

NUREG-0020
Vol. 10, No. 1
January 1986

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT
DATA AS OF 12-31-85

UNITED STATES NUCLEAR REGULATORY COMMISSION



8603140523 860228
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. 10, No. 1
January 1986

LICENSED OPERATING REACTORS

STATUS SUMMARY REPORT

DATA AS OF 12-31-85

Manuscript Completed: February 1986
Date Published: February 1986

OFFICE OF RESOURCE MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555



STATEMENT OF PURPOSE

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

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

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

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

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

	PAGE
GLOSSARY	ii
INDEX TO LICENSED UNITS	vii
<u>SECTION 1 - CURRENT DATA SUMMARIES</u>	
MONTHLY HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS	1-2
Licensed Power Reactors	1-2
Power Generation	1-2
Actual vs. Potential Energy Production	1-2
Outage Data	1-2
Reasons for Shutdown	1-3
Derated Units	1-3
Shutdowns Greater Than 72 Hours Each	1-3
UNIT AVAILABILITY, CAPACITY, AND FORCED OUTAGE RATE PLOT	1-4
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIAL OPERATING UNITS	1-5
AVERAGE CAPACITY FACTORS BY VENDOR	
Vendor Plot	1-6
Statistics	1-7
MEMORANDA - SPECIAL INFORMATION	1-8
ERRATA - CORRECTIONS TO PREVIOUSLY REPORTED DATA	1-9
<u>SECTION 2 - OPERATING POWER REACTORS</u>	
ARKANSAS 1 THROUGH ZION 2	2-002 through 2-398
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	3-6
NON-POWER REACTORS IN THE U.S.	3-7

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	<p>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.</p> <p>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.</p>

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

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

G L O S S A R Y (continued)

UNIT AVAILABILITY FACTOR	$\frac{\text{Unit Available Hours} \times 100}{\text{Period Hours}}$
UNIT CAPACITY FACTORS	
- Using Licensed Thermal Power	$\frac{\text{Gross Thermal Energy Generated} \times 100}{\text{Period Hours} \times \text{Lic. Thermal Power}}$
- Using Nameplate Rating	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{Nameplate Rating}}$
- Using DER	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{DER}}$
- Using MDC Gross	$\frac{\text{Gross Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Gross}}$
- Using MDC Net	$\frac{\text{Net Electrical Energy Generated} \times 100}{\text{Period Hours} \times \text{MDC Net}}$
NOTE: if MDC GROSS and/or MDC NET have not been determined, the DER is substituted for this quantity for Unit Capacity Factor calculations.	
UNIT FORCED OUTAGE RATE	$\frac{\text{Forced Outage Hours}}{\text{Unit Service Hours} + \text{Forced Outage Hours}}$
UNIT RESERVE SHUTDOWN	The removal of the unit from on-line operation for economic or other similar reasons when operation could have been continued.
UNIT RESERVE SHUTDOWN HOURS	The total clock hours in the report period during which the unit was in reserve shutdown mode.
UNIT SERVICE FACTOR	$\frac{\text{Unit Service Hours} \times 100}{\text{Period Hours}}$
UNIT SERVICE HOURS	See "Hours Generator On-Line."

NOTE:

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

INDEX TO OPERATING POWER REACTORS

	PAGE		PAGE
ARKANSAS 1	2-002	MONTICELLO	2-204
ARKANSAS 2	2-006	NINE MILE POINT 1	2-208
BEAVER VALLEY 1	2-010	NORTH ANNA 1	2-212
BIG ROCK POINT 1	2-016	NORTH ANNA 2	2-216
BROWNS FERRY 1	2-020	OCONEE 1	2-220
BROWNS FERRY 2	2-024	OCONEE 2	2-224
BROWNS FERRY 3	2-028	OCONEE 3	2-228
BRUNSWICK 1	2-032	OYSTER CREEK 1	2-232
BRUNSWICK 2	2-036	PALISADES	2-236
BYRON 1	2-040	PALO VERDE 1	2-240
CALLAWAY 1	2-046	PEACH BOTTOM 2	2-246
CALVERT CLIFFS 1	2-050	PEACH BOTTOM 3	2-252
CALVERT CLIFFS 2	2-054	PILGRIM 1	2-256
CATAWBA 1	2-058	POINT BEACH 1	2-260
COOK 1	2-062	POINT BEACH 2	2-264
COOK 2	2-068	PRAIRIE ISLAND 1	2-268
COOPER STATION	2-074	PRAIRIE ISLAND 2	2-272
CRYSTAL RIVER 3	2-078	QUAD CITIES 1	2-276
DAVIS-BESSE 1	2-082	QUAD CITIES 2	2-280
DIABLO CANYON 1	2-088	RANCHO SECO 1	2-284
DIABLO CANYON 2	2-094	ROBINSON 2	2-288
DRESDEN 2	2-098	SALEM 1	2-292
DRESDEN 3	2-102	SALEM 2	2-296
DUANE ARNOLD	2-108	SAN ONOFRE 1	2-300
FARLEY 1	2-114	SAN ONOFRE 2	2-304
FARLEY 2	2-118	SAN ONOFRE 3	2-310
FITZPATRICK	2-122	SEQUOYAH 1	2-316
FORT CALHOUN 1	2-126	SEQUOYAH 2	2-320
FORT ST VRAIN	2-130	ST LUCIE 1	2-324
GINNA	2-134	ST LUCIE 2	2-328
GRAND GULF 1	2-140	SUMMER 1	2-332
HADDAM NECK	2-144	SURRY 1	2-336
HATCH 1	2-148	SURRY 2	2-340
HATCH 2	2-152	SUSQUEHANNA 1	2-344
INDIAN POINT 2	2-156	SUSQUEHANNA 2	2-348
INDIAN POINT 3	2-160	THREE MILE ISLAND 1	2-352
KEWAUNEE	2-164	TROJAN	2-356
LA CROSSE	2-168	TURKEY POINT 3	2-360
LASALLE 1	2-172	TURKEY POINT 4	2-364
LASALLE 2	2-176	VERMONT YANKEE 1	2-368
LIMERICK 1	2-180	WASHINGTON NUCLEAR 2	2-372
MAINE YANKEE	2-184	WATERFORD 3	2-376
MCGUIRE 1	2-188	WOLF CREEK 1	2-380
MCGUIRE 2	2-192	YANKEE-ROWE 1	2-384
MILLSTONE 1	2-196	ZION 1	2-388
MILLSTONE 2	2-200	ZION 2	2-394

SECTION 1

**CURRENT
DATA
SUMMARIES**

 MONTHLY HIGHLIGHTS

*****	89 IN COMMERCIAL OPERATION	73,240	CAPACITY MWe (Net)	--Based upon maximum dependable capacity; design elec. rating used if MDC not determined
* LICENSED * * POWER * * REACTORS *	(a) 5 IN POWER ASCENSION	5,504		
*****	(b) 94 LICENSED TO OPERATE	76,744	TOTAL	
*****	(c) 1 LICENSED FOR FUEL LOADING AND LOW POWER TESTING			

