TECHNICAL SPECIFICATION 6.8.1 REQUIRES FIRE PROTECTION PROCEDURES TO BE IMPLEMENTED. ADMIN PROCEDURE AP.29 SPECIFIES THE REQUIREMENTS FOR PROPER STORAGE OF COMBUSTIBLE LIQUIDS. CONTRARY TO THE REQUIREMENTS, AT THE TIME OF THE INSPECTION THE INSPECTOR FOUND 2 OPEN CONTAINERS, ONE 1-GALLON POLY BOTTLE AND 3 55-GALLON DRUMS OF LUBE OIL IMPROPERLY STORED IN DIESEL GENERATOR ROOM B. TS6.8.1 REQUIRES TRAINING FOR HERALD FIRE DEPARTMENT. CONTRARY TO THE REQUIREMENTS, AT THE TIME OF THE INSPECTION NO SUCH TRAINING HAD BEEN CONDUCTED SINCE 1981.
(8422 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period NOV 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)

* RANCHO SECO 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT RETURNED TO POWER OPERATION ON NOVEMBER 9, 1984, FOLLOWING OSTG TUBE PLUGGING REPAIRS AND REMAINED THERE FOR THE REMAINDER OF THE MONTH.

LAST IE SITE INSPECTION DATE: 11/15-12/3/84+

INSPECTION REPORT NO: 50-312/84-28+

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
84-07-X1	08-31-84	09-27-84	RADIOLOGICAL EXPOSURES REPORTED TO BE IN EXCESS OF 10 CFR 20.405(C) AND 40 CFR 190 LIMITS (SPECIAL REPORT)

1. Docket: 50-261 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: A. E. SCOTT (803) 383-4524

4. Licensed Thermal Power (Mwt): 2300

5. Nameplate Rating (Gross MWe): 854 X 0.9 = 769

6. Design Electrical Rating (Net MWe): 700

7. Maximum Dependable Capacity (Gross MWe): 700

8. Maximum Dependable Capacity (Net MWe): 665

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>120,486.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>616.1</u>	<u>84,196.8</u>
14. Rx Reserve Shtdwn Hrs	<u>106.7</u>	<u>145.6</u>	<u>1,782.2</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>-5,291</u>	<u>195,916</u>	<u>49,415,540</u>
20. Unit Service Factor	<u>.0</u>	<u>7.7</u>	<u>68.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>7.7</u>	<u>68.1</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>3.7</u>	<u>61.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>3.5</u>	<u>58.6</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>

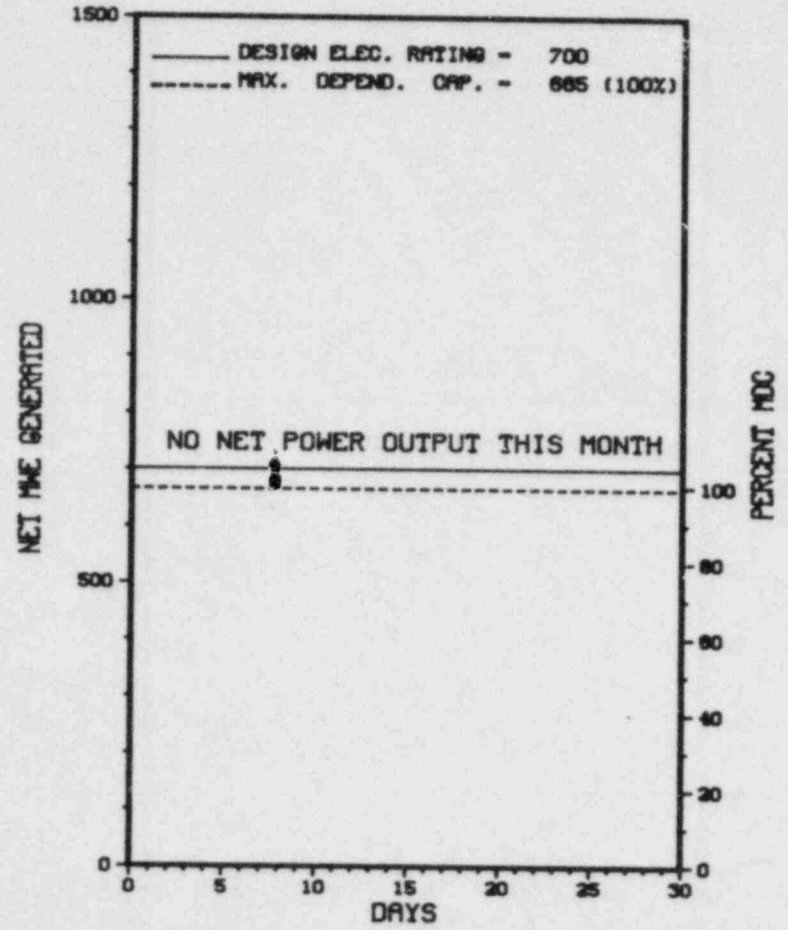
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1101	01/26/84	S	720.0	C	4		CJ	HTEXCH	CONTINUATION OF REFUELING AND STEAM GENERATOR REPLACEMENT OUTAGE.

* SUMMARY *

ROBINSON 2 REMAINS SHUTDOWN IN A REFUELING AND REPAIR 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* ROBINSON 2 *

FACILITY DATA

Report Period NOV 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 11 - OCTOBER 10 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 127 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, PLANT TOUR, OPERATIONS PERFORMANCE, REPORTABLE OCCURRENCES, HOUSEKEEPING, SITE SECURITY, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, RADIATION CONTROL ACTIVITIES, OUTSTANDING ITEMS REVIEW, IE BULLETIN, AND NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, AND ENFORCEMENT ACTION FOLLOWUP. OF THE 15 AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 14-17 (84-38): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 32 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF REFUELING ACTIVITY, IEB FOLLOWUP, PLANT TOUR AND SPENT FUEL POOL ACTIVITIES. OF THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 29 - NOVEMBER 2 (84-39): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 74 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING THE TYPE A LEAK RATE TEST AND REVIEW OF ASSOCIATED DOCUMENTATION; REVIEW OF TYPE B AND TYPE C LEAK RATE TEST PROCEDURES AND PROGRAM; AND FOLLOW-UP OF OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 29 - NOVEMBER 2 (84-42): THIS SPECIAL, UNANNOUNCED INSPECTION INVOLVED 26 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING: RADIATION PROTECTION PROGRAM; INTERNAL AND EXTERNAL EXPOSURE CONTROL; POSTING, LABELING, AND CONTROL OF RADIOLOGICAL CONTROLLED AREAS; ORGANIZATION AND MANAGEMENT CONTROLS; ALARA PROGRAM; AND PREVIOUS INSPECTOR IDENTIFIED ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-272 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>65,065.0</u>
13. Hours Reactor Critical	<u>438.3</u>	<u>2,044.7</u>	<u>35,195.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>54.5</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>366.7</u>	<u>1,770.1</u>	<u>33,547.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>903,559</u>	<u>5,092,629</u>	<u>100,914,206</u>
18. Gross Elec Ener (MWH)	<u>288,570</u>	<u>1,673,990</u>	<u>33,286,888</u>
19. Net Elec Ener (MWH)	<u>261,671</u>	<u>1,530,172</u>	<u>31,501,484</u>
20. Unit Service Factor	<u>50.9</u>	<u>22.0</u>	<u>51.6</u>
21. Unit Avail Factor	<u>50.9</u>	<u>22.0</u>	<u>51.6</u>
22. Unit Cap Factor (MDC Net)	<u>33.7</u>	<u>17.6</u>	<u>44.9</u>
23. Unit Cap Factor (DER Net)	<u>33.3</u>	<u>17.5</u>	<u>44.4</u>
24. Unit Forced Outage Rate	<u>49.1</u>	<u>67.7</u>	<u>34.5</u>
25. Forced Outage Hours	<u>353.3</u>	<u>3,718.3</u>	<u>17,941.6</u>

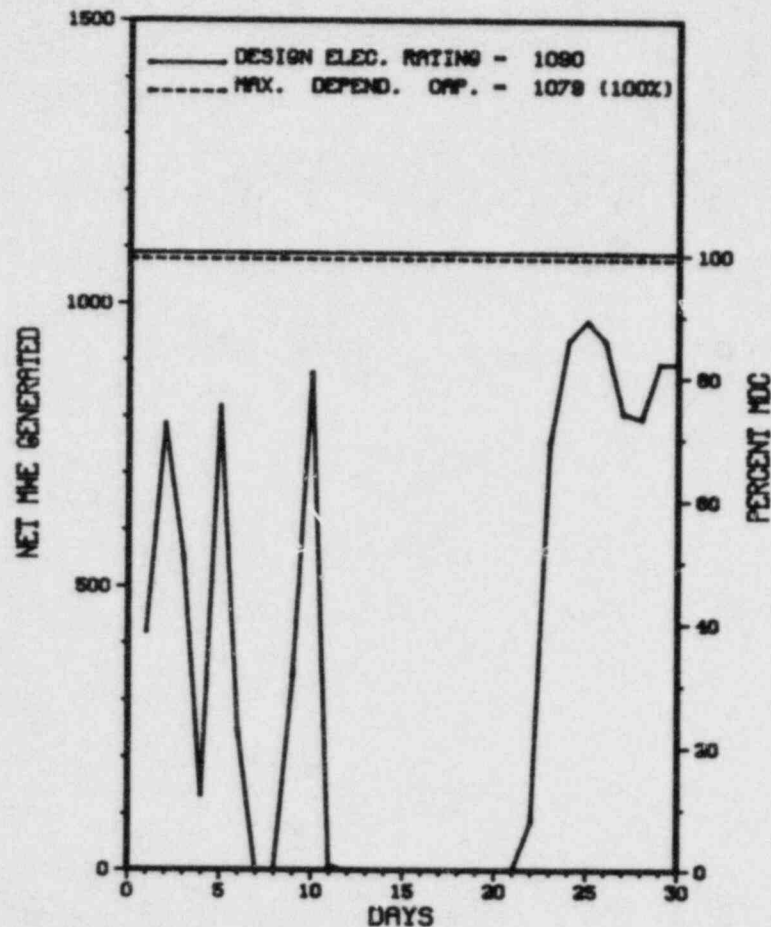
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-202	10/30/84	F	0.0	A	5		HA	XXXXXX	LOSS OF VACUUM/HIGH BACK PRESSURE.
84-204	11/01/84	F	0.0	A	5		HA	XXXXXX	LOSS OF VACUUM/HIGH BACK PRESSURE.
84-206	11/01/84	F	0.0	A	5		HA	XXXXXX	LOSS OF VACUUM/HIGH BACK PRESSURE.
84-210	11/02/84	F	0.0	A	5		HH	PUMPXX	FEEDWATER HEATER DRAIN PUMPS.
84-212	11/03/84	F	0.0	A	5		HA	INSTRU	STATOR WINDINGS TERMINALS BUSHINGS.
84-214	11/03/84	F	0.0	A	5		HA	INSTRU	STATOR WINDINGS TERMINALS BUSHINGS.
84-216	11/04/84	F	5.9	A	1		HA	INSTRU	STATOR WINDINGS TERMINALS BUSHINGS.
84-222	11/06/84	F	72.8	A	3		HA	INSTRU	TURBINE GOVERNING SYSTEM CONTROL.
84-228	11/11/84	F	274.6	A	3		HA	INSTRU	TURBINE GOVERNING SYSTEM CONTROL.
84-234	11/27/84	F	0.0	A	5		HA	INSTRU	STEAM TURBINE PROBLEMS.

 * SUMMARY *

 SALEM 1 OPERATED ROUTINELY DURING 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)

* SALEM 1 *

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

Report Period NOV 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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

1. Docket: 50-311 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: J. P. RONAFALVY (609) 935-6000 X4455

4. Licensed Thermal Power (MWt): 3411

5. Nameplate Rating (Gross MWe): 1162

6. Design Electrical Rating (Net MWe): 1115

7. Maximum Dependable Capacity (Gross MWe): 1149

8. Maximum Dependable Capacity (Net MWe): 1106

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

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

11. Reasons for Restrictions, If Any:
NONE

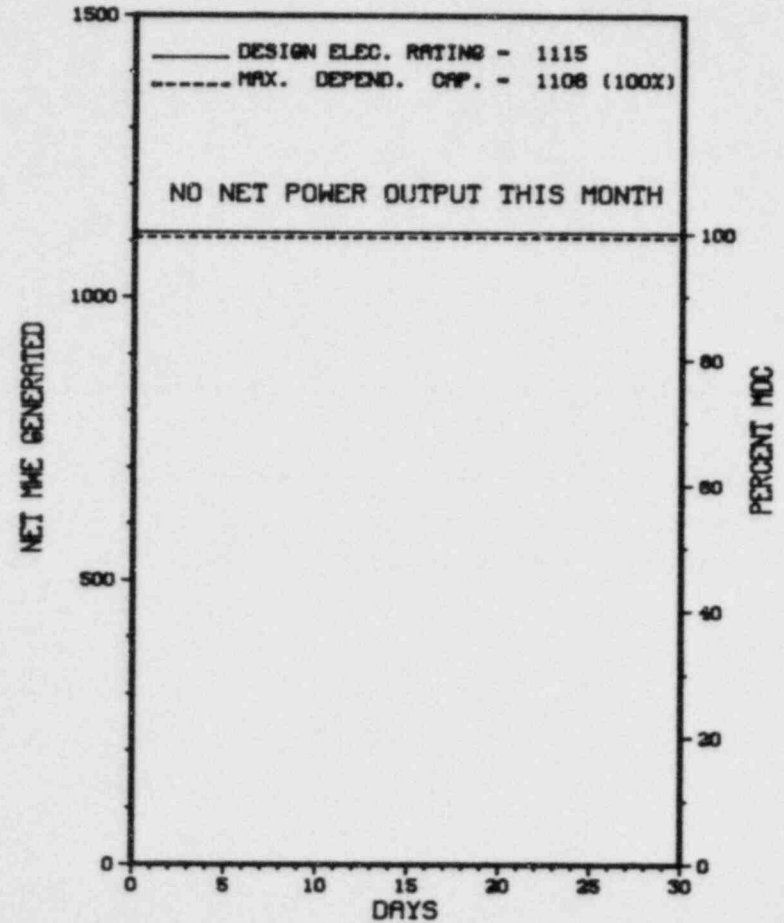
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>27,481.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,386.0</u>	<u>15,094.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,443.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,194.8</u>	<u>14,612.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>10,255,964</u>	<u>43,727,036</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,409,360</u>	<u>14,277,650</u>
19. Net Elec Ener (MWH)	<u>-3,441</u>	<u>3,203,561</u>	<u>13,520,812</u>
20. Unit Service Factor	<u>.0</u>	<u>39.7</u>	<u>53.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>39.7</u>	<u>53.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>36.0</u>	<u>44.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>35.7</u>	<u>44.1</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>60.3</u>	<u>38.2</u>
25. Forced Outage Hours	<u>720.0</u>	<u>4,845.2</u>	<u>9,028.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 03/26/85

* SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SALEM 2



NOVEMBER 1984

Report Period NOV 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	48.0	A	4		HA	GENERA	STATOR WINDINGS.
84-302	11/03/84	F	672.0	A	9		HA	GENERA	MAJOR GENERATOR OVERHAUL, MAJOR TURBINE OVERHAUL, MISC. MAJOR CONDENSER OVERHAUL.

* SUMMARY *

SALEM 2 REMAINS SHUTDOWN IN A CONTINUING REPAIR 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)

* SALEM 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....NEW JERSEY
COUNTY.....SALEM
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI S OF
WILMINGTON, DEL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 8, 1980
DATE ELEC ENER 1ST GENER...JUNE 3, 1981
DATE COMMERCIAL OPERATE...OCTOBER 13, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...DELAWARE RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PUBLIC SERVICE ELECTRIC & GAS
CORPORATE ADDRESS.....80 PARK PLACE
NEWARK, NEW JERSEY 07101
CONTRACTOR
ARCHITECT/ENGINEER.....PUBLIC SERVICES & GAS CO.
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....UNITED ENG. & CONSTRUCTORS
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. LINVILLE
LICENSING PROJ MANAGER....D. FISCHER
DOCKET NUMBER.....50-311
LICENSE & DATE ISSUANCE...DPR-75, MAY 20, 1981
PUBLIC DOCUMENT ROOM.....SALEM FREE PUBLIC LIBRARY
112 WEST BROADWAY
SALEM, NEW JERSEY 08079

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 TECHNICAL SPECIFICATION 6.8.1; REGULATORY GUIDE 1.33 REV. 2; AND OPERATING PROCEDURES II-4.3.1, SAFETY INJECTION SYSTEM, AND IOP 2, COL D SHUTDOWN TO HOT STANDBY, ON AUGUST 10, 1984, THE REQUIRED PROCEDURES WERE NOT IMPLEMENTED IN THAT NO COMPLETE OP II-4.3.1 CHECK OFF SHEET 1 WAS ON FILE AND IOP 2 WAS INITIATED ON AUGUST 6, 1984 WITHOUT VERIFYING THAT THE SAFETY INJECTION SYSTEM WAS COMPLETELY ALIGNED FOR OPERATION. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES THAT ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY PROCEDURES OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES. THIS REQUIREMENT IS IMPLEMENTED BY THE LICENSEE'S APPROVED QUALITY ASSURANCE PROGRAM TOPICAL REPORT TVA-TR75-1 SECTION 17.2.5 AND THE OPERATIONAL QUALITY ASSURANCE MANUAL, PART III, SECTION 1.1 AND 1.2. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO ESTABLISH OR IMPLEMENT APPROPRIATE PROCEDURES IN THAT A REVIEW REQUIRED BY ADMINISTRATIVE INSTRUCTION AI-17 PRIOR TO CONCRETE DRILLING FAILED TO DETERMINE THE POSSIBILITY OF BURIED CABLE AND CAUTION WORKERS OF SUCH; NOR DID IT SPECIFY TOOLS OR TECHNIQUES FOR CONCRETE REMOVAL. FURTHER, THE PROCEDURE WAS NOT APPROPRIATE FOR THE CIRCUMSTANCES IN THAT NO GUIDANCE WAS PROVIDED FOR REVIEWING FIELD-RUN DRAWINGS WHEN EXACT PLACEMENT OF EMBEDDED ITEMS WAS UNCLEAR. THESE EXAMPLES OF FAILURE TO ESTABLISH AND IMPLEMENT ADEQUATE PROCEDURES RESULTED IN THE UPPER HEAD OBJECTION SYSTEM (UHI) BECOMING INOPERABLE WHEN UHI CABLING WAS CUT DURING CORE DRILLING ON SEPTEMBER 19, 1984. (8427 4)