	MDC NET		DER		
(a) PALO VERDE 1	... 1304	(b) Excludes these plants	1. DRESDEN 1	... 200	(c) SHOREHAM
ENRICO FERMI 2	... 1093	licensed for operation	2. HUMBOLDT BAY	... 65 07/03/85
LIMERICK 1	... 1065	which are shut down	3. TMI 2	... 706	MILLSTONE 3
DIABLO CANYON 2	... 1106	indefinitely		 11/25/85
RIVER BEND	... 936				PALO VERDE 2
				 12/09/85
				 1304

*****		REPORT MONTH	PREVIOUS MONTH	YEAR-TO-DATE
* POWER * * GENERATION *	1. GROSS ELECTRICAL (MWHE)	34,333,911	31,134,828	389,840,407
*****	2. NET ELECTRICAL (MWHE)	32,636,612	29,606,497	370,844,273
	3. AVG. UNIT SERVICE FACTOR (%)	66.7	62.6	68.2
	4. AVG. UNIT AVAILABILITY FACTOR (%)	66.7	63.3	68.5
	5. AVG. UNIT CAPACITY FACTOR (MDC) (%)	62.5	57.4	63.3
	6. AVG. UNIT CAPACITY FACTOR (DER) (%)	61.0	56.0	61.7
	7. FORCED OUTAGE RATE (%)	13.1	12.9	11.3

*****			% OF POTENTIAL PRODUCTION
* ACTUAL VS. * * POTENTIAL * * ENERGY * * PRODUCTION *	1. ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD.	32,636,612 NET	59.9
*****	2. ENERGY NOT PRODUCED DUE TO SCHEDULED OUTAGES (NET).	12,877,285 MWHe	23.6
	3. ENERGY NOT PRODUCED DUE TO FORCED OUTAGES (NET)	6,533,494 MWHe	12.0
	4. ENERGY NOT PRODUCED FOR OTHER REASONS (NET)	2,443,168 MWHe	4.5
POTENTIAL ENERGY PRODUCTION IN THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)		54,490,560 MWHe	100.0% TOTAL
	5. ENERGY NOT PRODUCED DUE TO NRC-REQUIRED OUTAGES	1,349,007 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
* OUTAGE * * DATA * *****	1. FORCED OUTAGES DURING REPORT PERIOD	50	7,076.7	10.7	6,533,494
	2. SCHEDULED OUTAGES DURING REPORT PERIOD.	30	14,975.0	22.6	12,877,285
	TOTAL	80	22,051.7	33.3	19,410,780

MWHE LOST PRODUCTION = Down time X maximum dependable capacity net

MONTHLY HIGHLIGHTS

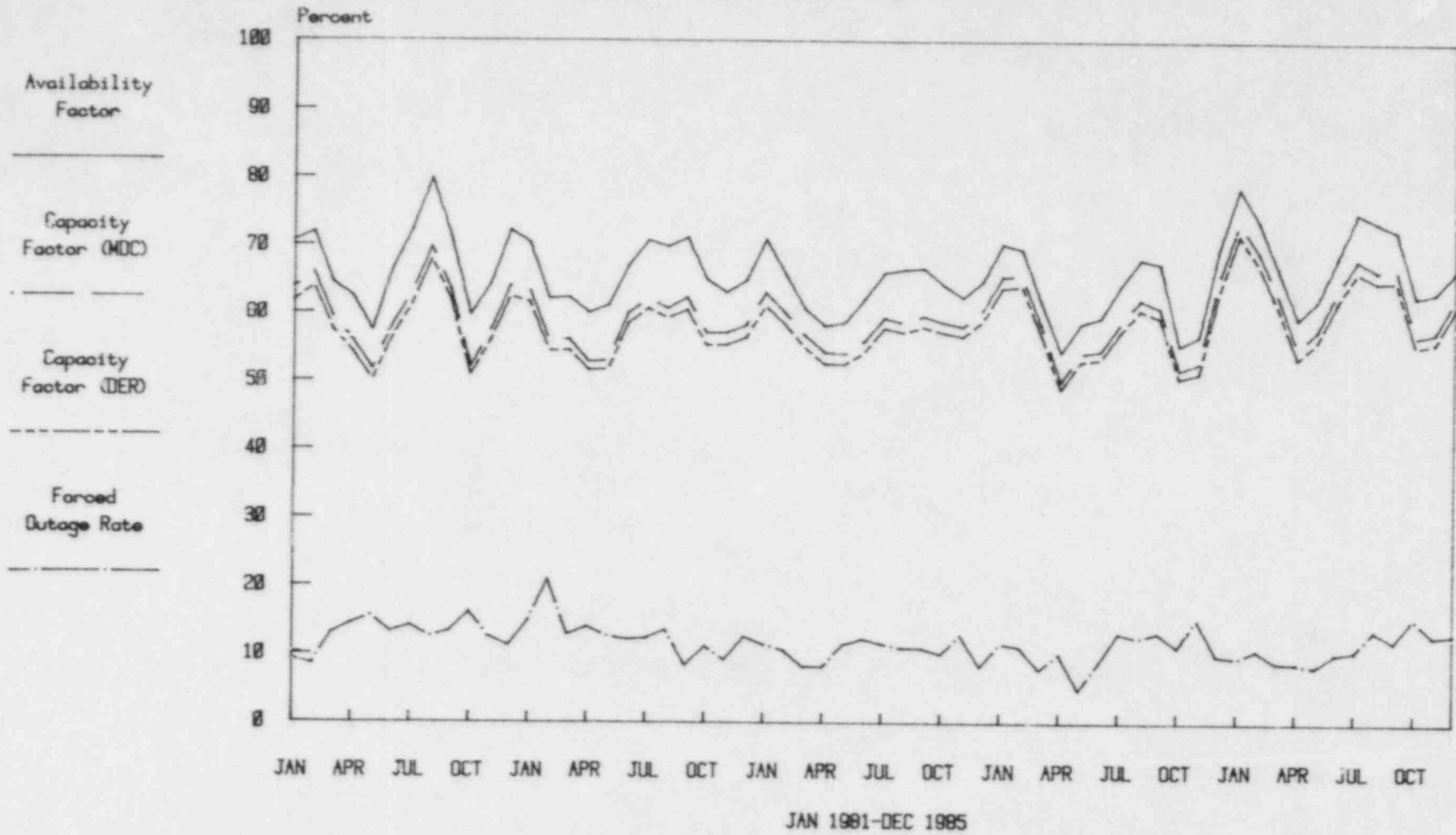
		NUMBER	HOURS LOST
*****	A - Equipment Failure	32	3,523.4
* REASONS *	B - Maintenance or Test	14	1,464.2
* FOR *	C - Refueling	21	13,433.8
* SHUTDOWNS *	D - Regulatory Restriction	3	1,763.2
*****	E - Operator Training & License Examination	0	0.0
	F - Administrative	2	1,032.0
	G - Operational Error	4	470.9
	H - Other	4	364.2
	TOTAL	80	22,051.7

	MDC (MWe Net)	POWER LIMIT (MWe Net)	TYPE	
*****	ARKANSAS 1	836	750	Self-imposed
* DERATED *	BYRON 1	*29	*75	Self-imposed
* UNITS *	SAN ONOFRE 1	436	390	Self-imposed
*****	WASHINGTON NUCLEAR*	*95	775	Self-imposed