1. Docket: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licansed 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>720.0</u>	<u>8,040.0</u>	<u>153,080.0</u>
13. Hours Reactor Critical	<u>144.6</u>	<u>144.6</u>	<u>88,585.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>78.7</u>	<u>78.7</u>	<u>84,900.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>32,376</u>	<u>32,376</u>	<u>108,296,322</u>
18. Gross Elec Ener (MWH)	<u>9,600</u>	<u>9,600</u>	<u>36,916,034</u>
19. Net Elec Ener (MWH)	<u>854</u>	<u>-16,114</u>	<u>34,925,645</u>
20. Unit Service Factor	<u>10.9</u>	<u>1.0</u>	<u>55.5</u>
21. Unit Avail Factor	<u>10.9</u>	<u>1.0</u>	<u>55.5</u>
22. Unit Cap Factor (MDC Net)	<u>.3</u>	<u>.0</u>	<u>52.3</u>
23. Unit Cap Factor (DER Net)	<u>.3</u>	<u>.0</u>	<u>52.3</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>

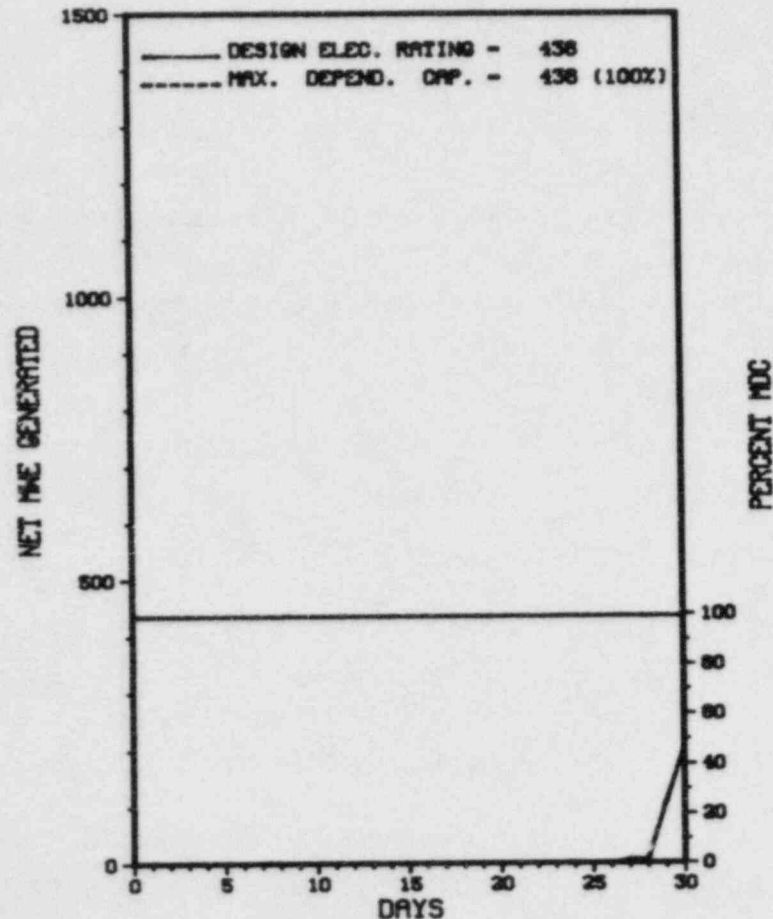
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
78	02/27/82	S	639.3	B	4		ZZ		EXTENDED OUTAGE TO ACCOMPLISH SEISMIC BACKFIT AND MISCELLANEOUS MAINTENANCE ITEMS.
79	11/28/84	S	2.0	B	3				TURBINE GENERATOR TAKEN OFF-LINE FOR OVERSPEED TRIP TESTING.

 * SUMMARY *

 SAN ONOFRE 1 RETURNED ONLINE ON NOVEMBER 27TH FROM MAINTENANCE AND OPERATED WITH 1 ADDITIONAL OUTAGE DURING 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* SAN ONOFRE 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN DIEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 14, 1967
DATE ELEC ENER 1ST GENER...JULY 16, 1967
DATE COMMERCIAL OPERATE...JANUARY 1, 1968
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY
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. DANGLIO
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 AUGUST 6 - OCTOBER 14, 1984 (REPORT NO. 50-206/84-19) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, FOLLOWUP ON LICENSEE EVENT REPORTS, BI-MONTHLY WALKDOWN OF ESF SYSTEMS, ONSITE FOLLOWUP OF EVENTS, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 364 INSPECTOR-HOURS ONSITE BY NINE NRC INSPECTORS. IN ADDITION, 240 INSPECTION HOURS WERE PERFORMED BY FOUR NRC CONTRACTOR PERSONNEL ON SEISMIC MODIFICATIONS (INCLUDING ANCHOR BOLTS, PIPE SUPPORTS AND ELECTRICAL TERMINATIONS AND CONNECTIONS).

RESULTS: OF THE SIX AREAS EXAMINED, ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW HOUSEKEEPING PROCEDURES (I.E., FAILURE TO FOLLOW FOREIGN MATERIAL EXCLUSION (FME) PROCEDURES ON A DIESEL).

+ INSPECTION ON OCTOBER 15 - NOVEMBER 13, 1984 (REPORT NO. 50-206/84-24) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 15-18, 1984 (REPORT NO. 50-206/84-27) AREAS INSPECTED: AN UNANNOUNCED SAFETY INSPECTION BY AN NRC REGIONAL INSPECTOR AND AN NRC CONSULTANT FOR THE FOLLOWUP OF GENERIC LETTER 83-28, "REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ATWS EVENTS." THIS INSPECTION INVOLVED 32 INSPECTOR-HOURS BY ONE NRC INSPECTOR AND 40 HOURS BY THE NRC CONSULTANT.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 15-19 AND NOVEMBER 5-9, 1984 (REPORT NO. 50-206/84-29) AREAS INSPECTED: A SPECIAL INSPECTION WAS

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-361 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>8,049.0</u>	<u>11,545.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>16,584,748</u>	<u>25,078,283</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,577,911</u>	<u>8,489,875</u>
19. Net Elec Ener (MWH)	<u>-3,104</u>	<u>5,269,540</u>	<u>8,045,184</u>
20. Unit Service Factor	<u>.0</u>	<u>64.3</u>	<u>67.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>64.3</u>	<u>67.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>61.2</u>	<u>65.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>61.2</u>	<u>65.1</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):

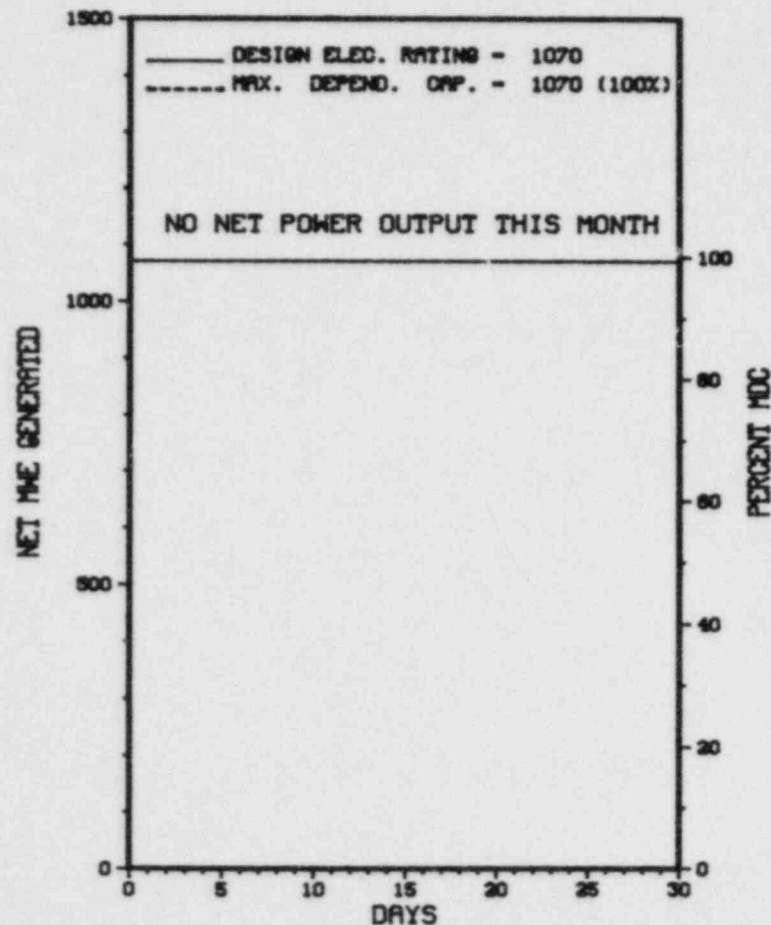
NONE

27. If Currently Shutdown Estimated Startup Date: 02/08/85

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	REFUELING AND MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

SAN ONOFRE 2 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)
	F-Admin		
	G-Oper Error		
	H-Other		

* SAN ONOFRE 2 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA

COUNTY.....SAN DIEGO

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
SAN CLEMENTE, CA

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...JULY 26, 1982

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982

DATE COMMERCIAL OPERATE...AUGUST 8, 1983

CONDENSER COOLING METHOD...ONCE THRU

CONDENSER COOLING WATER...PACIFIC OCEAN

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON

CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V

IE RESIDENT INSPECTOR.....A. CHAFFEE

LICENSING PROJ MANAGER.....H. ROOD
DOCKET NUMBER.....50-361

LICENSE & DATE ISSUANCE...., SEPTEMBER 7, 1982

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 AUGUST 6 - OCTOBER 14, 1984 (REPORT NO. 50-361/84-24) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, FOLLOWUP ON LICENSEE EVENT REPORTS, BI-MONTHLY WALKDOWN OF ESF SYSTEMS, ONSITE FOLLOWUP OF EVENTS, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 289 INSPECTOR-HOURS ONSITE BY NINE NRC INSPECTORS.

RESULTS: OF THE SIX AREAS EXAMINED, ONE VIOLATION WAS IDENTIFIED: FAILURE TO FOLLOW HOUSEKEEPING PROCEDURES (I.E., FAILURE TO REMOVE WORK MATERIAL FOR INACTIVE WORK IN SAFETY EQUIPMENT BUILDING).

+ INSPECTION ON OCTOBER 15 - NOVEMBER 13, 1984 (REPORT NO. 50-361/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 15-19 AND NOVEMBER 5-9, 1984 (REPORT NO. 50-361/84-29) AREAS INSPECTED: A SPECIAL INSPECTION WAS CONDUCTED TO REVIEW THE LICENSEE'S ACTION TO VERIFY IMPLEMENTATION OF TMI ACTION PLAN ITEMS II.B.3 AND II.F.1. THE INSPECTION ALSO INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION ADDRESSED CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, OCCUPATIONAL EXPOSURE, REVIEW OF LICENSEE REPORTS, AND FOLLOWUP ON INFORMATION NOTICES. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 15 - NOVEMBER 9, 1984 (REPORT NO. 50-361/84-30) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period NOV 1984

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

* SAN ONOFRE 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
08-10-X0	08-10-84	09-10-84	LAND USE CENSUS IDENTIFIED LOCATIONS WHICH RESULT IN INCREASES IN CALCULATED OFFSITE DOSES (SPECIAL REPORT)
84-46-L0	08-15-84	09-17-84	COMPONENT COOLING TRAINS INOPERABLE
84-47-L0	08-11-84	09-07-84	ACTUATION OF CONTROL ROOM ISOLATION CAUSED BY MONITOR NOISE SPIKES--EARLIER EVENTS BEING EVAL
84-48-L0	08-22-84	09-20-84	DIESEL GENERATOR LOAD VERIFICATION DELINQUENT SURVEILLANCE
84-49-L0	08-24-84	09-19-84	ACTUATION OF CPIS(CONTAINMENT PURGE ISOLATION SYSTEM) DUE TO SPURIOUS NOISE ON AREA MONITOR ZRT-7856
84-50-L0	08-26-84	09-25-84	REACTOR TRIP ON LPD/DNBR
84-51-L0	08-29-84	09-28-84	TWO INOPERABLE SAFETY INJECTION TANKS
84-52-L0	09-30-84	10-01-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM ACTUATIONS
84-53-L0	09-19-84	10-16-84	MONITOR 2RE-7823-2 CSD SPURIOUS ACTIVATION OF FUEL HANDLING ISOLATION (FHIS) TRN-PROC ERROR
84-54-L0	09-24-84	10-24-84	NOBLE GAS RELEASE 117.5CI XE-133 CAUSED BY STRIPPER DRAIN VALVE FAILURE-4 HR.REPORT NOT TIMELY
84-55-L0	09-28-84	10-29-84	SPURIOUS TOXIC GAS ISOLATION SYSTEM (TGIS) ACTUATION
84-56-L0	10-02-84	10-29-84	LOSS OF POWER TO THE 120V VITAL BUS
84-58-L0	10-02-84	11-01-84	PER DEGAS RELIEF VALVE LIFTER-RSP T/AIR CNTRL PRES TRANSIENT 97.5 CI NOBLE GAS RELEASE
84-59-L0	10-03-84	11-01-84	MONITORS PLACED IN ALARM DEFEAT-FOLLOWUP ON CORRECTIVE ACTION

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: L. I. MAYWEATHER (714) 492-7700 X56223

4. Licensed Thermal Power (Mwt): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

9. If Changes Occur Above Since Last Report, Give Reasons:
MDC NET & DER REFLECT AUXILIARY STATION LOADS.

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>5,856.0</u>	<u>5,856.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>10,954,332</u>	<u>10,954,332</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,704,371</u>	<u>3,704,371</u>
19. Net Elec Ener (MWH)	<u>-11,847</u>	<u>3,475,704</u>	<u>3,475,704</u>
20. Unit Service Factor	<u>.0</u>	<u>59.4</u>	<u>59.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.4</u>	<u>59.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>55.0</u>	<u>55.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>55.0</u>	<u>55.0</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>

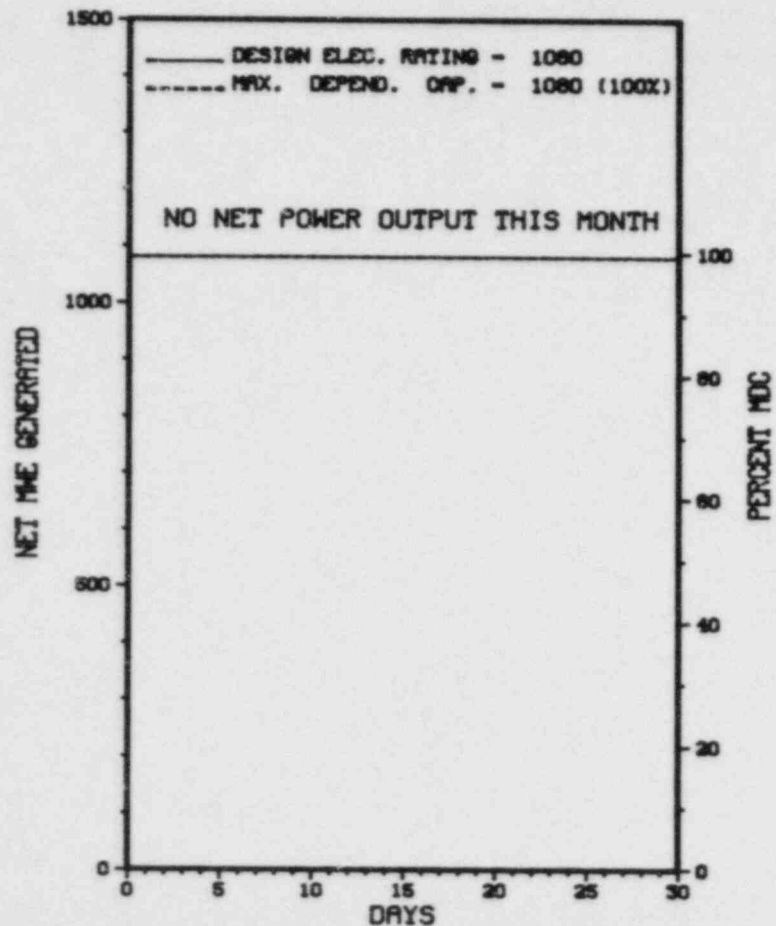
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 12/04/84

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



NOVEMBER 1984

Report Period NOV 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	720.0	B	4		AB	SG	CONTINUATION ON SCHEDULED OUTAGE FOR REPAIR OF PRIMARY TO SECONDARY LEAK IN STEAM GENERATOR E-089.

* SUMMARY *

SAN ONOFRE 3 REMAINS SHUTDOWN IN A CONTINUING 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)

* SAN ONOFRE 3 *

FACILITY DATA

Report Period NOV 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...AUGUST 29, 1983
DATE ELEC ENER 1ST GENER...SEPTEMBER 25, 1983
DATE COMMERCIAL OPERATE...APRIL 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTHERN CALIFORNIA EDISON
CORPORATE ADDRESS.....P.O. BOX 800
ROSEMEAD, CALIFORNIA 91770
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC COM (ENG VERSION)

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. CHAFFEE
LICENSING PROJ MANAGER....H. ROOD
DOCKET NUMBER.....50-362
LICENSE & DATE ISSUANCE...NPF-15, NOVEMBER 15, 1982
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 AUGUST 6 - OCTOBER 14, 1984 (REPORT NO. 50-362/84-24) AREAS INSPECTED: ROUTINE RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, FOLLOWUP ON LICENSEE EVENT REPORTS, BI-MONTHLY WALKDOWN OF ESF SYSTEMS, ONSITE FOLLOWUP OF EVENTS, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 387 INSPECTOR-HOURS ONSITE BY NINE NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 15 - NOVEMBER 13, 1984 (REPORT NO. 50-362/84-28) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON OCTOBER 15-19 AND NOVEMBER 5-9, 1984 (REPORT NO. 50-362/84-30) AREAS INSPECTED: A SPECIAL INSPECTION WAS CONDUCTED TO REVIEW THE LICENSEE'S ACTION TO VERIFY IMPLEMENTATION OF TMI ACTION PLAN ITEMS II.B.3 AND II.F.1. THE INSPECTION ALSO INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION ADDRESSED CONTROL OF RADIOACTIVE MATERIAL AND CONTAMINATION, OCCUPATIONAL EXPOSURE, REVIEW OF LICENSEE REPORTS, AND FOLLOWUP ON INFORMATION NOTICES. THE INSPECTION INVOLVED 175 INSPECTOR-HOURS ONSITE BY FOUR NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 15 - NOVEMBER 9, 1984 (REPORT NO. 50-362/84-31) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period NOV 1984

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

* SAN ONOFRE 3 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
08-10-X0	08-10-84	09-10-84	LAND USE CENSUS IDENTIFIED LOCATIONS WHICH RESULT IN INCREASES IN CALCULATED OFFSITE DOSES (SPECIAL REPORT)
08-25-X0	08-25-84	09-10-84	AIR EJECTOR MNR 3RT-7870 REMOVED F/SERVICE-NOT RET IN LCD TIME LIMIT ALTERNATE SAMPLE (SPECIAL REPORT)
84-30-L0	08-03-84	09-04-84	CONTAINMENT PURGE ISOLATION CAUSED BY MONITOR MALFUNCTION-NOISE SUSCEPTIBILITY BEING INVESTIGATED
84-31-L0	08-03-84	09-04-84	CONTAINMENT PURGE ISOLATION OCCURRED-ACTUATED BY MONITOR-NO RELEASE IN EXCESS OF LIMITS
84-35-L0	08-21-84	09-17-84	HIGH PRESSURE SAFETY INJECTION PUMPS INOPERABILITY
84-36-L0	08-23-84	09-24-84	STEAM GENERATOR WIDE RANGE CHANNEL INOPERABLE
84-37-L0	08-23-84	09-18-84	DOSE EQUIV IODINE EXCEEDED R1 UCI/GM F/TOT OF 45 HRS FOL SHUT DOWN FOR HIGH CHLORINE
84-38-L0	09-22-84	10-17-84	DOSE EQUIVALENT IODINE EXCEEDED 1 UCI/GM FOR 35.75 HRS -ALTERNATE SAMPLING IMPLEMENTED---

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>29,977.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,462.1</u>	<u>19,903.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,251.7</u>	<u>19,364.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,447,365</u>	<u>16,660,552</u>	<u>62,152,352</u>
18. Gross Elec Ener (MWH)	<u>831,830</u>	<u>5,494,770</u>	<u>20,875,906</u>
19. Net Elec Ener (MWH)	<u>804,641</u>	<u>5,276,711</u>	<u>20,053,639</u>
20. Unit Service Factor	<u>100.0</u>	<u>65.3</u>	<u>65.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>65.3</u>	<u>64.6</u>
22. Unit Cap Factor (MDC Net)	<u>97.3</u>	<u>57.2</u>	<u>58.3</u>
23. Unit Cap Factor (DER Net)	<u>97.3</u>	<u>57.2</u>	<u>58.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>21.4</u>	<u>19.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,426.8</u>	<u>4,807.5</u>

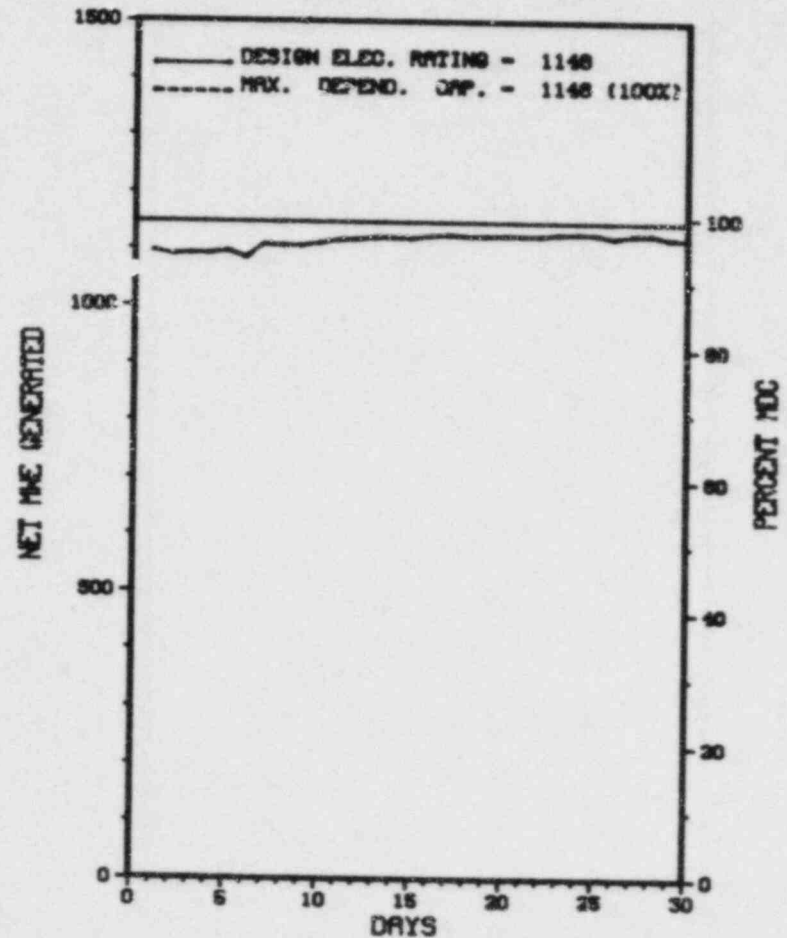
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XX
X SEQUOYAH 1 X
XX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SEQUOYAH 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

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

NONE

* SUMMARY *

SEQUOYAH 1 OPERATED AT NEAR FULL POWER DURING NOVEMBER.

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 NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 5, 1980
DATE ELEC ENER 1ST GENER...JULY 22, 1980
DATE COMMERCIAL OPERATE...JULY 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....E. FORD
LICENSING PROJ MANAGER....C. 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 OCTOBER 9-12 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF INSERVICE INSPECTION (ISI) - REVIEW OF PROGRAM, ISI - REVIEW OF PROCEDURES, ISI - OBSERVATION OF WORK AND WORK ACTIVITIES, IE BULLETIN FOLLOWUP, FOLLOWUP ON INSPECTOR IDENTIFIED ITEM AND UNRESOLVED ITEM, AND INDEPENDENT INSPECTION EFFORT. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 6 - OCTOBER 5 (84-27): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 62 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT TOUR, TECHNICAL SPECIFICATION COMPLIANCE, OPERATIONS PERFORMANCE, HOUSEKEEPING, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, MAINTENANCE ACTIVITIES, QUALITY ASSURANCE PRACTICES, SITE SECURITY, REPORTABLE OCCURRENCES, INDEPENDENT INSPECTION AND FOLLOWUP OF EVENTS. OF THE TWELVE AREAS INSPECTED, NO VIOLATIONS WERE IDENTIFIED IN ELEVEN AREAS. ONE VIOLATION WAS FOUND IN ONE AREA (FAILURE TO ESTABLISH QUALITATIVE ACCEPTANCE CRITERIA IN A CONCRETE DRILLING PROCEDURE).

INSPECTION OCTOBER 22-26 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF LIQUID AND GASEOUS RADIOACTIVE WASTE MANAGEMENT, EFFLUENT MONITORING, ENVIRONMENTAL MONITORING AND REACTOR COOLANT CHEMISTRY. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 18-20 (84-30): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF REFUELING ACTIVITY, SPENT FUEL POOL ACTIVITY, IEB FOLLOW-UP, AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 23-26 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF FIRE

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-328 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: DAVID DUPREE (615) 870-6543

4. Licensed Thermal Power (MWt): 7411

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

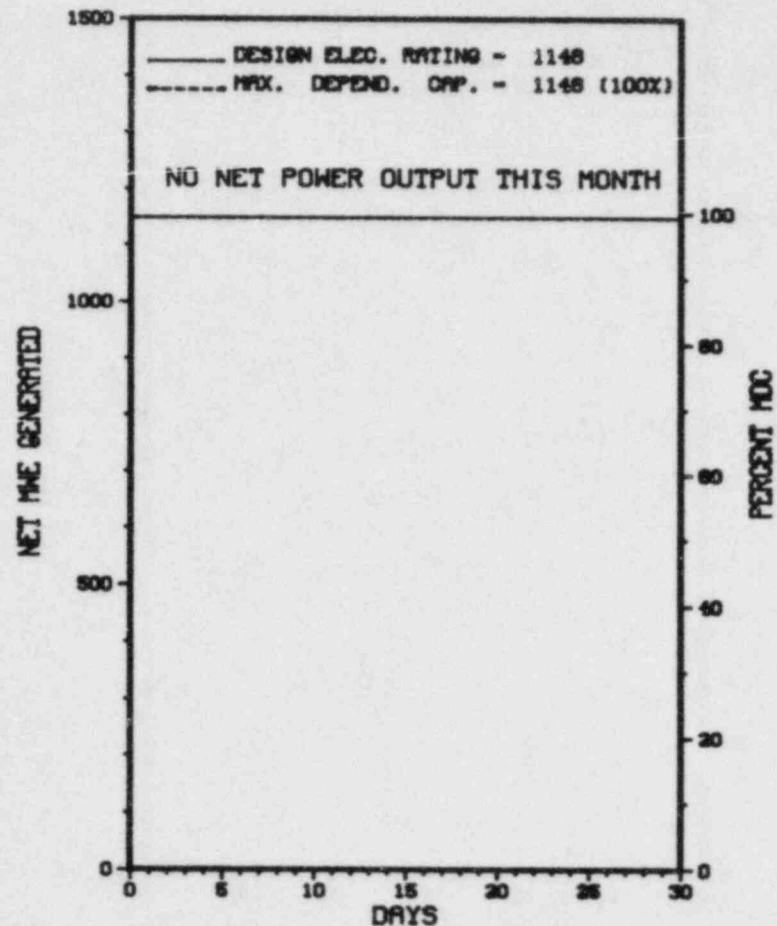
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>21,937.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,124.7</u>	<u>16,485.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,987.9</u>	<u>16,142.3</u>
16. Unit Reserve Shtdwn 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>6,373,682</u>	<u>16,991,427</u>
20. Unit Service Factor	<u>.0</u>	<u>74.5</u>	<u>73.6</u>
21. Unit Avail Factor	<u>.0</u>	<u>74.5</u>	<u>73.6</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>69.1</u>	<u>67.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>69.1</u>	<u>67.5</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: 12/18/84

* SEQUOYAH 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



NOVEMBER 1984

Report Period NOV 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	720.0	C	4		RC	FUELXX	CYCLE 2 REFUELING OUTAGE CONTINUES.

* SUMMARY *

SEQUOYAH 2 REMAINS SHUTDOWN IN A REFUELING/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)

Report Period NOV 1984

REPORTS FROM LICENSEE

XX
* SEQUOYAH 2 *
XX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-019	10/17/84	11/16/84	CENTRIFUGAL CHARGING PUMPS INJECTION FLOW FAILED TO MEET T.S.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-335 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWh): 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>720.0</u>	<u>8,040.0</u>	<u>69,648.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>4,842.5</u>	<u>49,308.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>4,467.3</u>	<u>48,044.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>1,930,083</u>	<u>11,633,007</u>	<u>120,300,945</u>
18. Gross Elec Ener (MWH)	<u>645,960</u>	<u>3,873,700</u>	<u>39,247,575</u>
19. Net Elec Ener (MWH)	<u>613,942</u>	<u>3,649,138</u>	<u>36,978,838</u>
20. Unit Service Factor	<u>100.0</u>	<u>55.6</u>	<u>69.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>55.6</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>103.7</u>	<u>55.2</u>	<u>64.6</u>
23. Unit Cap Factor (DER Net)	<u>102.7</u>	<u>54.7</u>	<u>64.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.2</u>	<u>4.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>294.2</u>	<u>2,398.9</u>

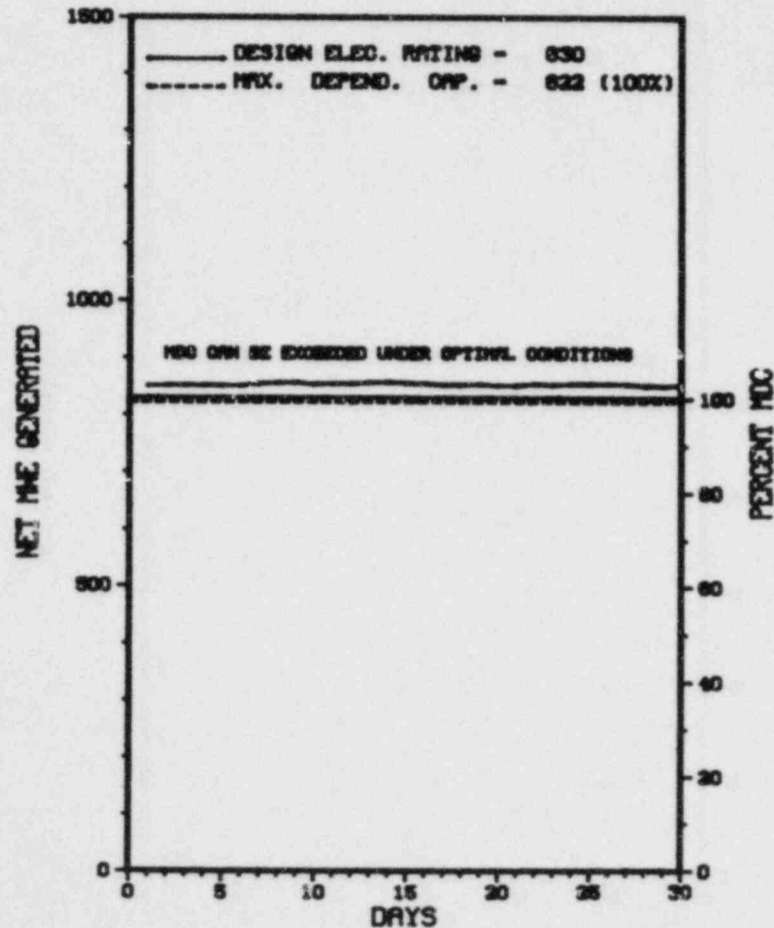
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 1



NOVEMBER 1984

Report Period NOV 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 AT FULL POWER DURING NOVEMBER.

<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
	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)

* ST LUCIE 1 *

FACILITY DATA

Report Period NOV 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

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

INSPECTION SUMMARY

+ INSPECTION AUGUST 13 - SEPTEMBER 7 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 63 INSPECTOR-HOURS ON SITE IN THE AREA OF TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 15-19 (84-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19.25 INSPECTOR-HOURS ON SITE IN THE AREAS OF AUDITS AND SURVEILLANCES, ORGANIZATION AND MANAGEMENT, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL AND PERSONAL DOSIMETRY, INTERNAL EXPOSURE CONTROL, FACILITIES AND EQUIPMENT, SURVEY, MONITORING AND CONTROL OF RADIOACTIVE MATERIAL, ALARA PROGRAM AND SOLID WASTE HANDLING AND DISPOSAL. VIOLATION - FAILURE TO FOLLOW RADIATION WORK PERMIT PROCEDURE.

INSPECTION OCTOBER 15-19 (84-30): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 18 INSPECTOR-HOURS ON SITE (FOUR HOURS ON BACKSHIFT) INSPECTING: MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM, SECURITY ORGANIZATION, SECURITY PROGRAM AUDIT, TESTING AND MAINTENANCE, PHYSICAL BARRIERS - PROTECTED AREA, LIGHTING, COMPENSATORY MEASURES, ACCESS CONTROL - VEHICLES, AND DETECTION AIDS PROTECTED AREA. A VIOLATION WAS IDENTIFIED IN THE AREA OF VEHICLE CONTROL.