	UNIT	REASON	UNIT	REASON	UNIT	REASON	UNIT	REASON
*****	ARKANSAS 2	A	BROWNS FERRY 1	C	BROWNS FERRY 2	C	BROWNS FERRY 3	C
* SHUTDOWNS *	BRUNSWICK 2	C	BYRON 1	D	CALVERT CLIFFS 2	C	COOK 1	B
* GREATER *	CRYSTAL RIVER 3	A	DAVIS-BESSE 1	A	DIABLO CANYON 1	B	DRESDEN 3	C
* THAN 72 HRS *	FORT CALHOUN 1	C	FORT ST VRAIN	D	GRAND GULF 1	A,H	HATCH 1	C
* EACH *	HATCH 2	B	LASALLE 1	C	LASALLE 2	B	MCGUIRE 2	A
*****	MILLSTONE 1	C	NORTH ANNA 1	C	OCONEE 3	A	PALISADES	C
	PEACH BOTTOM 2	A,D	PEACH BOTTOM 3	C	RANCHO SECO 1	A,G	SALEM 2	A
	SAN ONOFRE 1	C	SAN ONOFRE 2	B	SAN ONOFRE 3	C	SEQUOYAH 1	C,F
	SEQUOYAH 2	F	ST LUCIE 1	A,C	ST LUCIE 2	A	SUMMER 1	C
	SUSQUEHANNA 2	A	TURKEY POINT 3	B	VERMONT YANKEE 1	C	WATERFORD 3	G
	YANKEE-ROWE 1	C	ZION 2	C				

Unit Availability, Capacity, Forced Outage

Avg. Unit Percentage as of 12-31-85



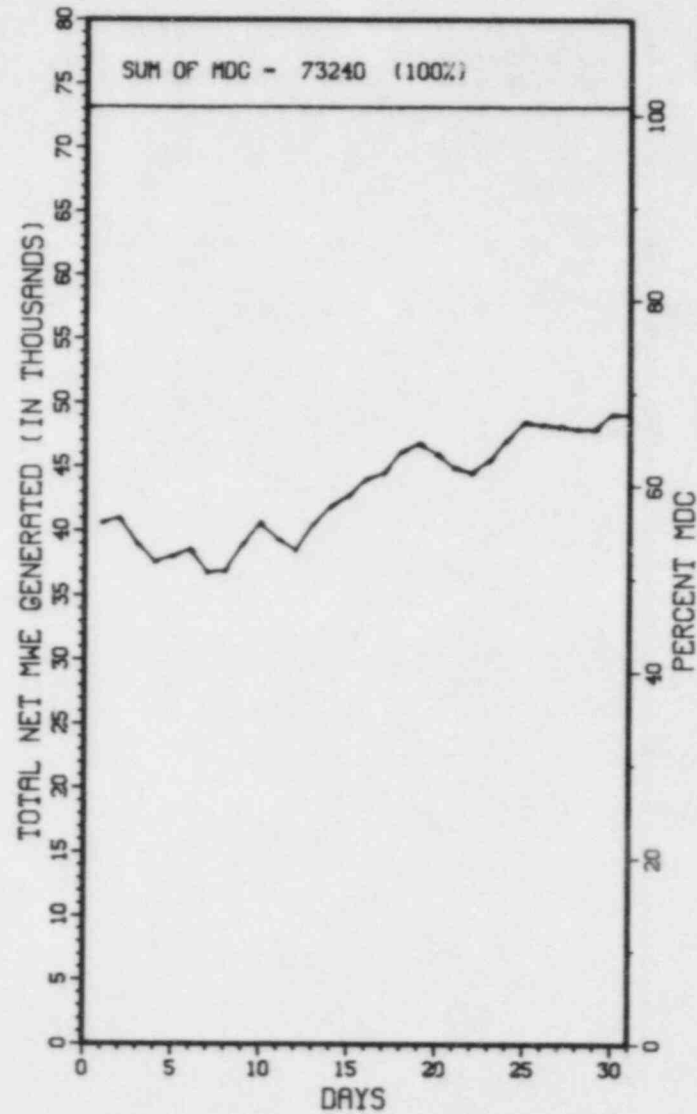
AVERAGE DAILY POWER LEVEL FOR ALL COMMERCIALY OPERATING UNITS

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".

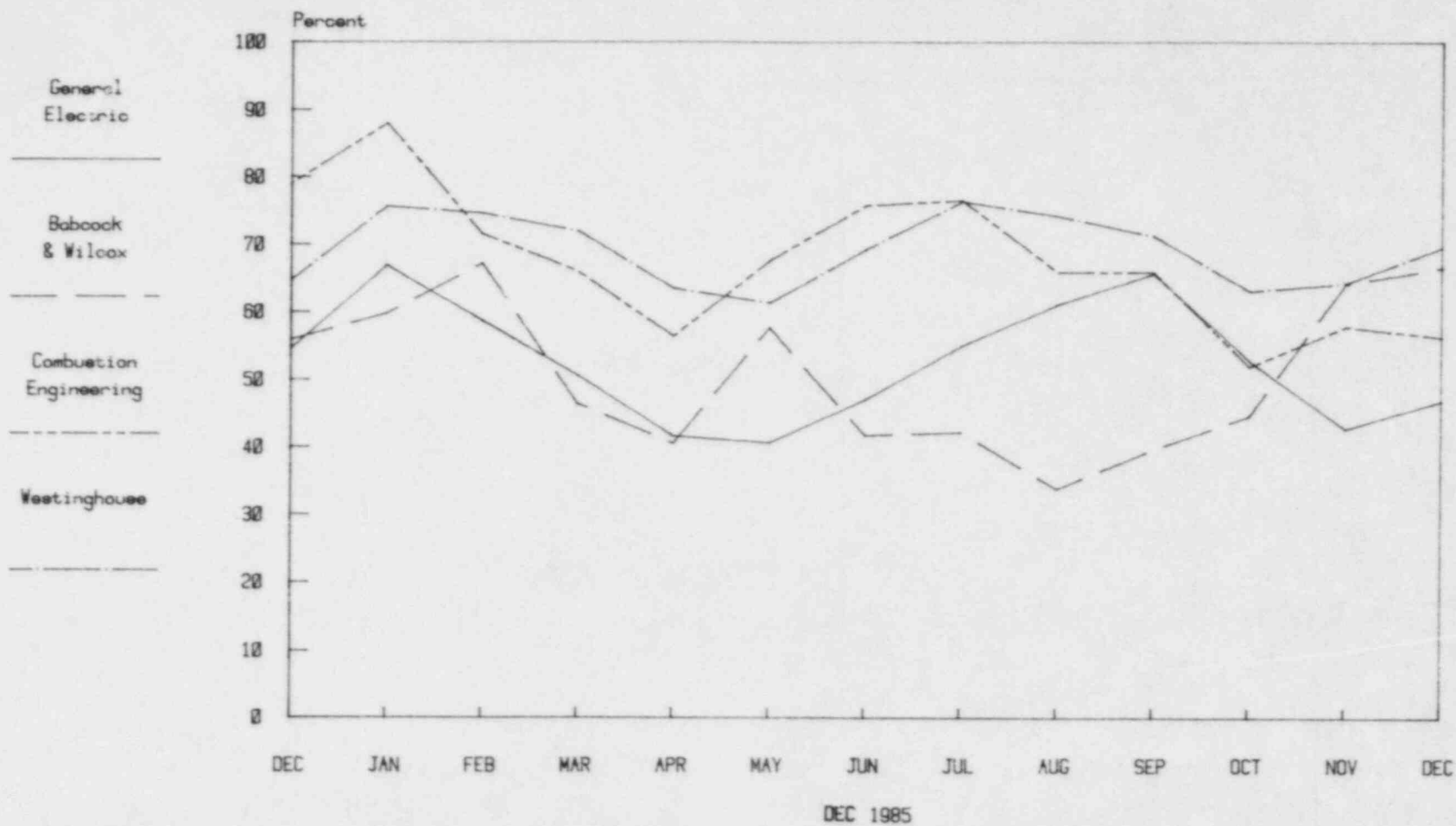
It should be recognized that the 100% line would be obtainable only if all of the commercially operating units operated at 100% capacity, 24 hours per day, for the entire month. In other words, since any power generator must occasionally shut down to refuel and/or perform needed maintenance, and also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