INSPECTION OCTOBER 14 - NOVEMBER 17 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 110 RESIDENT INSPECTOR-HOURS AT THE SITE, IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, IE BULLETINS, REFUELING ACTIVITIES, REFUELING STARTUP TESTING AND UNIT 2 LICENSE CONDITIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 5-8 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, INSERVICE INSPECTION, IE BULLETINS AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-389 OPERATING STATUS
 2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
 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>720.0</u>	<u>8,040.0</u>	<u>11,545.0</u>
13. Hours Reactor Critical	<u>192.6</u>	<u>6,860.7</u>	<u>10,087.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>106.0</u>	<u>6,572.4</u>	<u>9,702.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>150,817</u>	<u>16,506,332</u>	<u>24,164,276</u>
18. Gross Elec Ener (MWH)	<u>47,100</u>	<u>5,505,900</u>	<u>8,049,120</u>
19. Net Elec Ener (MWH)	<u>33,843</u>	<u>5,190,793</u>	<u>7,588,379</u>
20. Unit Service Factor	<u>14.7</u>	<u>81.7</u>	<u>84.0</u>
21. Unit Avail Factor	<u>14.7</u>	<u>81.7</u>	<u>84.0</u>
22. Unit Cap Factor (MDC Net)	<u>6.0</u>	<u>82.1</u>	<u>83.6</u>
23. Unit Cap Factor (DER Net)	<u>5.8</u>	<u>80.3</u>	<u>81.8</u>
24. Unit Forced Outage Rate	<u>56.6</u>	<u>5.9</u>	<u>7.5</u>
25. Forced Outage Hours	<u>138.1</u>	<u>410.6</u>	<u>735.2</u>

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

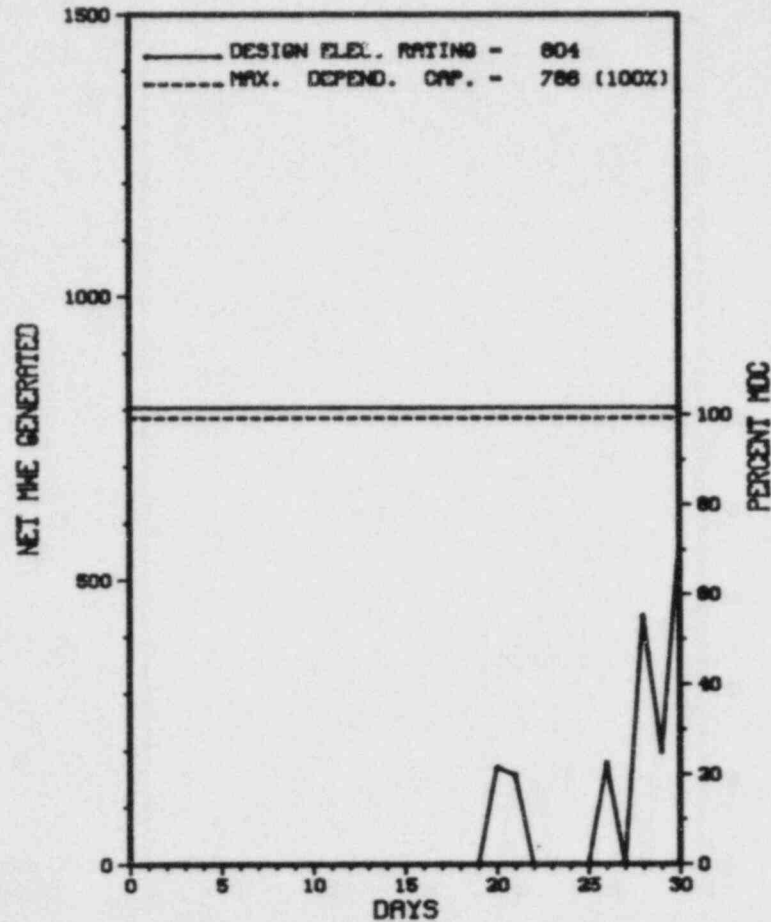
NONE

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

 * ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
11	10/12/84	S	448.9	C	4	RC	FUELXX	UNIT NO. 2 WAS SHUTDOWN FOR REFUELING AND SCHEDULED MAINTENANCE.
12	11/19/84	F	9.1	A	3	XX	XXXXXX	LOSS OF 4160 BUS, CAUSED BY CONDENSATE PUMP MOTOR FAILURE RESULTED IN A REACTOR TRIP.
13	11/21/84	F	115.8	A	3	HA	TURBIN	FAILURE OF NO. 9 TURBINE BEARING CAUSED A GENERATOR FIELD TRIP WHICH RESULTED IN A REACTOR TRIP.
14	11/26/84	S	27.0	A	1			UNIT SHUTDOWN DUE TO RCP LOW OIL LEVEL. THE LEAKAGE WAS FOUND AND REPAIRS WERE MADE.
15	11/29/84	F	13.2	F	3	EB	GENERA	LOSS OF AN INSTRUMENT INVENTER RESULTED IN A REACTOR TRIP.

ST. LUCIE 2 OPERATED WITH 5 OUTAGES DURING NOVEMBER.

* 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)

* ST LUCIE 2 *

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

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM NEAREST POPULATION CTR...12 MI SE OF FT. PIERCE, FLA

UTILITY & CONTRACTOR INFORMATION

UTILITY LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529160 MIAMI, FLORIDA 33152
CONTRACTOR ARCHITECT/ENGINEER.....EBASCO

TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 15, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY COUNCIL.....SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL

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 15 - SEPTEMBER 7 (84-28): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 63 INSPECTOR-HOURS ON SITE IN THE AREA OF TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION SEPTEMBER 16 - OCTOBER 13 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 89 INSPECTOR-HOURS ONSITE IN THE AREAS OF PLANT OPERATION, SURVEILLANCE OBSERVATION, MAINTENANCE OBSERVATION, I.E. BULLETINS, FOLLOWUP OF LICENSE CONDITIONS, FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS, PREPARATION FOR REFUELING AND SPENT FUEL STORAGE RACK MODIFICATIONS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 5-8 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, INSERVICE INSPECTION, IE BULLETINS AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 16-19 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 32 INSPECTOR-HOURS ON SITE IN THE AREAS OF REFUELING ACTIVITY, PREPARATION FOR REFUELING, PROCEDURES, TYPE B AND C TESTING (LRT), FOLLOWUP ON IE BULLETIN 84-05, INDEPENDENT INSPECTION AND PLANT TOUR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 29 - NOVEMBER 9 (84-34): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING: REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; REVIEW OF QUALITY CONTROL RECORDS AND LOGS; AND COMPARISON OF THE

Report Period NOV 1984

REPORTS FROM LICENSEE

* ST LUCIE 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-006	10/14/84	11/13/84	2B AFW PUMP DISCHARGE VALVE INOPERABILITY.

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>8,040.0</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>-6,920</u>	<u>4,071,818</u>	<u>4,071,818</u>
20. Unit Service Factor	<u>.0</u>	<u>63.4</u>	<u>63.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>63.4</u>	<u>63.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>57.1</u>	<u>57.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>56.3</u>	<u>56.3</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>

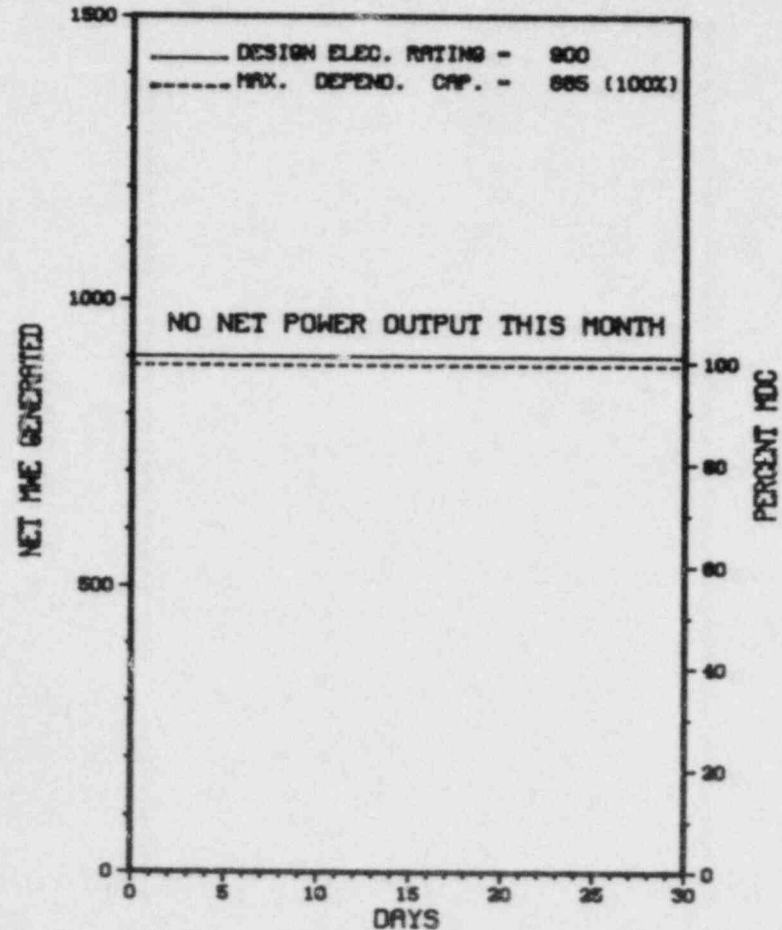
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

27. If Currently Shutdown Estimated Startup Date: 12/14/84

 * S U M M E R 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 S U M M E R 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* SUMMER 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
11	09/28/84	S	20.0	C	4			REFUELING OUTAGE CONTINUES.

* SUMMARY *

SUMMER 1 REMAINS SHUTDOWN IN A CONTINUING REFUELING/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)

* SUMMER 1 *

FACILITY DATA

Report Period NOV 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 OCTOBER 1-31 (84-30): THIS ROUTINE RESIDENT INSPECTION INVOLVED 214 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT TOURS; OPERATIONAL SAFETY VERIFICATIONS; MONTHLY SURVEILLANCE OBSERVATIONS; MONTHLY MAINTENANCE OBSERVATIONS; REVIEW OF SPENT FUEL POOL MODIFICATION; PREPARATIONS FOR REFUELING, INSPECTOR FOLLOWUP ITEMS; AND IMPLEMENTATION OF FACILITY LICENSE COMMITMENTS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT THE LOCKED VALVE CONTROL PROGRAM.

INSPECTION OCTOBER 29 - NOVEMBER 2 (84-31): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 36 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, INSERVICE TESTING OF VALVES, INSERVICE INSPECTION, AND IE BULLETIN 79-13. OF THE FOUR AREAS INSPECTED, NO VIOLATION OR DEVIATIONS WERE IDENTIFIED IN THREE AREAS; ONE APPARENT VIOLATION WAS FOUND IN ONE AREA (PROCEDURES DO NOT ASSURE VALVE REMOTE POSITION INDICATOR CHECKS AT THE FREQUENCY REQUIRED).

INSPECTION OCTOBER 6-11 (84-32): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 40 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF WITNESSING THE CONTAINMENT INTEGRATED LEAK RATE TEST AND REVIEW OF THE ASSOCIATED DOCUMENTATION. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 31 - NOVEMBER 2 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 22 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREPARATION FOR REFUELING, IEB-FOLLOWUP AND INDEPENDENT INSPECTION EFFORT. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-280 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MMt): 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

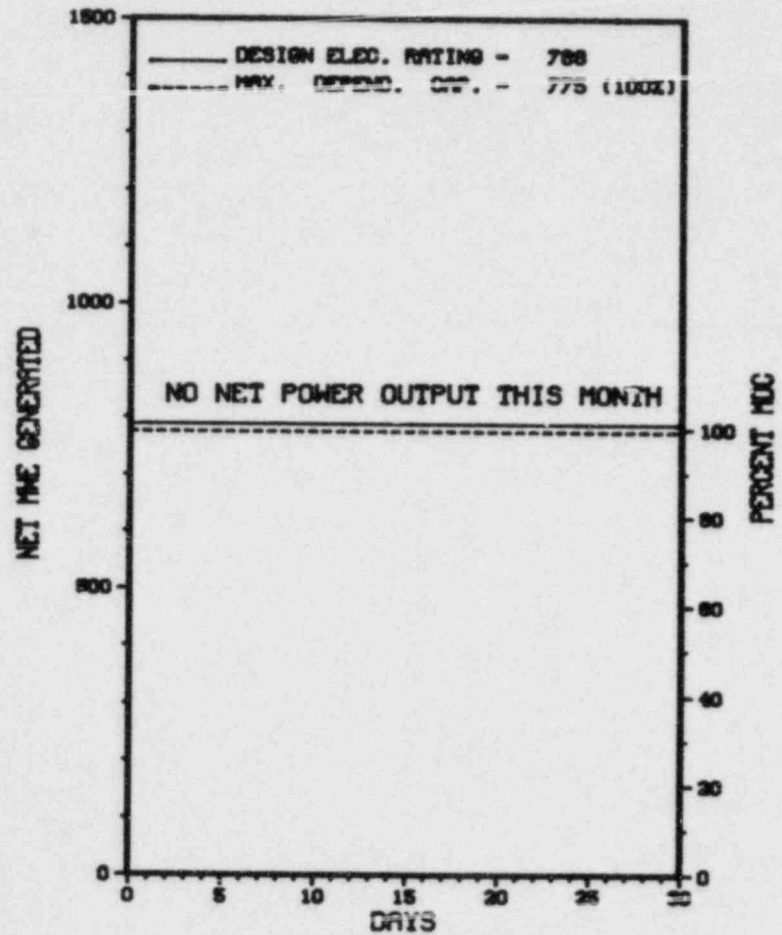
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>104,688.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,173.3</u>	<u>64,272.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>9.3</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,100.3</u>	<u>62,967.1</u>
16. Unit Reserve 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>63.4</u>	<u>60.1</u>
21. Unit Avail Factor	<u>.0</u>	<u>63.4</u>	<u>63.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.4</u>	<u>54.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>52.5</u>	<u>53.8</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: 12/15/84

* SURRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SURRY 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-9	09/26/84	S	720.0	A	4				REFUELING OUTAGE CONTINUES.

* SUMMARY *

SURRY 1 REMAINS SHUTDOWN IN A REFUELING OUTAGE.

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)

* SURRY 1 *

FACILITY DATA

Report Period NOV 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 SEPTEMBER 10-14 (84-25): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 65 INSPECTOR-HOURS ON SITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ATWS EVENTS. AREAS INSPECTED INCLUDED POST TRIP REVIEW, POST MAINTENANCE TESTING, EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, REACTOR TRIP SYSTEM RELIABILITY, AND AUDITS OF GL 83-28 ACTIVITIES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

1. Docket: 50-281 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>101,568.0</u>
13. Hours Reactor Critical	<u>261.9</u>	<u>6,716.7</u>	<u>65,287.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>23.8</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>250.9</u>	<u>6,642.1</u>	<u>64,218.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>576,179</u>	<u>15,776,628</u>	<u>150,492,500</u>
18. Gross Elec Ener (MWH)	<u>186,795</u>	<u>5,019,725</u>	<u>48,809,584</u>
19. Net Elec Ener (MWH)	<u>177,748</u>	<u>4,758,085</u>	<u>46,265,145</u>
20. Unit Service Factor	<u>34.8</u>	<u>82.6</u>	<u>63.2</u>
21. Unit Avail Factor	<u>34.8</u>	<u>82.6</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>31.9</u>	<u>76.4</u>	<u>58.8</u>
23. Unit Cap Factor (DER Net)	<u>31.3</u>	<u>75.1</u>	<u>57.8</u>
24. Unit Forced Outage Rate	<u>65.2</u>	<u>13.6</u>	<u>14.1</u>
25. Forced Outage Hours	<u>469.1</u>	<u>1,041.4</u>	<u>7,868.0</u>

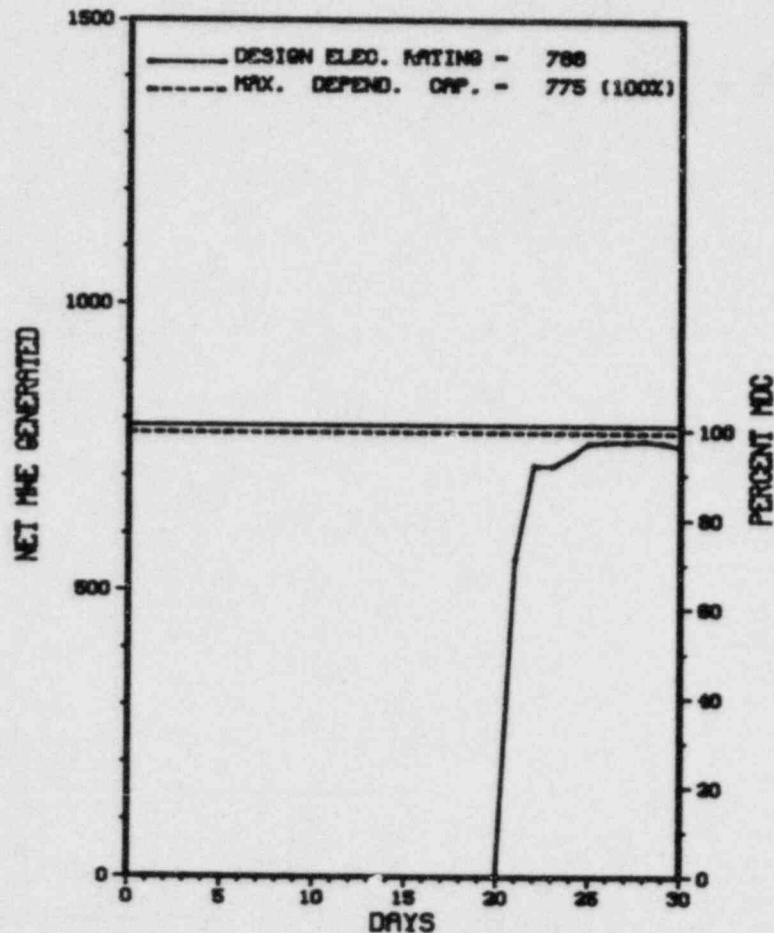
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SNUBBER/MAINTENANCE: 10-18-85 - 10 DAYS,

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

* SURRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * SURRY 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
84-25	10/29/84	F	469.1	G	4			REACTOR TRIP, WHILE TESTING "D" TRANSFER BUS AN AUTO LOAD SHEDDING SIGNAL WAS INITIATED WHEN BREAKER 25A2 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. TESTING AND OPERATING PROCEDURES ARE TO BE CHANGED TO INSURE THAT AUTO LOAD SHEDDING WILL BE DEFEATED PRIOR TO ANY TESTING OF RSS BUSES.

 * SUMMARY *

 SURRY 2 RETURNED ONLINE NOVEMBER 21ST 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)

* SURRY 2 *

FACILITY DATA

Report Period NOV 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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 10-14 (84-25): THIS SPECIAL, ANNOUNCED INSPECTION INVOLVED 65 INSPECTOR-HOURS ON SITE CONCERNING LICENSEE RESPONSE TO GENERIC LETTER 83-28, REQUIRED ACTIONS BASED ON GENERIC IMPLICATIONS OF SALEM ATWS EVENTS. AREAS INSPECTED INCLUDED POST TRIP REVIEW, POST MAINTENANCE TESTING, EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, REACTOR TRIP SYSTEM RELIABILITY, AND AUDITS OF GL 83-28 ACTIVITIES. OF THE SIX AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:
NONE.