DECEMBER 1985

Vendor Average Capacity Factors

As of 12-31-85



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

AVERAGE CAPACITY FACTORS BY VENDORS

***** CFMDC	CFMDC	CFMDC	CFMDC
* GENERAL * 0.0 BROWNS FERRY 1	0.0 BROWNS FERRY 2	0.0 BROWNS FERRY 3	95.2 BRUNSWICK 1
* ELECTRIC * 0.0 BRUNSWICK 2	99.0 COOPER STATION	99.4 DRESDEN 2	0.0 DRESDEN 3
***** 79.2 DUANE ARNOLD	99.2 FITZPATRICK	39.5 GRAND GULF 1	0.0 HATCH 1
80.9 HATCH 2	0.0 LASALLE 1	16.7 LASALLE 2	21.9 MILLSTONE 1
101.3 MONTICELLO	86.8 NINE MILE POINT 1	91.0 OYSTER CREEK 1	0.7 PEACH BOTTOM 2
0.0 PEACH BOTTOM 3	99.1 PILGRIM 1	97.0 QUAD CITIES 1	100.0 QUAD CITIES 2
87.7 SUSQUEHANNA 1	74.9 SUSQUEHANNA 2	0.0 VERMONT YANKEE 1	65.8 WASHINGTON NUCLEAR*

***** CFMDC	CFMDC	CFMDC	CFMDC
* BABCOCK & * 92.0 ARKANSAS 1	75.6 CRYSTAL RIVER 3	0.0 DAVIS-BESSE 1	98.9 OCONEE 1
* WILCOX * 93.2 OCONEE 2	55.4 OCONEE 3	44.6 RANCHO SECO 1	75.5 THREE MILE ISLAND 1

***** CFMDC	CFMDC	CFMDC	CFMDC
* COMBUSTION * 66.7 ARKANSAS 2	106.3 CALVERT CLIFFS 1	56.6 CALVERT CLIFFS 2	0.0 FORT CALHOUN 1
* ENGINEERING * 102.0 MAINE YANKEE	98.3 MILLSTONE 2	0.0 PALISADES	79.6 SAN ONOFRE 2
***** 0.0 SAN ONOFRE 3	3.4 ST LUCIE 1	89.2 ST LUCIE 2	54.9 WATERFORD 3

***** CFMDC	CFMDC	CFMDC	CFMDC
* WESTINGHOUSE* 99.5 BEAVER VALLEY 1	27.7 BYRON 1	86.9 CALLAWAY 1	71.2 CATAWBA 1
***** 45.2 COOK 1	79.3 COOK 2	76.3 DIABLO CANYON 1	101.5 FARLEY 1
102.8 FARLEY 2	102.2 GINNA	91.5 HADDAM NECK	91.4 INDIAN POINT 2
88.2 INDIAN POINT 3	100.3 KEWAUNEE	92.9 MCGUIRE 1	51.4 MCGUIRE 2
3.6 NORTH ANNA 1	97.8 NORTH ANNA 2	102.1 POINT BEACH 1	90.8 POINT BEACH 2
104.7 PRAIRIE ISLAND 1	104.3 PRAIRIE ISLAND 2	106.3 ROBINSON 2	99.1 SALEM 1
30.6 SALEM 2	0.0 SAN ONOFRE 1	0.0 SEQUOYAH 1	0.0 SEQUOYAH 2
28.9 SUMMER 1	93.3 SURRY 1	94.2 SURRY 2	97.5 TROJAN
81.9 TURKEY POINT 3	98.4 TURKEY POINT 4	94.7 WOLF CREEK 1	53.7 YANKEE-ROWE 1
78.3 ZION 1	0.0 ZION 2		

***** Units excluded are:
 * OTHER INFO * 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.....	8,195,870	16,710,829	4,313,241	3,343,143	24,367,213
MDC NET.....	23,466	32,280	10,301	6,746	49,327
CFMDC.....	46.9	69.6	56.3	66.6	66.4

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

N O N E
N O N E
N O N E

SECTION 2

**OPERATING
POWER
REACTORS**

1. Docket: 50-313 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. N. GOBELL (501) 964-3251

4. Licensed Thermal Power (Mwt): 2568

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

6. Design Electrical Rating (Net MWe): 850

7. Maximum Dependable Capacity (Gross MWe): 883

8. Maximum Dependable Capacity (Net MWe): 836

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

10. Power Level To Which Restricted, If Any (Net MWe): 750

11. Reasons for Restrictions, If Any:
FOULING AT TUBE SUPPORT PLATE CREVICE

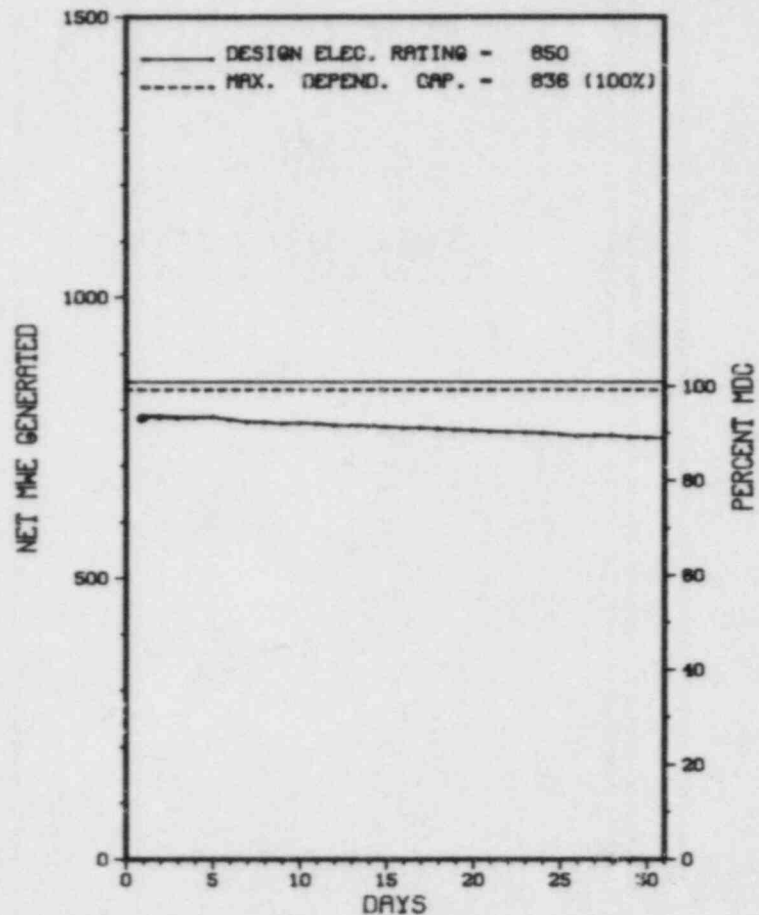
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>96,739.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,005.4</u>	<u>65,663.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,044.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,854.6</u>	<u>64,258.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>817.5</u>
17. Gross Therm Ener (MWH)	<u>1,751,890</u>	<u>16,231,951</u>	<u>152,584,762</u>
18. Gross Elec Ener (MWH)	<u>598,475</u>	<u>5,472,454</u>	<u>50,434,725</u>
19. Net Elec Ener (MWH)	<u>572,273</u>	<u>5,190,354</u>	<u>48,052,876</u>
20. Unit Service Factor	<u>100.0</u>	<u>78.2</u>	<u>66.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>78.2</u>	<u>67.3</u>
22. Unit Cap Factor (MDC Net)	<u>92.0</u>	<u>70.5</u>	<u>59.4</u>
23. Unit Cap Factor (DER Net)	<u>90.5</u>	<u>69.7</u>	<u>58.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>16.0</u>	<u>15.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,307.6</u>	<u>11,560.5</u>

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

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

* ARKANSAS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 1 *

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

NONE

* SUMMARY *

ARKANSAS 1 OPERATED ROUTINELY WITH NO OUTAGES OR REDUCTIONS IN DECEMBER.

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

* ARKANSAS 1 *

FACILITY DATA

Report Period DEC 1985

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...B&B COCK & WILCOX

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....B. JOHNSON
LICENSING PROJ MANAGER.....G. VISSING
DOCKET NUMBER.....50-313

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

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED ON OCTOBER 1 - NOVEMBER 30, 1985 (85-24) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, SURVEILLANCE PROCEDURES AND RECORDS, PROCUREMENT PROGRAM REVIEW, FOLLOWUP ON IE INFORMATION NOTICES, AND COLD WEATHER PREPARATIONS. WITHIN THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION B REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE ACCOMPLISHED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS. ENGINEERING TEST PROCEDURE NO. 1309.09, "INTEGRATED LEAK RATE TEST," TEST STEP NO. 7.3.6 STATES, "VERIFY ANY VALVES, WHICH WERE CHECKED OR REPAIRED, WERE RETURNED TO THEIR POSITION PER (TEST) APPENDIX B, OR ANY EXCEPTIONS LISTED IN (TEST) APPENDIX J."

CONTRARY TO THIS, ON DECEMBER 14, 1984, THREE VALVES (NO. IA-15, SA-45, AND NG2-1021) WERE FOUND TAGGED AND POSITIONED IN OPPOSITION TO THE SIGNED PROCEDURAL VALVE LINEUP CONTROL ROOM TEST LOG.
(8403 4)

OTHER ITEMS

1. Docket: 50-368 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: D. F. HARRISON (501) 964-3743

4. Licensed Thermal Power (MWh): 2815

5. Nameplate Rating (Gross MWe): 943

6. Design Electrical Rating (Net MWe): 912

7. Maximum Dependable Capacity (Gross MWe): 897

8. Maximum Dependable Capacity (Net MWe): 858

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

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

11. Reasons for Restrictions, If Any: _____
NONE

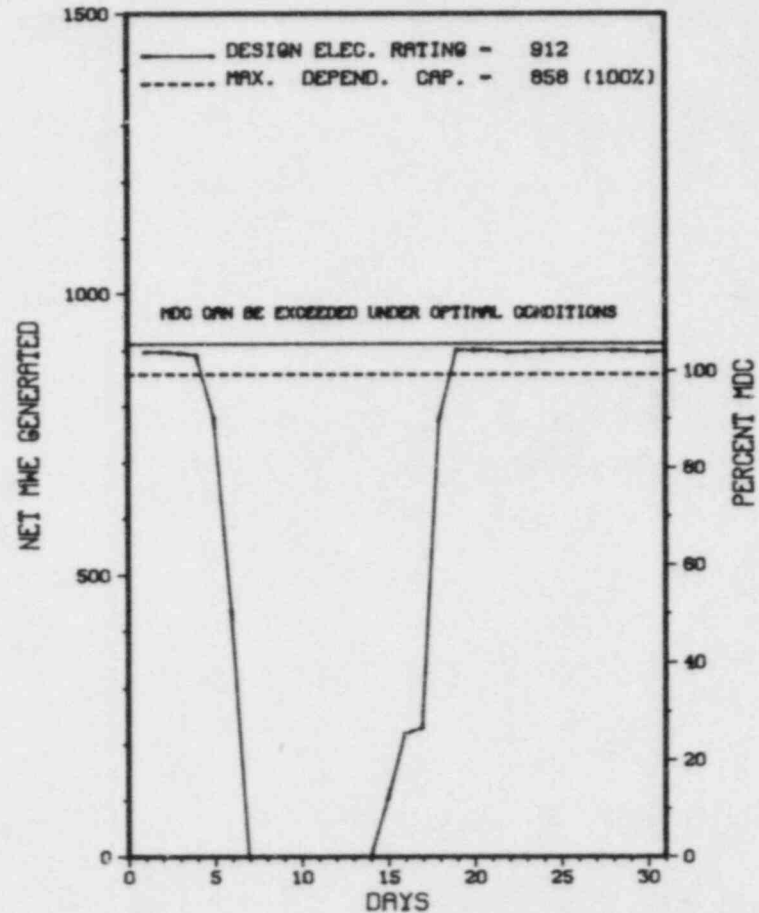
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>50,568.0</u>
13. Hours Reactor Critical	<u>545.3</u>	<u>6,377.4</u>	<u>35,682.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,430.1</u>
15. Hrs Generator On-Line	<u>541.5</u>	<u>6,042.5</u>	<u>34,435.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>75.0</u>
17. Gross Therm Ener (MWH)	<u>1,348,909</u>	<u>14,983,672</u>	<u>87,037,350</u>
18. Gross Elec Ener (MWH)	<u>449,681</u>	<u>4,972,486</u>	<u>28,489,242</u>
19. Net Elec Ener (MWH)	<u>425,766</u>	<u>4,699,203</u>	<u>27,109,116</u>
20. Unit Service Factor	<u>72.8</u>	<u>69.0</u>	<u>68.1</u>
21. Unit Avail Factor	<u>72.8</u>	<u>69.0</u>	<u>68.2</u>
22. Unit Cap Factor (MDC Net)	<u>66.7</u>	<u>62.5</u>	<u>62.5</u>
23. Unit Cap Factor (DER Net)	<u>62.7</u>	<u>58.8</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>27.2</u>	<u>14.1</u>	<u>16.8</u>
25. Forced Outage Hours	<u>202.5</u>	<u>988.8</u>	<u>6,957.2</u>

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

27. If Currently Sh: tdown Estimated Startup Date: N/A

* ARKANSAS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ARKANSAS 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* ARKANSAS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8529	12/05/85	F	202.5	A	1		SE	EXJ	UNIT SHUTDOWN TO REPAIR EXTRACTION LINE EXPANSION JOINTS.