1. Docket: 50-387 OPERATING STATUS
 2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
 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>720.0</u>	<u>8,040.0</u>	<u>13,009.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,922.2</u>	<u>9,767.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>275.2</u>	<u>431.9</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,765.5</u>	<u>9,533.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,307,003</u>	<u>17,473,141</u>	<u>28,722,912</u>
18. Gross Elec Ener (MWH)	<u>760,610</u>	<u>5,699,700</u>	<u>9,366,250</u>
19. Net Elec Ener (MWH)	<u>733,039</u>	<u>5,487,095</u>	<u>9,023,468</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.7</u>	<u>73.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.7</u>	<u>73.3</u>
22. Unit Cap Factor (MDC Net)	<u>98.7</u>	<u>66.1</u>	<u>67.2</u>
23. Unit Cap Factor (DER Net)	<u>95.6</u>	<u>64.1</u>	<u>65.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>15.0</u>	<u>13.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,019.0</u>	<u>1,527.5</u>

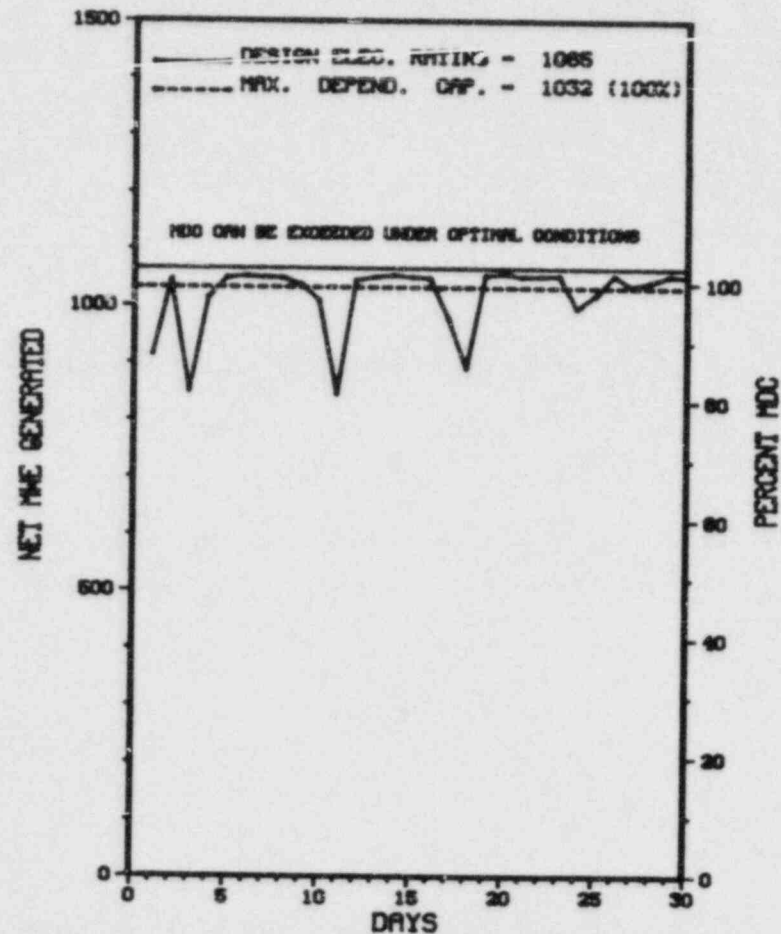
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

REFUELING OUTAGE; FEBRUARY 9, 1985; 15 WEEKS.

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 SUSQUEHANNA 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 1 *

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

NONE

* SUMMARY *

SUSQUEHANNA 1 OPERATED ROUTINELY DURING NOVEMBER.

<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)

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period NOV 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....M. CAMPAGNONE
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 OPERATING STATUS
 2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0
 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>720.0</u>	<u>3,612.0</u>	<u>3,612.0</u>
13. Hours Reactor Critical	<u>.0</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>.0</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>0</u>	<u>3,227,193</u>	<u>3,227,193</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>989,040</u>	<u>989,040</u>
19. Net Elec Ener (MWH)	<u>0</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>.0</u>	<u>626.0</u>	<u>626.0</u>

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

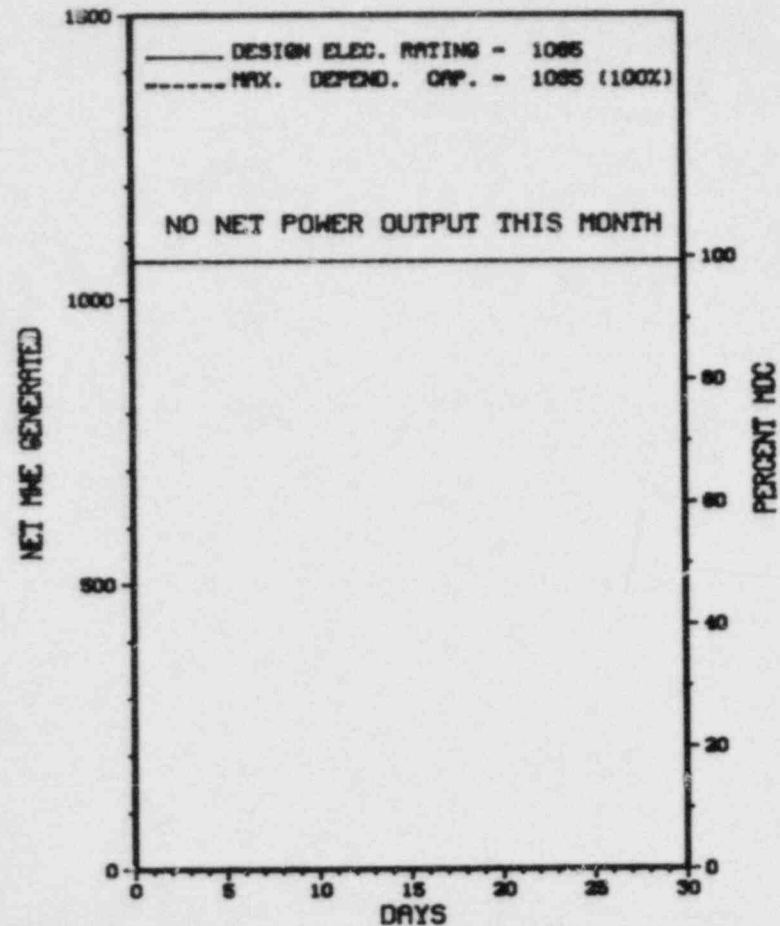
NONE

27. If Currently Shutdown Estimated Startup Date: 12/26/84

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
16	10/27/84	S	720.0	B	4			REACTOR SCRAM AS PART OF SCHEDULED STARTUP TESTING. PRE-COMMERCIAL OUTAGE COMMENCED.

* SUMMARY *

SUSQUEHANNA 2 REMAINS SHUTDOWN IN A TESTING 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period NOV 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.....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
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: 50-289 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (Mwt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any:
NONE

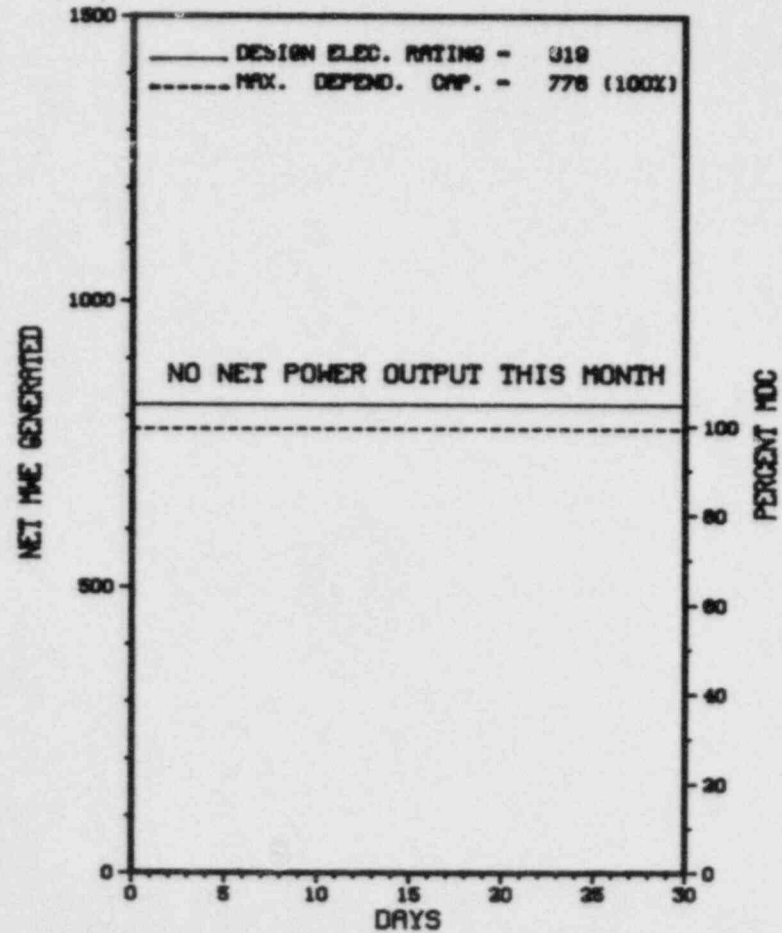
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>89,833.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>31,731.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>839.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>31,180.9</u>
16. Unit Reserve Shtdwn Hrs	<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>34.7</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>34.7</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>33.9*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>32.4</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>62.2</u>
25. Forced Outage Hours	<u>720.0</u>	<u>8,040.0</u>	<u>51,165.5</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



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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	720.0	D	4		ZZ	ZZZZZZ	REGULATORY RESTRAINT ORDER CONTINUES.

* SUMMARY *

THREE MILE ISLAND 1 REMAINS SHUTDOWN FOLLOWING THE ACCIDENT AT UNIT 2.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	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 NOV 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):

Report Period NOV 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)

* T H R E E M I L E I S L A N D 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.			

=====

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* TROJAN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-15	11/16/84	F	0.0	A	5		HA	CRTBRK	POWER REDUCED FROM 100% TO 80% DURING MAIN TURBINE CONTROL VALVE TESTING. ONE VALVE FAILED TO REOPEN DUE TO MERCURY SWITCH FAILURE. SWITCH WAS REPAIRED AND POWER RETURNED TO 100%.

* TROJAN OPERATED AT NEAR FULL POWER IN NOVEMBER.
* SUMMARY *

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		

* TROJAN *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....OREGON
COUNTY.....COLUMBIA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...32 MI N OF
PORTLAND, ORE
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 15, 1975
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1975
DATE COMMERCIAL OPERATE...MAY 20, 1976
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...COOLING TOWER
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PORTLAND GENERAL ELECTRIC
CORPORATE ADDRESS.....121 S.W. SALMON STREET
PORTLAND, OREGON 97204
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....S. RICHARDS
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 SEPTEMBER 10 - NOVEMBER 2, 1984 (REPORT NO. 50-344/84-26) AREAS INSPECTED: ROUTINE INSPECTION OF OPERATIONAL SAFETY VERIFICATION, CORRECTIVE ACTION, MAINTENANCE, SURVEILLANCE, CYCLE 7 STARTUP PHYSICS TESTING, AND IMPLEMENTATION OF THE FIRE PROTECTION PROGRAM. THE INSPECTION INVOLVED 294 INSPECTOR-HOURS ONSITE BY THE NRC RESIDENT AND REGIONAL INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 15-19, 1984 (REPORT NO. 50-344/84-27) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 5-9, 1984 (REPORT NO. 50-344/84-30) AREAS INSPECTED: UNANNOUNCED INSPECTION BY A REGIONAL INSPECTOR OF THE IMPLEMENTATION OF THE TROJAN NUCLEAR PLANT FIRE PROTECTION PROGRAM AND A REVIEW OF LICENSEE FOLLOWUP OF QA AUDIT FINDINGS. THE INSPECTION INVOLVED 46 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: OF THE AREAS EXAMINED, ONE VIOLATION IN THE AREA OF FIRE BRIGADE TRAINING WAS IDENTIFIED. ONE UNRESOLVED ITEM DISCOVERED IN THE FOLLOWUP OF AUDIT FINDINGS WAS IDENTIFIED.

+ INSPECTION ON OCTOBER 1-5, 1984 (REPORT NO. 50-344/84-31) REPORT CANCELLED.

+ INSPECTION ON NOVEMBER 5-30, 1984 (REPORT NO. 50-344/84-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

1. Docket: 50-250 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

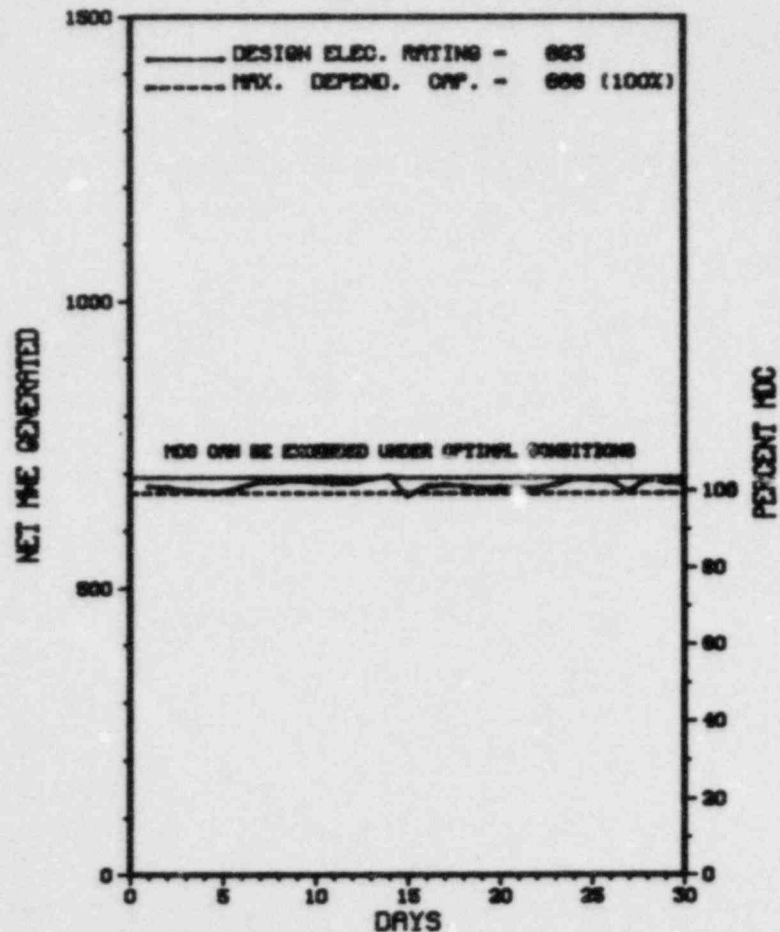
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>105,105.6</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>7,078.3</u>	<u>75,103.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,968.8</u>	<u>72,891.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,577,093</u>	<u>15,008,554</u>	<u>150,497,146</u>
18. Gross Elec Ener (MWH)	<u>513,975</u>	<u>4,837,970</u>	<u>48,048,535</u>
19. Net Elec Ener (MWH)	<u>489,823</u>	<u>4,590,612</u>	<u>45,503,629</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.7</u>	<u>69.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.7</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>85.7</u>	<u>66.8*</u>
23. Unit Cap Factor (DER Net)	<u>98.2</u>	<u>82.4</u>	<u>62.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.7</u>	<u>5.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>502.8</u>	<u>3,682.9</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



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 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 AT FULL POWER IN NOVEMBER.

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 NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 20, 1972
DATE ELEC ENER 1ST GENER...NOVEMBER 2, 1972
DATE COMMERCIAL OPERATE...DECEMBER 14, 1972
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEBBLES
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 AUGUST 13 - SEPTEMBER 7 (84-25): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 63 INSPECTOR-HOURS ON SITE IN THE AREA OF TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. VIOLATION: FAILURE TO FOLLOW PROCEDURE SPECIFYING REQUIRED ON-THE-JOB TRAINING REQUIREMENTS FOR THE SHIFT TECHNICAL ADVISORS. VIOLATION: FAILURE TO PROVIDE ADEQUATE GENERAL EMPLOYEE TRAINING TO BLUE BADGED EMPLOYEES. DEVIATION: FAILURE TO MEET COMMITMENTS FOR QUALIFICATION OF SHIFT TECHNICAL ADVISORS PRIOR TO RECEIVING SIMULATOR TRAINING.

INSPECTION OCTOBER 22-26 (84-32): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 33 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; REVIEW OF QUALITY CONTROL 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.

INSPECTION SEPTEMBER 23 - OCTOBER 20 (84-34): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 139 INSPECTOR-HOURS AT THE SITE, INCLUDING 42 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE SEVEN AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; FOUR VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO ESTABLISH MAINTENANCE PROCEDURES; FAILURE TO PROPERLY IMPLEMENT A TEMPORARY PROCEDURE CHANGE; FAILURE TO IMPLEMENT MAINTENANCE PROCEDURES; AND FAILURE TO ESTABLISH ADEQUATE INSTRUCTIONS OR DRAWINGS).

INSPECTION NOVEMBER 6-8 (84-36): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREA OF AN

Report Period NOV 1984

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

XX
* TURKEY POINT 3 *
XX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
84-026	10/09/84	11/08/84	A TURBINE RUNBACK TO 70% REACTOR POWER OCCURRED.
84-027	10/02/84	11/01/84	UNIT 4-UVTA COIL TAPE DAMAGED/CRACKED INSULATING LINK/MANUAL CLOSING MECHANISM BRACKET (CRACKED BRAZE)/MANUAL CLOSING MECHANISM, FAILED BEARING.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-251 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MWt): 2203

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

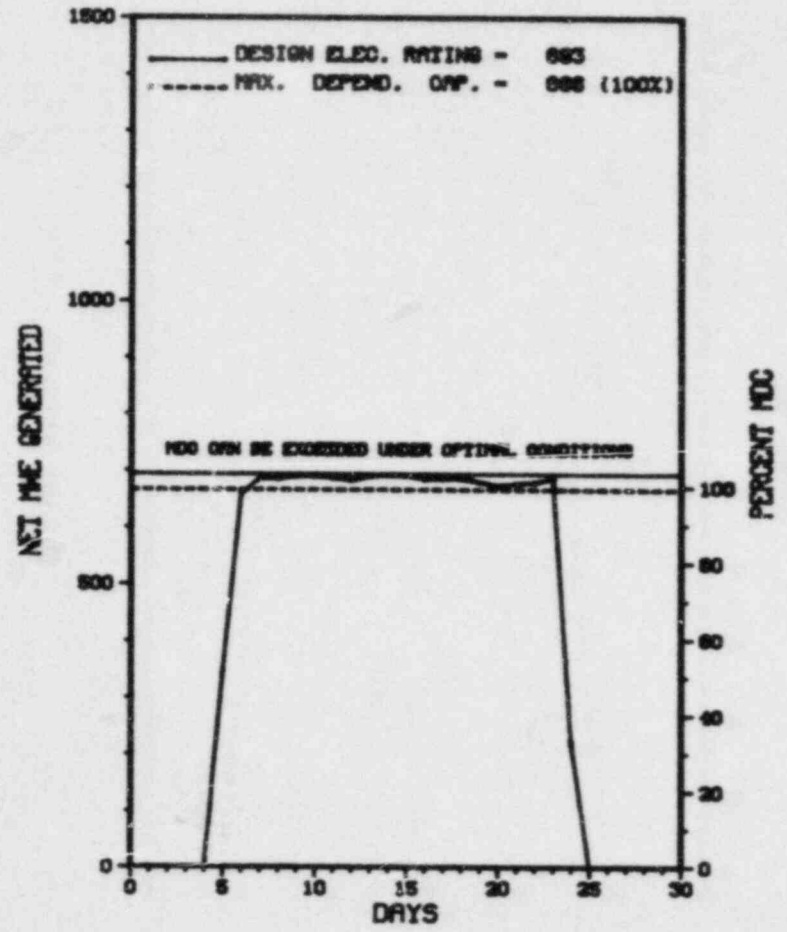
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>98,833.0</u>
13. Hours Reactor Critical	<u>558.8</u>	<u>4,410.7</u>	<u>69,049.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>460.6</u>	<u>4,115.6</u>	<u>66,584.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>992,153</u>	<u>8,933,926</u>	<u>140,689,667</u>
18. Gross Elec Ener (MWH)	<u>324,100</u>	<u>2,795,040</u>	<u>44,716,403</u>
19. Net Elec Ener (MWH)	<u>305,537</u>	<u>2,626,324</u>	<u>42,333,432</u>
20. Unit Service Factor	<u>64.0</u>	<u>51.2</u>	<u>67.4</u>
21. Unit Avail Factor	<u>64.0</u>	<u>51.2</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>63.7</u>	<u>49.0</u>	<u>66.0*</u>
23. Unit Cap Factor (DER Net)	<u>61.2</u>	<u>47.1</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>36.0</u>	<u>25.6</u>	<u>6.1</u>
25. Forced Outage Hours	<u>259.4</u>	<u>1,415.7</u>	<u>3,957.5</u>

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

27. If Currently Shutdown Estimated Startup Date: 12/04/84

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
TURKEY POINT 4



NOVEMBER 1984

* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
24	10/18/84	F	99.4	A	4		CB	PUMPXX	RCP SEAL REPLACED. OUTAGE CONTINUED FOR MSIV MODIFICATIONS TO ALLOW VALVE TO MEET CLOSURE TIMES AND OPERABILITY REQUIREMENTS.
25	11/24/84	F	160.0	A	1		CB	CKTBRK	REACTOR TRIP ON LOW FLOW RESULTING FROM FAILED RCP BREAKER. BREAKER REPAIRED.

 * SUMMARY *

 TURKEY POINT 4 OPERATED WITH 2 OUTAGES DUE TO EQUIPMENT FAILURE DURING NOVEMBER.

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
* TURKEY POINT 4 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....DADE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
MIAMI, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 11, 1973
DATE ELEC ENER 1ST GENER...JUNE 21, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 7, 1973
CONDENSER COOLING METHOD...CLOSED CANAL
CONDENSER COOLING WATER...CLOSED CYCLE CANAL
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 013100
MIAMI, FLORIDA 33174

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....T. PEEBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....5C-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 AUGUST 13 - SEPTEMBER 7 (84-26): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 63 INSPECTOR-HOURS ON SITE IN THE AREA OF TRAINING ASSESSMENT. WITHIN THE AREAS INSPECTED, TWO VIOLATIONS AND ONE DEVIATION WERE IDENTIFIED. VIOLATION: FAILURE TO FOLLOW PROCEDURE SPECIFYING REQUIRED ON-THE-JOB TRAINING REQUIREMENTS FOR THE SHIFT TECHNICAL ADVISORS. VIOLATION: FAILURE TO PROVIDE ADEQUATE GENERAL EMPLOYEE TRAINING TO BLUE BADGED EMPLOYEES. DEVIATION: FAILURE TO MEET COMMITMENTS FOR QUALIFICATION OF SHIFT TECHNICAL ADVISORS PRIOR TO RECEIVING SIMULATOR TRAINING.

INSPECTION OCTOBER 22-26 (84-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 33 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF QUALITY CONTROL AND CONFIRMATORY MEASUREMENTS INCLUDING REVIEW OF THE LABORATORY QUALITY CONTROL PROGRAM; REVIEW OF CHEMICAL AND RADIOCHEMICAL PROCEDURES; REVIEW OF QUALITY CONTROL 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.

INSPECTION SEPTEMBER 23 - OCTOBER 20 (84-35): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 138 INSPECTOR-HOURS AT THE SITE, INCLUDING 42 HOURS OF BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, ANNUAL AND MONTHLY MAINTENANCE, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, PLANT EVENTS, AND INDEPENDENT INSPECTION. OF THE SEVEN AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN FIVE AREAS; FOUR VIOLATIONS WERE IDENTIFIED IN TWO AREAS (FAILURE TO ESTABLISH MAINTENANCE PROCEDURES; FAILURE TO PROPERLY IMPLEMENT A TEMPORARY PROCEDURE CHANGE; FAILURE TO IMPLEMENT MAINTENANCE PROCEDURES; AND FAILURE TO ESTABLISH ADEQUATE INSTRUCTIONS OR DRAWINGS).

INSPECTION NOVEMBER 6-8 (84-37): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREA OF AN

INSPECTION SUMMARY

EMERGENCY EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V REQUIRES ACTIVITIES AFFECTING QUALITY TO BE PRESCRIBED BY DOCUMENTED PROCEDURES AND TO BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. TURKEY POINT ADMINISTRATIVE PROCEDURE 0306 REQUIRES EMPLOYEES ENTERING THE PLANT PROTECTED AREA TO ATTEND THE GENERAL EMPLOYEE ORIENTATION CONSISTING OF A SECURITY ORIENTATION, QA/QC PRESENTATION, GENERAL PLANT ORIENTATION, EMERGENCY ALARMS AND RESPONSES AND LISTENING TO AN AUDIO TAPE IDENTIFYING PLANT EMERGENCY ALARMS. CONTRARY TO THE ABOVE, EMPLOYEES RECEIVING BLUE BADGES ARE ONLY GIVEN A GENERAL EMPLOYEE HANDBOOK AND REQUIRED TO LISTEN TO AN AUDIO TAPE IDENTIFYING EMERGENCY ALARMS AND RESPONSES. 10 CFR 50, APPENDIX B, CRITERION V REQUIRES ACTIVITIES AFFECTING QUALITY TO BE PRESCRIBED BY DOCUMENTED PROCEDURES AND TO BE ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. TURKEY POINT ADMINISTRATIVE PROCEDURE 0307 REQUIRES 72 HOURS OF ON-THE-JOB TRAINING PRIOR TO QUALIFICATION FOR AND ASSUMPTION OF SHIFT TECHNICAL ADVISOR ON-SHIFT DUTIES. CONTRARY TO THE ABOVE, THE PAST TWO SHIFT TECHNICAL ADVISOR TRAINING CYCLES ALLOTTED ONLY 40 HOURS AND 32 HOURS, RESPECTIVELY, TO ON-THE-JOB TRAINING PRIOR TO QUALIFICATION FOR AND ASSUMPTION OF SHIFT TECHNICAL ADVISOR ON-SHIFT DUTIES. (8426 4)

TECHNICAL SPECIFICATION 6.8 REQUIRES THAT WRITTEN PROCEDURES AND ADMINISTRATIVE POLICIES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED THAT MEET OR EXCEED THE REQUIREMENTS AND RECOMMENDATIONS OF APPENDIX A OF REGULATORY GUIDE 1.33. REGULATORY GUIDE 1.33 RECOMMENDS THAT THE LICENSEE HAVE A RADIATION WORK PERMIT PROCEDURE. PLANT PROCEDURE HP-1, RADIATION WORK PERMIT, APRIL 2, 1984, PARAGRAPH 4.1.1 REQUIRES THE LICENSEE TO HAVE A SPECIFIC RADIATION WORK PERMIT FOR AREAS POSTED "RWP REQUIRED FOR ENTRY." CONTRARY TO THE ABOVE, BETWEEN AUGUST 6-22, 1984, BAGS OF RADIOACTIVE MATERIAL WERE OPENED, MATERIAL SORTED, AND TOOLS AND EQUIPMENT DECONTAMINATED IN THE DRY STORAGE WAREHOUSE WITHOUT AN APPROVED SPECIFIC RADIATION WORK PERMIT TO PERFORM THESE TASKS. TECHNICAL SPECIFICATION 4.7.1 REQUIRES THAT A CARBON ANALYSIS FOR EACH EMERGENCY CONTAINMENT FILTER PLENUM BE PERFORMED AT LEAST EVERY 18 MONTHS OR AFTER 720 HOURS OF SYSTEM OPERATION AND THAT THE ANALYSIS VERIFY GREATER THAN 99.9% REMOVAL EFFICIENCY FOR ELEMENTAL IODINE WITHIN 45 DAYS AFTER REMOVAL OF THE SAMPLE. CONTRARY TO THE ABOVE, CARBON SAMPLES REMOVED ON JULY 20, 1982 AND MARCH 24, 1984, WERE NOT ANALYZED WITHIN 45 DAYS OF REMOVAL. (8428 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

SHUTDOWN FOR MAINTENANCE.

LAST IE SITE INSPECTION DATE: NOVEMBER 6-8, 1984 +

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-271 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>106,898.8</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>6,371.2</u>	<u>86,069.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>6,193.4</u>	<u>83,685.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,138,904</u>	<u>9,234,581</u>	<u>121,395,253</u>
18. Gross Elec Ener (MWH)	<u>386,720</u>	<u>3,101,598</u>	<u>40,394,676</u>
19. Net Elec Ener (MWH)	<u>370,617</u>	<u>2,956,609</u>	<u>38,321,625</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.0</u>	<u>78.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.0</u>	<u>78.3</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>73.0</u>	<u>71.1</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>71.5</u>	<u>69.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.4</u>	<u>7.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>555.0</u>	<u>5,446.2</u>

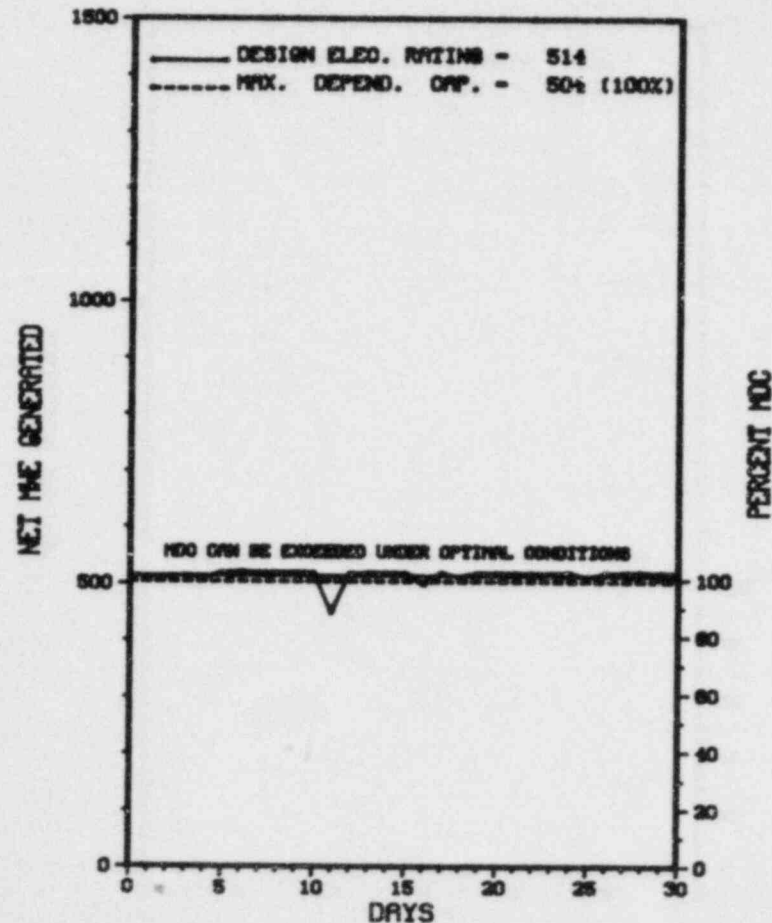
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* VERMONT YANKEE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-20	11/11/84	F	0.0	A	5		CB	ELECON	POWER REDUCTION CAUSED BY THE LOSS OF THE 'B' REACTOR RECIRC PUMP M-G SET DUE TO FAILED TACHOMETER GENERATOR. THE TACH. GENERATOR WAS REPLACED.
84-21	11/16/84	F	0.0	G	5		CB	ZZZZZ	POWER REDUCTION CAUSED BY THE LOSS OF THE 'A' REACTOR RECIRC PUMP M-G SET DUE TO AN OPERATOR ERROR THAT TRIPPED MOTOR CONTROL CENTER 6A FEEDER BREAKER. THE BREAKER WAS RESET.

 * SUMMARY *

 VERMONT YANKEE OPERATED WITH 2 REDUCTIONS IN NOVEMBER.

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)

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period NOV 1984

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....VERMONT

COUNTY.....WINDHAM

DIST AND DIRECTION FROM
NEAREST POPULATION CTR...5 MI S OF
BRATTLEBORO, VT

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...MARCH 24, 1972

DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1972

DATE COMMERCIAL OPERATE...NOVEMBER 30, 1972

CONDENSER COOLING METHOD...COOLING TOWER

CONDENSER COOLING WATER...CONNECTICUT RIVER

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

UTILITY
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

TECH SPEC LIMITING CONDITION FOR OPERATION 3.7.C.1.D REQUIRES THAT SECONDARY CONTAINMENT INTEGRITY BE MAINTAINED WHENEVER IRRADIATED FUEL IS BEING MOVED IN THE REACTOR BLDG. CONTRARY TO ABOVE, ON 7/17/84, FROM ABOUT 12 MIDNIGHT UNTIL ABOUT 3:30 A.M., SECONDARY CONTAINMENT INTEGRITY WAS NOT MAINTAINED WHILE 3 IRRADIATED FUEL BUNDLES WERE MOVED IN THE SPENT FUEL POOL WITHIN THE REACTOR BLDG. SECONDARY CONTAINMENT WAS DEGRADED BECAUSE OF AN OPENING IN THE REACTOR BLDG CREATED WHEN PLANT WORKERS OPENED THE COOLING WATER SUPPLY PIPING TO REACTOR BLDG AIR CONDITIONER (RBAC) - 1B DURING WORK UNDER MECHANICAL BYPASS REQUEST 84-14. THE OPEN SERVICE WATER PIPING PROVIDED A FLOW PATH FROM THE REFUELING ZONE AIR SPACE THROUGH THE SERVICE WATER SYSTEM RETURN PIPING TO THE MAIN CONDENSER DISCHARGE BLOCK AND THEREAFTER TO THE CIRCULATING WATER OUTFALL AT THE STATION DISCHARGE STRUCTURE. TECH SPEC 6.5.1 REQUIRES THAT WRITTEN PROCEDURES AND INSTRUCTIONS GOVERNING NUCLEAR SAFETY BE ESTABLISHED, IMPLEMENTED AND FOLLOWED. PROCEDURE AP 0025, PLANT EQUIPMENT CONTROL, REV 4, WRITTEN PURSUANT TO RQMT, REQUIRES THAT A WORK PARTY LEADER OBTAIN PERMISSION FROM THE SHIFT SUPERVISOR TO COMMENCE A WORK ACTIVITY AFTER HE WAS DESCRIBED HOW HE INTENDS TO PERFORM AN ASSIGNED TASK AND HAS OBTAINED CONCURRENCE AS TO WHETHER SYSTEM TAGS ARE REQUIRED TO PERFORM THE WORK. CONTRARY TO THE ABOVE, ON 7/16/84, PLANT WORKERS BEGAN WORK UNDER MECHANICAL BYPASS REQUEST 84-14 TO PROVIDE ALTERNATE COOLING TO RBAC-1B WITHOUT PERMISSION FROM THE SHIFT SUPERVISOR AND WITHOUT OBTAINING SYSTEM TAGS FROM OPERATIONS PERSONNEL. THE FAILURE TO ESTABLISH A PROPER TAGGING BOUNDARY FOR

1. Docket: 50-397 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>4,491.2</u>	<u>4,491.2</u>
13. Hours Reactor Critical	<u>415.6</u>	<u>2,566.5</u>	<u>2,566.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>399.7</u>	<u>1,993.9</u>	<u>1,993.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,100,500</u>	<u>3,773,492</u>	<u>3,773,492</u>
18. Gross Elec Ener (MWH)	<u>357,910</u>	<u>1,117,250</u>	<u>1,117,250</u>
19. Net Elec Ener (MWH)	<u>341,016</u>	<u>1,045,118</u>	<u>1,045,118</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>70.1</u>	<u>2,016.0</u>	<u>2,016.0</u>

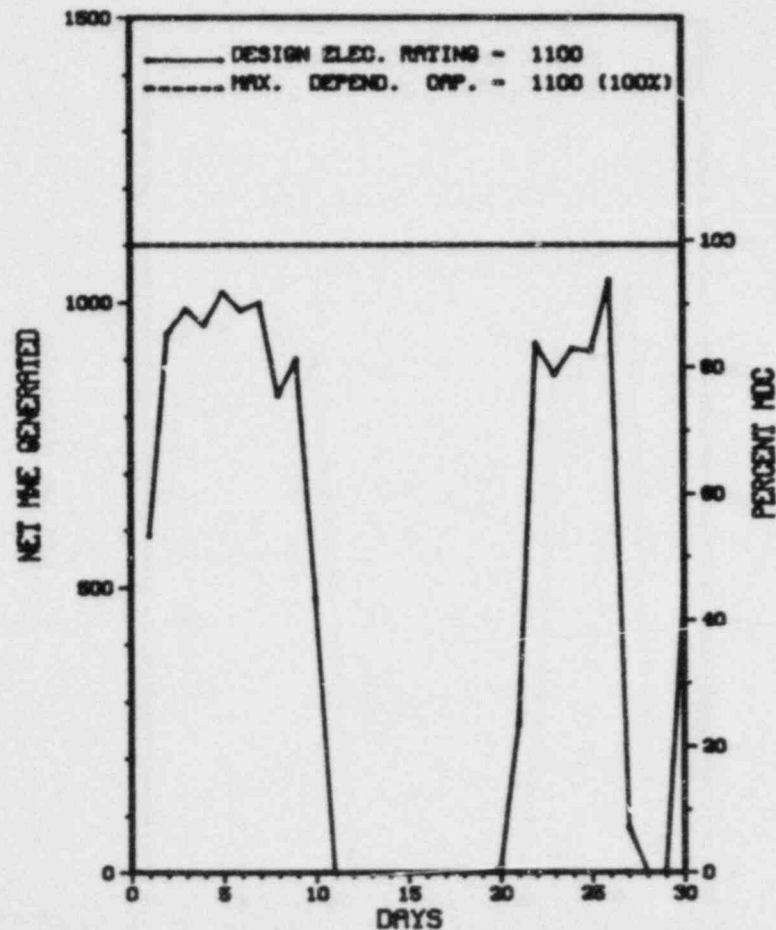
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 WASHINGTON NUCLEAR 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-30	11/10/84	S	249.7	B	3		CC	VALVEX	PLANT WAS SHUTDOWN BY A REACTOR SCRAM, INITIATED BY MAIN STEAM ISOLATION VALVE CLOSURE TEST, AS PART OF THE TEST AND ASCENSION PROGRAM. THE TEST WAS SUCCESSFUL AND THE PLANT REMAINED DOWN FOR A SCHEDULED MAINTENANCE OUTAGE.
84-31	11/21/84	S	0.5	B	1		HE	VALVEX	TRIPPED TURBINE GENERATOR AT 24% POWER TO TEST BY PASS VALVES CAPACITY AS PART OF THE POWER ASCENSION TEST PROGRAM. TEST WAS SATISFACTORY AND TURBINE GENERATOR WAS RETURNED TO SERVICE.
84-32	11/27/84	F	70.1	A	3		HH	HTEXCH	REACTOR SCRAM AT 40% POWER LEVEL DUE TO LOW CONDENSER VACUUM CAUSED BY A FW HEATER TUBE LEAK AND LEAKING FW HEATER SHELL SIDE RELIEF VALVE. THE TUBE LEAK WAS REPAIRED AND MODIFICATIONS WERE MADE TO RELIEF VALVE AND PLANT WAS RETURNED TO SERVICE.