* SUMMARY *

ARKANSAS 2 OPERATED WITH 1 OUTAGE FOR EQUIPMENT FAILURE IN DECEMBER.

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

* ARKANSAS 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 1 - NOVEMBER 30, 1985 (85-25) ROUTINE, UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS, FOLLOWUP ON LICENSEE EVENT REPORTS, SURVEILLANCE PROCEDURES AND RECORDS, PROCUREMENT PROGRAM REVIEW, FOLLOWUP ON IE INFORMATION NOTICES, AND COLD WEATHER PREPARATIONS. WITHIN THE NINE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

1. Docket: 50-334 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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

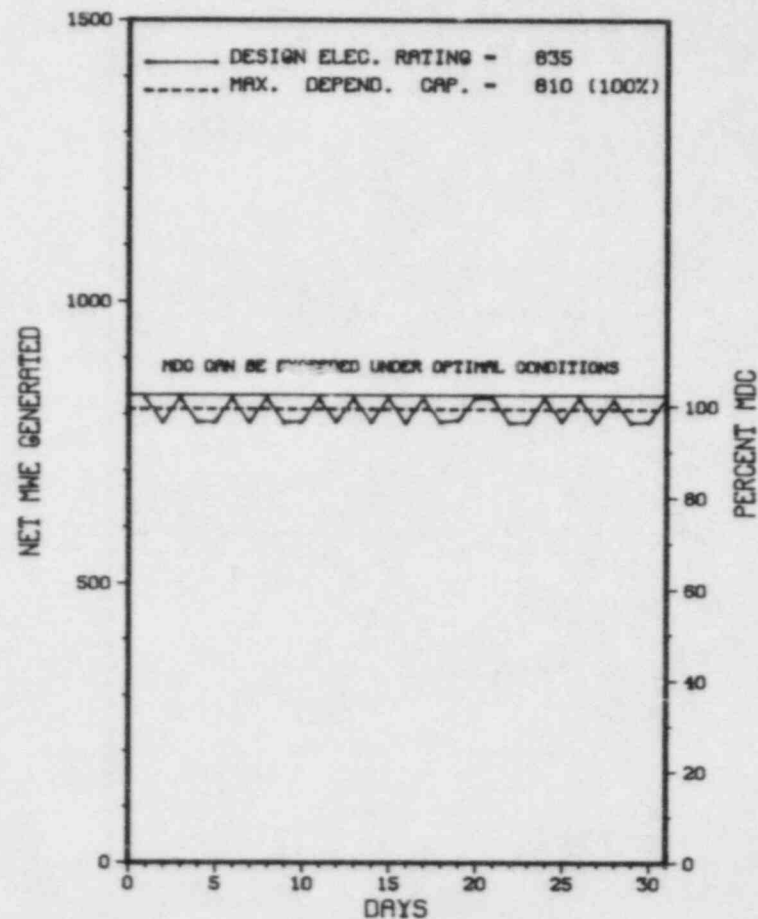
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>84,768.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,245.3</u>	<u>45,604.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>4,482.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,051.9</u>	<u>44,134.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,951,848</u>	<u>19,624,917</u>	<u>103,023,422</u>
18. Gross Elec Ener (MWH)	<u>634,000</u>	<u>6,287,000</u>	<u>32,781,440</u>
19. Net Elec Ener (MWH)	<u>599,820</u>	<u>5,901,460</u>	<u>30,536,213</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.9</u>	<u>54.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.9</u>	<u>54.5</u>
22. Unit Cap Factor (MDC Net)	<u>99.5</u>	<u>83.2</u>	<u>48.0</u>
23. Unit Cap Factor (DER Net)	<u>96.6</u>	<u>80.7</u>	<u>46.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.1</u>	<u>23.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>618.1</u>	<u>18,490.2</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
FIFTH REFUELING, MAY 19, 1986 - 93 DAYS.

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

X BEAVER VALLEY 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BEAVER VALLEY 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* BEAVER VALLEY 1 *

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

NONE

* SUMMARY *

BEAVER VALLEY OPERATED AT FULL POWER IN DECEMBER.

<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)

* BEAVER VALLEY 1 *

FACILITY DATA

Report Period DEC 1985

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 I'PUT PROVIDED.

ENFORCEMENT SUMMARY

CONTRARY TO THE BEAVER VALLEY PHYSICAL SECURITY PLAN, SECTION 3.2.1.6, AND SECURITY PROCEDURE 4.0, AN INDIVIDUAL WAS GRANTED PROTECTED AREA ACCESS AFTER BEING ISSUED THE WRONG SECURITY PICTURE BADGE.

TECH SPEC 6.8.1A REQUIRES THAT PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED COVERING THE APPLICABLE PROCEDURES REFERENCED IN APP A TO REG GUIDE 1.33, REV 2, FEBRUARY 1978. APP A OF REG GUIDE 1.33, REV, 2, 1978 REQUIRES PLANT PROCEDURES FOR CHANGING OPERATING MODES FROM COLD SHUTDOWN TO HOT STANDBY AND PERFORMING SURVEILLANCE TESTS. CALVERT CLIFFS OPERATING PROCEDURE OP-1, REV 26, "PLANT STARTUP FROM COLD SHUTDOWN" REQUIRES (GENERAL PRECAUTION I.E. AND INITIAL CONDITION II.A.4) THAT WHENEVER THE SHUTDOWN COOLING SYSTEM IS IN OPERATION, REACTOR COOLANT SYSTEM (RCS) PRESSURE SHALL NOT EXCEED 270 PSIA. CONTRARY TO THE ABOVE, AT 10:45 A.M. ON JUNE 2, 1985, UNIT 1 SHUTDOWN COOLING FLOW WAS LOST WHEN RCS PRESSURE WAS ALLOWED TO INCREASE ABOVE 284 PSIA WHICH, AS DESIGNED, CAUSED AUTOMATIC CLOSURE OF A SHUTDOWN COOLING RETURN ISOLATION VALVE. SECTION V OF CALVERT CLIFFS SURVEILLANCE TEST PROCEDURE STP M-220-2, REV 10, "ESFAS (ENGINEERED SAFETY FEATURES ACTUATION SYSTEM) FUNCTIONAL TEST," REQUIRES REMOVAL OF EACH REFUELING WATER TANK (RWT) LEVEL SWITCH CHANNEL, ONE AT A TIME, FOR TESTING. GENERAL PRECAUTION B OF THE STP EMPHASIZES THAT ONLY ONE CHANNEL IS TO BE AFFECTED BY THE TEST ("BE IN A TEST MODE") AT ANY ONE TIME. CONTRARY TO THE ABOVE ON

Report Period DEC 1985

REPORTS FROM LICENSEE

* BEAVER VALLEY 1 *

=====

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

NO INPUT PROVIDED.