 * SUMMARY *

 WNP-2 CONTINUED IN THE TEST AND POWER ASCENSION PROGRAM DURING THE ENTIRE 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)
	F-Admin		
	G-Oper Error		
	H-Other		

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 11 - NOVEMBER 28, 1984 (REPORT NO. 50-397/84-25) AREAS INSPECTED: INSPECTION CONSISTED OF A REVIEW OF THE LICENSEE'S ENGINEERING EVALUATION OF THERMAL TRANSIENTS EXPERIENCED IN THE PLANT'S MAIN FEEDWATER SYSTEM WITH RESULTANT DAMAGE TO FEEDWATER SYSTEM PIPING SUPPORT/RESTRAINT COMPONENTS. PARTICULAR EMPHASIS WAS GIVEN TO THE LICENSEE'S TECHNICAL RESOURCES UTILIZATION IN RESPONDING TO THE TRANSIENT EVENTS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, WHO WAS ACCOMPANIED BY AN NRC CONSULTANT.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 1 - NOVEMBER 2, 1984 (REPORT NO. 50-397/84-31) 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, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 239 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, PLUS 24 INSPECTOR-HOURS ONSITE BY TWO REGIONAL OFFICE MANAGEMENT PERSONNEL.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 23, 1984 (REPORT NO. 50-397/84-33) REPORT CANCELLED.

+ INSPECTION ON OCTOBER 22-26, 1984 (REPORT NO. 50-397/84-34) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF: INSPECTION FOLLOWUP ITEMS, TMI (NUREG 0737) FOLLOWUP, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS

Report Period NOV 1984

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

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 3-30, 1984 (REPORT NO. 50-397/84-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 13 - DECEMBER 7, 1984 (REPORT NO. 50-397/84-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ WARRANTY RUN COMPLETED DECEMBER 12, 1984.

LAST IE SITE INSPECTION DATE: 11/13-12/7/84+

INSPECTION REPORT NO: 50-397/84-36+

* WASHINGTON NUCLEAR 2 *

FACILITY DATA

Report Period NOV 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON SEPTEMBER 11 - NOVEMBER 28, 1984 (REPORT NO. 50-397/84-25) AREAS INSPECTED: INSPECTION CONSISTED OF A REVIEW OF THE LICENSEE'S ENGINEERING EVALUATION OF THERMAL TRANSIENTS EXPERIENCED IN THE PLANT'S MAIN FEEDWATER SYSTEM WITH RESULTANT DAMAGE TO FEEDWATER SYSTEM PIPING SUPPORT/RESTRAINT COMPONENTS. PARTICULAR EMPHASIS WAS GIVEN TO THE LICENSEE'S TECHNICAL RESOURCES UTILIZATION IN RESPONDING TO THE TRANSIENT EVENTS. THE INSPECTION INVOLVED 20 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, WHO WAS ACCOMPANIED BY AN NRC CONSULTANT.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON OCTOBER 1 - NOVEMBER 2, 1984 (REPORT NO. 50-397/84-31) 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, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 239 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS, PLUS 24 INSPECTOR-HOURS ONSITE BY TWO REGIONAL OFFICE MANAGEMENT PERSONNEL.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 23, 1984 (REPORT NO. 50-397/84-33) REPORT CANCELLED.

+ INSPECTION ON OCTOBER 22-26, 1984 (REPORT NO. 50-397/84-34) AREAS INSPECTED: ROUTINE, UNANNOUNCED SAFETY INSPECTION OF: INSPECTION FOLLOWUP ITEMS, TMI (NUREG 0737) FOLLOWUP, AND INDEPENDENT INSPECTION. THE INSPECTION INVOLVED 28 INSPECTOR-HOURS

PAGE 2-378

Report Period NOV 1984

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

* WASHINGTON NUCLEAR 2 *

INSPECTION SUMMARY

ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 3-30, 1984 (REPORT NO. 50-397/84-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON NOVEMBER 13 - DECEMBER 7, 1984 (REPORT NO. 50-397/84-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ WARRANTY RUN COMPLETED DECEMBER 12, 1984.

LAST IE SITE INSPECTION DATE: 11/13-12/7/84+

INSPECTION REPORT NO: 50-397/84-36+

Report Period NOV 1984

REPORTS FROM LICENSEE

* WASHINGTON NUCLEAR 2 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
41-00-L0	09-19-84	10-18-84	TWO ISOLATION VALVES FAILED CLOSING TIME CRITERIA
41-01-L0	09-19-84	10-11-84	RWCU ISOLATION - CAUSE UNKNOWN
41-02-L0	09-30-84	10-18-84	CNTRL RM EMERG. FILTRATION STARTED ON FALSE SIGNAL WHILE REPLACED ELECTRONICS BEING CALIBRATED
41-03-L0	09-08-84	10-18-84	MOTOR FOR BATTERY ROOM COOLING FAN FAILED NECESSITATING SHUTDOWN TO COMPLY W/ TECH SPEC ACTION STATEMNT
41-04-L0	10-04-84	10-25-84	VENDOR CAUSED PLANT SCRAM WHILE DOING UNSUPERVISED MAINTENANCE TROUBLESHOOTING
41-05-L0	09-24-84	10-18-84	CONTROL ROOM EMERGENCY FILTRATION ACTIVATED BY ELECTRICAL NOISE SPIKES
41-06-L0	09-27-84	10-18-84	INCORRECT PIPING OF FUEL ZONE LEVEL TRANSMITTER
84-G1-L1	06-14-84	07-26-84	OPEN FLOOR DRAIN VIOLATED FIRE ZONE SEPARATION (SPECIAL RPT)
84-59-L0	06-08-84	07-09-84	DIESEL SURVEILLANCE WITHOUT PRE-LUBE WARM-UP -(CATCH-22)
84-60-L0	06-13-84	07-06-84	RX TRIP DUE TO LOW LEVEL FROM FEEDPUMP TRIP
84-62-L0	06-20-84	07-12-84	ROD-SEQUENCE SURVEILLANCE TESTING NOT COMPLETED ON TIME
84-73-L0	07-08-84	08-02-84	SPURIOUS HIGH CHLORINE ALARM CAUSED BY COMPONENT FAILURE
84-78-L0	03-01-84	08-24-84	CONTROL ROOM VENTILATION EMERGENCY UNITS ACTUATED
84-79-L0	08-09-84	08-24-84	LOW WATER LEVEL SCRAM DUE TO FEEDPUMP TRIP
84-80-L0	08-01-84	08-24-84	TURBINE STOP VALVE CLOSURE RESULTED IN A REACTOR TRIP
84-81-L0	08-16-84	08-30-84	RWCU ISOLATED DUE TO SURVEILLANCE TESTS BECAUSE TEST POSITION HAD NOT BEEN USED
84-82-L0	08-02-84	08-30-84	HIGH STEAM FLOW RCIC ISOLATIONS OCCURRED BECAUSE OF SPURIOUS SIGNALS
84-83-L0	08-02-84	08-30-84	MANUAL SCRAM BECAUSE OF HIGH CONDUCTIVITY
84-85-L0	08-11-84	09-06-84	START OF DIESEL GENERATORS WITHOUT PRELUBE WARMUP
84-86-L0	08-14-84	09-06-84	FIRE WATCH FAILED TO COMPLETE ASSIGNED FIRE TOUR
84-87-L0	08-18-84	09-06-84	ROD WORTH MINIMIZER WAS DECLARED INOPERABLE
84-88-L0	08-14-84	09-06-84	RHR SERVICE WATER MONITOR WAS INOPERABLE
84-89-L0	08-16-84	09-06-84	SCRAM FROM SURVEILLANCE TESTING OF RECIRC FLOW COMPARITOR AND MS RAD MONITORS

Report Period NOV 1984

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

* WASHINGTON NUCLEAR 2 *

84-90-L0	08-07-84	09-06-84	RPS ACTUATION DUE TO LOW WATER LEVEL
84-91-L0	08-23-84	09-17-84	WITH REACTOR SHUTDOWN AN RHR ISOLATION AND LOW WATER LEVEL TRIP OCCURRED WHEN PLACING RHR IN SDCOOL
84-92-L0	08-21-84	09-17-84	FAILED PHOTOCCELL INITIATED CONTROL ROOM VENTILATION
84-93-L0	08-24-84	09-17-84	CONTROL ROOM VENTILATION EMERGENCY FILTRATION SYS STARTED W/ CHLORINE DETECTOR SENSOR RAN OUT OF SENSOR
84-94-L0	09-05-84	09-20-84	LIGHT BURNED OUT IN CHLORINE DETECTOR CAUSING CONTROL ROOM EMERGENCY AIR FILTRATION TO START
84-95-L0	09-10-84	09-27-84	TEST SWITCH INCORRECT INSTALLATION DURING TEST CAUSED A SCRAM
84-96-L0	09-01-84	09-27-84	STEAM LEAK COINCIDENT WITH FIRE
84-97-L0	09-04-84	09-28-84	HIGH FLOW RWCU ISOLATION
84-98-L0	09-04-84	09-27-84	CONTROL ROOM EMERGENCY VENTILATION FILTRATION ACTUATED DUE TO ELECTRICAL SPIKES
84-99-L0	09-28-84	10-18-84	RCIC HIGH AREA TEMPERATURE CAUSED ESF ACTUATION DUE TO SURVEILLANCE PROCEDURE METHOD

1. Docket: 50-029 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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

	MGNTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>720.0</u>	<u>8,040.0</u>	<u>210,741.0</u>
13. Hours Reactor Critical	<u>650.2</u>	<u>5,654.6</u>	<u>167,178.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>633.3</u>	<u>5,527.8</u>	<u>162,440.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>349,415</u>	<u>3,161,527</u>	<u>88,045,121</u>
18. Gross Elec Ener (MWH)	<u>104,986</u>	<u>959,549</u>	<u>26,682,415</u>
19. Net Elec Ener (MWH)	<u>8,056</u>	<u>898,118</u>	<u>24,966,507</u>
20. Unit Service Factor	<u>88.0</u>	<u>68.8</u>	<u>77.1</u>
21. Unit Avail Factor	<u>88.0</u>	<u>68.8</u>	<u>77.1</u>
22. Unit Cap Factor (MDC Net)	<u>81.6</u>	<u>66.8</u>	<u>72.9*</u>
23. Unit Cap Factor (DER Net)	<u>77.8</u>	<u>63.8</u>	<u>69.5*</u>
24. Unit Forced Outage Rate	<u>12.0</u>	<u>13.2</u>	<u>5.5</u>
25. Forced Outage Hours	<u>86.7</u>	<u>839.7</u>	<u>8,326.1</u>

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

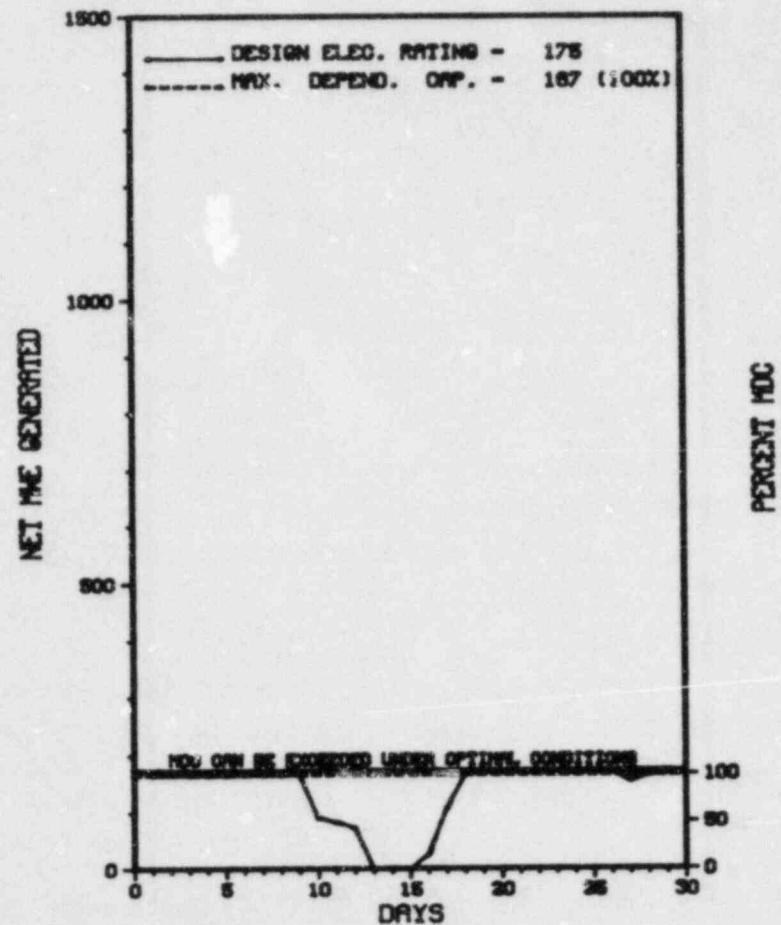
NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLGT

YANKEE-ROWE 1



* Item calculated with a Weighted Average

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

 * YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
84-09	11/10/84	S	0.0	B	5				POWER REDUCTION FOR THROTTLE VALVE EXERCISE AND CONDENSER TUBE CLEANING.
84-10	11/12/84	F	81.5	A	2	84-17	EL	GEN	MANUAL REACTOR SCRAM DUE TO MAIN GENERATOR ROTOR SLIPRING ARCING.
84-11	11/16/84	F	5.2	G	3	84-18			AUTOMATIC REACTOR SCRAM DUE TO LOW LEVEL IN NO. 2 AND NO. 3 STEAM GENERATORS (SGNR).

 * SUMMARY *

 YANKEE-ROWE 1 OPERATED WITH 1 REDUCTION AND 2 OUTAGES DURING NOVEMBER.

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		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* YANKEE-ROWE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period NOV 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.

Repci Period NOV 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)

* YANKEE-ROWE 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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: 50-295 OPERATING STATUS

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>95,712.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,626.2</u>	<u>67,702.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,373.9</u>	<u>65,842.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,312,365</u>	<u>16,368,803</u>	<u>186,290,286</u>
18. Gross Elec Ener (MWH)	<u>754,614</u>	<u>5,340,895</u>	<u>60,060,774</u>
19. Net Elec Ener (MWH)	<u>727,352</u>	<u>5,108,381</u>	<u>57,011,686</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.8</u>	<u>68.8</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.8</u>	<u>68.8</u>
22. Unit Cap Factor (MDC Net)	<u>97.1</u>	<u>61.1</u>	<u>57.3</u>
23. Unit Cap Factor (DER Net)	<u>97.1</u>	<u>61.1</u>	<u>57.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>29.0</u>	<u>14.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>2,193.6</u>	<u>10,805.6</u>

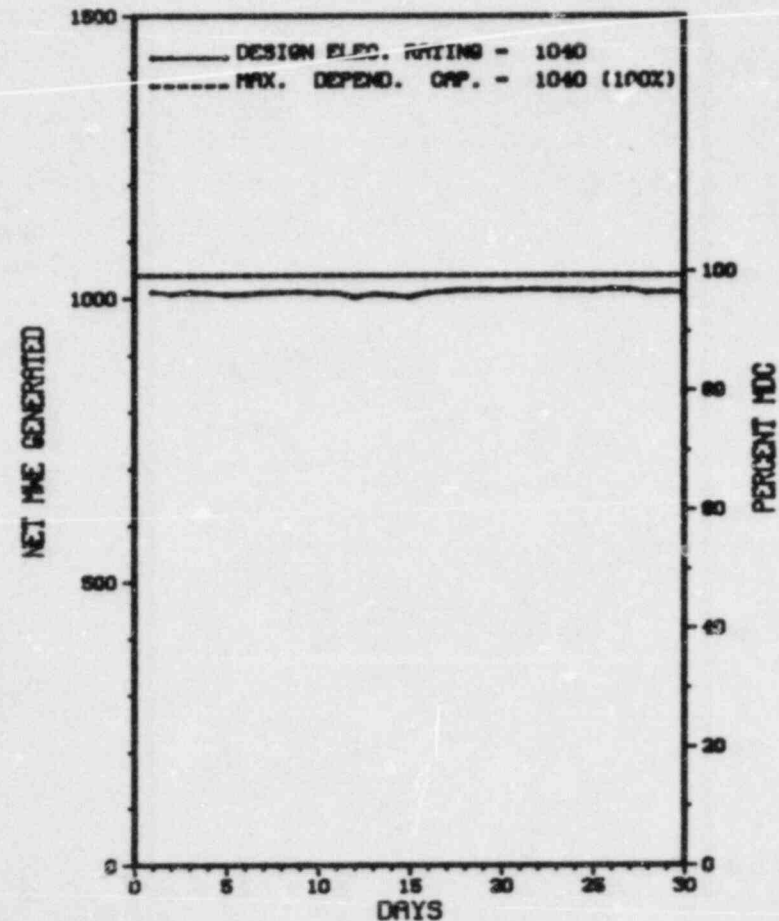
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ZION 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ZION 1 *

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

NONE

* SUMMARY *

ZION 1 OPERATED AT NEAR FULL POWER DURING NOVEMBER.

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 NOV 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 OCTOBER 29 THROUGH NOVEMBER 2, (84-22): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL AND PERSONNEL DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, AND AUDITS. ALSO REVIEWED WERE ANONYMOUSLY MADE ALLEGATIONS FROM A FORMER CONTRACTOR EMPLOYEE, AND OPEN ITEMS. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 11/01/84 Outage + On-line Hrs: 720.0

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>720.0</u>	<u>8,040.0</u>	<u>89,425.0</u>
13. Hours Reactor Critical	<u>720.0</u>	<u>5,541.2</u>	<u>64,766.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>720.0</u>	<u>5,436.0</u>	<u>62,962.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,317,458</u>	<u>16,819,752</u>	<u>181,735,835</u>
18. Gross Elec Ener (MWH)	<u>761,211</u>	<u>5,491,703</u>	<u>58,195,740</u>
19. Net Elec Ener (MWH)	<u>734,120</u>	<u>5,249,549</u>	<u>55,326,494</u>
20. Unit Service Factor	<u>100.0</u>	<u>67.6</u>	<u>70.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>67.6</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.0</u>	<u>62.8</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>98.0</u>	<u>62.8</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>11.9</u>	<u>17.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>734.7</u>	<u>13,111.4</u>

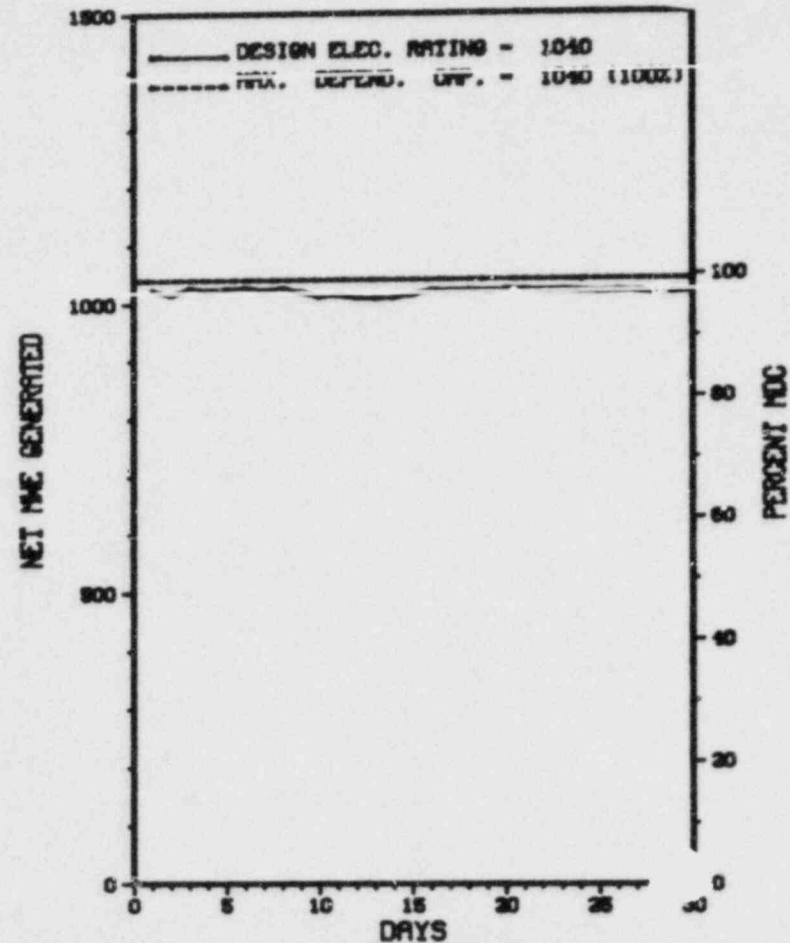
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* Z I O N 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

Z I O N 2



NOVEMBER 1984

Report Period NOV 1984

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

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

NONE

* SUMMARY *

ZION 2 OPERATED AT NEAR FULL POWER DURING NOVEMBER.

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 2 *

FACILITY DATA

Report Period NOV 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...DECEMBER 24, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 17, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON
CORPORATE ADDRESS.....P.O. BOX 767
CHICAGO, ILLINOIS 60690
CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....COMMONWEALTH EDISON
TURBINE SUPPLIER.....NONE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WATERS
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304
LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973
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 OCTOBER 29 THROUGH NOVEMBER 2, (84-20): ROUTINE, UNANNOUNCED INSPECTION OF THE OPERATIONAL RADIATION PROTECTION PROGRAM, INCLUDING: ORGANIZATION AND MANAGEMENT CONTROLS, TRAINING AND QUALIFICATIONS, EXTERNAL EXPOSURE CONTROL AND PERSONNEL DOSIMETRY, INTERNAL EXPOSURE CONTROL AND ASSESSMENT, AND AUDITS. ALSO REVIEWED WERE ANONYMOUSLY MADE ALLEGATIONS FROM A FORMER CONTRACTOR EMPLOYEE, AND OPEN ITEMS. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ON SITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

THIS PAGE INTENTIONALLY LEFT BLANK

SECTION 3

APPENDIX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS * (a)

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 AUTH. CAPACITY *****	PRESENT CAPACITY *****
ARKANSAS 1	177	988	375	613		N/S		1998
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(1)	1096	216(1)(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(e)	431	N/S		1985(g)
SALEM 1	193	1170	212	958		N/S		1996
SALEM 2	193	1170	72	1098		N/S		2000
SAN ONOFRE 1	157	216	94	122		N/S		1985
SAN ONOFRE 2	217	800	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

XXXXXXXXXXXX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS *

XXXXXXXXXXXX

FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POC. 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 *****
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	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	1995
ZION 2	193					09-85	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
- (b) Some of these dates have been adjusted by staff assumptions.
- (c) This is the total for both units.
- (d) Plant not in commercial operation.
- (e) Some spent fuel stored at Brunswick.
- (f) Authorized a total 2772 BWR and 1232 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 * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS * (a)

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 *****
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)	160PWR+656BWR	2116		N/S	1986
BRUNSWICK 2	560		144PWR+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							
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							
MILLSTONE 1	580	2184	1281	903		N/S	1991
MONTICELLO	484	2237	1137	1100		02-85	1991
NINE MILE POINT 1	532	2776	1244	1532	1788	03-86	1996
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 *****	(a)		NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	(b)	
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****				NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
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.
- (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

(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	
* LICENSED *	10.34	08/01/74	ARKANSAS 1	5.93	12/26/78	ARKANSAS 2		8.47	06/14/76	BEAVER VALLEY 1	
* OPERATING *	21.98	12/08/62	BIG ROCK POINT 1	11.13	10/15/73	BROWNS FERRY 1		10.26	08/28/74	BROWNS FERRY 2	
* ELECTRICAL *	8.22	09/12/76	BROWNS FERRY 3	7.99	12/04/76	BRUNSWICK 1		9.59	04/29/75	BRUNSWICK 2	
* PRODUCING *	.10	10/24/84	CALLAWAY 1	9.91	01/03/75	CALVERT CLIFFS 1		7.98	12/01/74	CALVERT CLIFFS 2	
* UNITS *	9.81	02/10/75	COOK 1	6.70	03/22/78	COOK 2		10.56	05/10/74	COOPER STATION	
*****	7.84	01/30/77	CRYSTAL RIVER 3	7.26	08/28/77	DAVIS-BESSE 1		.05	11/11/84	DIABLO CANYON 1	
	14.64	04/13/70	DRESDEN 2	13.36	07/22/71	DRESDEN 3		10.54	05/19/74	DUANE ARNOLD	
	7.29	08/18/77	FARLEY 1	3.52	05/25/81	FARLEY 2		9.83	02/01/75	FITZPATRICK	
	11.27	08/25/73	FORT CALHOUN 1	7.97	12/11/76	FORT ST VRAIN		15.00	12/02/69	GINNA	
	.11	10/20/84	GRAND GULF 1	17.32	08/07/67	HADDAM NECK		10.06	11/11/74	HATCH 1	
	6.19	09/22/78	HATCH 2	11.43	06/26/73	INDIAN POINT 2		8.60	04/27/76	INDIAN POINT 3	
	10.65	04/08/74	KEWAUNEE	16.60	04/26/68	LA CROSSE		2.24	09/04/82	LASALLE 1	
	.62	04/20/84	LASALLE 2	12.06	11/08/72	MAINE YANKEE		3.42	06/30/81	MCGUIRE 1	
	1.53	05/23/83	MCGUIRE 2	14.01	11/29/70	MILLSTONE 1		9.06	11/09/75	MILLSTONE 2	
	13.74	03/05/71	MONTICELLO	15.06	11/09/69	NINE MILE POINT 1		6.63	04/17/78	NORTH ANNA 1	
	4.27	08/25/80	NORTH ANNA 2	11.57	05/06/73	OCONEE 1		10.97	12/05/73	OCONEE 2	
	10.25	09/01/74	OCONEE 3	15.19	09/23/69	OYSTER CREEK 1		12.92	12/31/71	PALISADES	
	10.78	02/18/74	PEACH BOTTOM 2	10.25	09/01/74	PEACH BOTTOM 3		12.37	07/19/72	PILGRIM 1	
	14.07	11/06/70	POINT BEACH 1	12.33	08/02/72	POINT BEACH 2		10.99	12/04/73	PRAIRIE ISLAND 1	
	9.95	12/21/74	PRAIRIE ISLAND 2	12.64	04/12/72	QUAD CITIES 1		12.53	05/23/72	QUAD CITIES 2	
	10.14	10/13/74	RANCHO SECO 1	14.18	09/26/70	ROBINSON 2		7.93	12/25/76	SALEM 1	
	3.50	06/03/81	SALEM 2	17.38	07/16/67	SAN ONOFRE 1		2.20	09/20/82	SAN ONOFRE 2	
	1.19	09/25/83	SAN ONOFRE 3	4.36	07/22/80	SEQUOYAH 1		2.94	12/23/81	SEQUOYAH 2	
	8.57	05/07/76	ST LUCIE 1	1.47	06/13/83	ST LUCIE 2		2.04	11/16/82	SUMMER 1	
	12.41	07/04/72	SURRY 1	11.73	03/10/73	SURRY 2		2.04	11/16/82	SUSQUEHANNA 1	
	.41	07/03/84	SUSQUEHANNA 2	10.45	06/19/74	THREE MILE ISLAND 1		8.94	12/23/75	TROJAN	
	12.08	11/02/72	TURKEY POINT 3	11.45	06/21/73	TURKEY POINT 4		12.20	09/20/72	VERMONT YANKEE 1	
	.51	05/27/84	WASHINGTON NUCLEAR 2	24.06	11/10/60	YANKEE-ROWE 1		11.43	06/28/73	ZION 1	
	10.93	12/26/73	ZION 2								
TOTAL 782.52 YRS											

*****				*****				*****			
YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	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			

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-93	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R 24	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 -- PHYSICS 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 OF ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
	SALT LAKE CITY	UNIVERSITY OF UTAH	AGN-201M #107	50-072	R-25	09-12-57	0.005
VIRGINIA	BLACKSBURG	VIRGINIA POLYTECHNIC INSTITUTE	UTR-10	50-124	R-62	12-18-59	100.0
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
	CHARLOTTESVILLE	UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
	LYNCHBURG	BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
	SEATTLE	UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
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 12

3 TITLE AND SUBTITLE

Licensed Operating Reactors
Status Summary Report

2 Leave blank

4 RECIPIENT'S ACCESSION NUMBER

5 DATE REPORT COMPLETED

MONTH | YEAR
JANUARY | **1985**

6 AUTHOR(S)

7 DATE REPORT ISSUED

MONTH | YEAR
FEBRUARY | **1985**

8 PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)

Division of Budget and Analysis
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, DC 20555

9 PROJECT/TASK/WORK UNIT NUMBER

10 PIN NUMBER

11 SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)

Division of Budget and Analysis
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, DC 20555

12a TYPE OF REPORT

12b PERIOD COVERED (Inclusive dates)

NOVEMBER 1984

13 SUPPLEMENTARY NOTES

Status Summary Report

14 ABSTRACT (200 words or less)

The OPERATING UNITS STATUS REPORT - LICENSED OPERATING REACTORS provides data on the operation of nuclear units as timely and accurately as possible. This information is collected by the Office of Resource Management from the Headquarters staff of NRC's Office of Inspection and Enforcement, from NRC's Regional Offices, and from utilities. The three sections of the report are: monthly highlights and statistics for commercial operating units, and errata from previously reported data; a compilation of detailed information on each unit, provided by NRC's Regional Offices, IE Headquarters and the utilities; and an appendix for miscellaneous information such as spent fuel storage capability, reactor-years of experience and non-power reactors in the U.S. It is hoped the report is helpful to all agencies and individuals interested in maintaining an awareness of the U.S. energy situation as a whole.

15a KEY WORDS AND DOCUMENT ANALYSIS

15b DESCRIPTORS

16 AVAILABILITY STATEMENT

Unlimited

17 SECURITY CLASSIFICATION

(This report)
Unclassified

18 NUMBER OF PAGES

19 SECURITY CLASSIFICATION

(This page)
Unclassified

20 PRICE

\$

DISTRIBUTION LIST - NRC

INTERNAL DISTRIBUTION

Office of the Commissioners	5
Atomic Safety and Licensing Appeal Panel	3
Advisory Committee on Reactor Safeguards	6
Office of Inspector and Auditor	1
Office of Policy Evaluation	1
Office of the General Counsel	1
Office of Public Affairs	21
Office of Congressional Affairs	3
Office of the Executive Director for Operations	7
Office of Administration	2
Office of the Executive Legal Director	2
Office of Analysis and Evaluation of Operational Data	2
Office of International Programs	3
Office of State Programs	1
Office of Resource Management	19
Office of Nuclear Material Safety and Safeguards	2
- Division of Fuel Cycle and Material Safety	3
- Division of Safeguards	2
Office of Nuclear Reactor Regulation	138
- Division of Engineering	
- Division of Safety Technology	
- Division of Licensing	
- Division of Systems Integration	
- Division of Human Factors Safety	
Office of Nuclear Regulatory Research	4
Office of Inspection and Enforcement	7
- Region I	11
- Region II	10
- Region III	10
- Region IV	10
- Region V	7
	<u>281</u>

EXTERNAL DISTRIBUTION

SPECIAL REQUESTS

Air Force	1
Congress	10
Department of Energy	32
Government Accounting Office	1
Environmental Protection Agency	1
Electric Power Research Institute	1
Argonne National Laboratory	3
Bureau of Mines	1
Department of Agriculture	1
Department of the Commerce	1
Department of the Interior	1
	<u>53</u>

OTHER

GPO Depository	440
GPO Stores	75
National Technical Information Service	25
Subscriptions (NTIS)	250
Colleges and Libraries (including Public Document Rooms)	128
Utilities and Other Requests	227
	<u>1145</u>

DISTRIBUTION LIST - NRC

INTERNAL DISTRIBUTION

Office of the Commissioners	5
Atomic Safety and Licensing Appeal Panel	3
Advisory Committee on Reactor Safeguards	6
Office of Inspector and Auditor	1
Office of Policy Evaluation	1
Office of the General Counsel	21
Office of Public Affairs	3
Office of Congressional Affairs	7
Office of the Executive Director for Operations	2
Office of Administration	2
Office of the Executive Legal Director	2
Office of Analysis and Evaluation of Operational Data	3
Office of International Programs	1
Office of State Programs	19
Office of Resource Management	2
Office of Nuclear Material Safety and Safeguards	3
- Division of Fuel Cycle and Material Safety	2
- Division of Safeguards	138
Office of Nuclear Reactor Regulation	
- Division of Engineering	
- Division of Safety Technology	
- Division of Licensing	
- Division of Systems Integration	
- Division of Human Factors Safety	4
Office of Nuclear Regulatory Research	7
Office of Inspection and Enforcement	11
- Region I	10
- Region II	10
- Region III	10
- Region IV	7
- Region V	281

EXTERNAL DISTRIBUTION

SPECIAL REQUESTS

Air Force	10
Congress	32
Department of Energy	1
Government Accounting Office	1
Environmental Protection Agency	1
Electric Power Research Institute	3
Argonne National Laboratory	1
Bureau of Mines	1
Department of Agriculture	1
Department of the Commerce	1
Department of the Interior	53

OTHER

GPO Depository	440
GPO Stores	75
National Technical Information Service	25
Subscriptions (NTIS)	250
Colleges and Libraries (including Public Document Rooms)	128
Utilities and Other Requests	227
	1145

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

FIRST CLASS MAIL
POSTAGE & FEES PAID
USNRC
WASH D.C.
PERMIT No. 667

12/14/77 11:10 AM
AD-101 1100
POLICY & PLAN DIVISION
WASHINGTON DC 20555