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 59-155 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 69

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>199,531.0</u>
13. Hours Reactor Critical	<u>731.6</u>	<u>6,539.5</u>	<u>141,231.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>727.6</u>	<u>6,441.7</u>	<u>138,641.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>140,908</u>	<u>1,192,716</u>	<u>26,045,269</u>
18. Gross Elec Ener (MWH)	<u>45,360</u>	<u>383,936</u>	<u>8,241,188</u>
19. Net Elec Ener (MWH)	<u>42,847</u>	<u>362,428</u>	<u>7,792,163</u>
20. Unit Service Factor	<u>97.8</u>	<u>73.5</u>	<u>69.5</u>
21. Unit Avail Factor	<u>97.8</u>	<u>73.5</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>83.5</u>	<u>59.7</u>	<u>58.1*</u>
23. Unit Cap Factor (DER Net)	<u>80.0</u>	<u>57.5</u>	<u>54.2</u>
24. Unit Forced Outage Rate	<u>2.2</u>	<u>4.4</u>	<u>15.2</u>
25. Forced Outage Hours	<u>16.4</u>	<u>294.1</u>	<u>11,349.1</u>

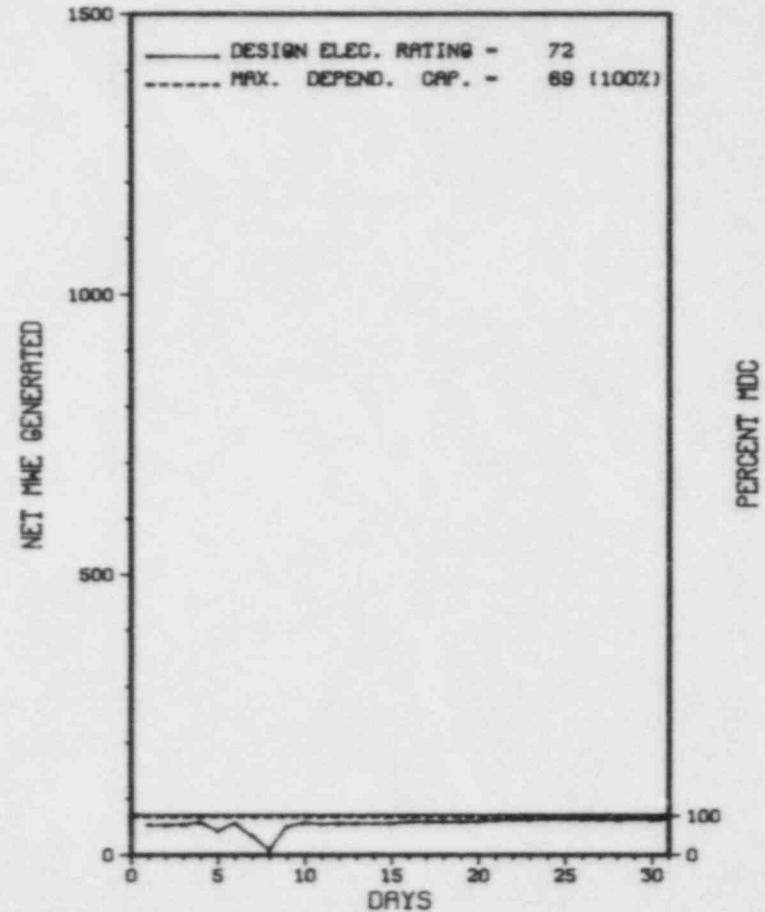
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BIG ROCK POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-09	12/05/85	F	0.0	H	5				TYPE: CONTROLLED POWER REDUCTION REASON: ENTRY INTO HIGH RADIATION AREA TO INVESTIGATION SYMPTOMS OF MINOR STEAM LEAK. LEAKAGE LOCATED.
85-10	12/07/85	F	0.0	H	5				TYPE: CONTROLLED POWER REDUCTION REASON: ENTRY INTO HIGH RADIATION AREA TO REPAIR STEAM LEAK.
85-11	12/07/85	F	16.4	H	2	85-09			OPERATORS MANUALLY SCRAMMED THE REACTOR DURING THE REACTOR DURING THE EFFORTS TO REPAIR THE IDENTIFIED STEAM LEAK. STEAM LEAK WAS REPAIRED AND UNIT RETURNED TO SERVICE.

 * SUMMARY *

 BIG ROCK POINT OPERATED WITH 2 REDUCTIONS AND 1 OUTAGE IN DECEMBER.

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

* BIG ROCK POINT 1 *

FACILITY DATA

Report Period DEC 1985

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.....T. ROTELLA
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

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period DEC 1985

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

* BIG ROCK POINT 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: DECEMBER 9 -13, 1985

INSPECTION REPORT NO: 85022

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
85-08	11/14/85	12/16/85	REACTOR TRIP - UPSCALE/DOWNSCALE

1. Docket: 50-259 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1065

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

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

11. Reasons for Restrictions, If Any: _____
NONE

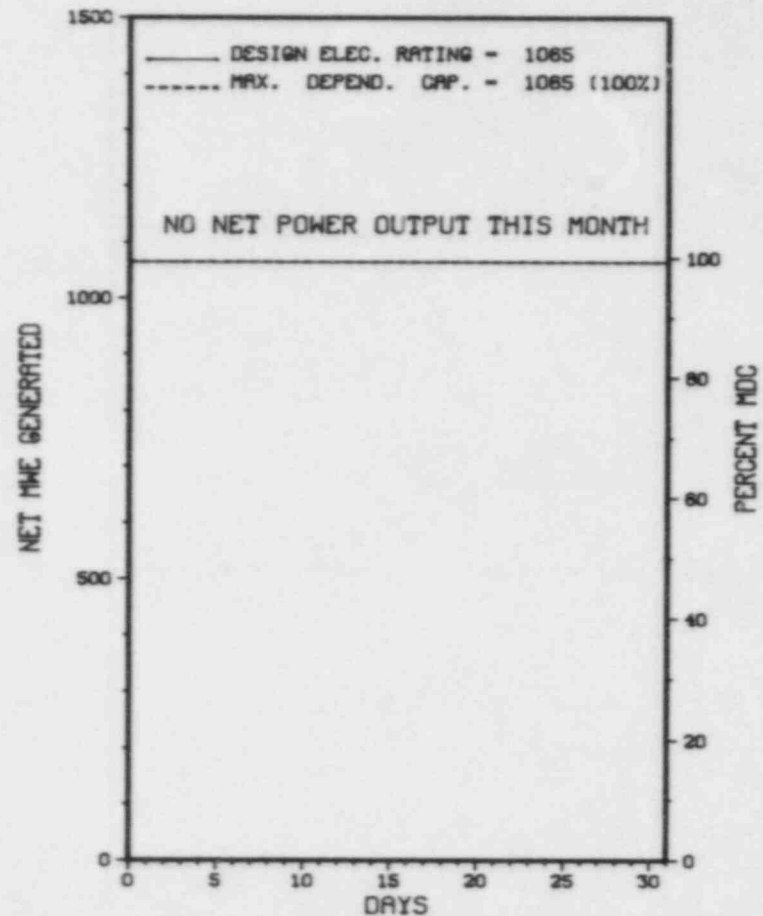
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>100,106.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,647.7</u>	<u>59,520.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>512.1</u>	<u>6,996.8</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,626.6</u>	<u>58,276.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,950,821</u>	<u>167,963,338</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,652,650</u>	<u>55,398,130</u>
19. Net Elec Ener (MWH)	<u>-3,581</u>	<u>1,543,188</u>	<u>53,717,009</u>
20. Unit Service Factor	<u>.0</u>	<u>18.6</u>	<u>58.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>18.6</u>	<u>58.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>16.5</u>	<u>50.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>16.5</u>	<u>50.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>55.1</u>	<u>23.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,996.4</u>	<u>18,041.1</u>

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

27. If Currently Shutdown Estimated Startup Date: 09/14/86

* BROWNS FERRY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* BROWNS FERRY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
315	06/01/85	S	744.0	C	4		RC	FUELXX	END OF CYCLE 6 REFUEL OUTAGE CONTINUES.

***** BROWNS FERRY 1 REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.
* 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* BROWNS FERRY 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

* INSPECTION NOVEMBER 12-14 (85-52): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 48 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 26 - NOVEMBER 20 (85-53): THIS ROUTINE INSPECTION INVOLVED 60 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE, CALIBRATION, AND ANNUAL EMERGENCY DRILL. ONE VIOLATION - TECHNICAL SPECIFICATION (TS) 4.1.A FOR FAILURE TO PERFORM MAIN STEAM LINE RADIATION DETECTOR CALIBRATION AS DEFINED IN TS.

INSPECTION NOVEMBER 18-22 (85-54): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE INSPECTING: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS - VITAL AREAS; AND COMMUNICATIONS. THE SECURITY LICENSING REVIEWER, OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS (NMSS) FOR THE BROWNS FERRY NUCLEAR PLANT ACCOMPANIED THE REGION II SECURITY INSPECTORS DURING INSPECTION ACTIVITIES ON NOVEMBER 20-22, 1985. THE NMSS LICENSING REVIEWER EVALUATED THE LICENSEE'S IMPLEMENTING PROCEDURES FOR THE CURRENTLY APPROVED PHYSICAL SECURITY PLAN AND THE MANAGERIAL SUPPORT PROVIDED THE SITE SECURITY PROGRAM. THERE WERE NO VIOLATIONS OF REGULATORY REQUIREMENTS IDENTIFIED IN THE 13 AREAS INSPECTED.

INSPECTION NOVEMBER 18-22 (85-55): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE RADIATION PROTECTION PROGRAM; TRAINING AND QUALIFICATION OF PERSONNEL; INTERNAL AND EXTERNAL EXPOSURE CONTROL;

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

* BROWNS FERRY 1 *

INSPECTION SUMMARY

RADIOACTIVE MATERIALS CONTROL; POSTING AND LABELING; AND PROGRAM FOR MAINTAINING EXPOSURES AS LOW AS REASONABLY ACHIEVABLE (ALARA). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 10 - NOVEMBER 1 (85-56): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 11 INSPECTOR-HOURS ON SITE IN THE AREAS OF DOCUMENT CONTROL, RECORDS AND LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

ENVIRONMENTAL QUALIFICATION WORK.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

SHUTDOWN FOR REPAIRS ON 03/19.

LAST IE SITE INSPECTION DATE: NOVEMBER 18-22, 1985 +

INSPECTION REPORT NO: 50-259/85-55 +

REPORTS FROM LICENSEE

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

NONE.

1. Docket: 50-260 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MHT): 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

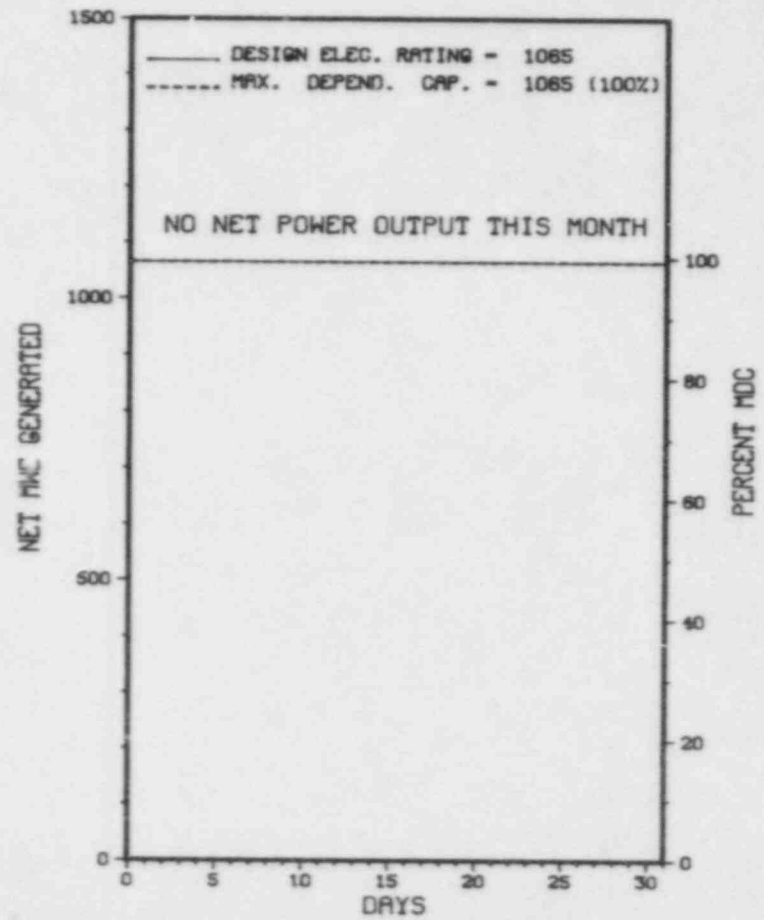
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>95,017.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>.0</u>	<u>55,859.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>14,200.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</u>	<u>54,338.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>153,245,167</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>.0</u>	<u>50,771,798</u>
19. Net Elec Ener (MWH)	<u>-5,459</u>	<u>-37,609</u>	<u>49,265,364</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>57.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>57.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>48.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>48.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>23.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>16,304.4</u>

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

27. If Currently Shutdown Estimated Startup Date: 06/01/86

* BROWNS FERRY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BROWNS FERRY 2



DECEMBER 1985

Report Period DEC 1985

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	744.0	C	4		RC	FUELXX	EOC-5 REFUEL OUTAGE CONTINUES.

***** BROWNS FERRY 2 REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.
* 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* BROWNS FERRY 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ALABAMA
COUNTY.....LIMESTONE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI NW OF
DECATUR, ALA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JULY 20, 1974
DATE ELEC ENER 1ST GENER...AUGUST 28, 1974
DATE COMMERCIAL OPERATE...MARCH 1, 1975
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...TENNESSEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 12-14 (85-52): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 48 INSPECTOR-HOURS ON SITE IN THE AREA OF AN EMERGENCY PREPAREDNESS EXERCISE. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 26 - NOVEMBER 20 (85-53): THIS ROUTINE INSPECTION INVOLVED 60 RESIDENT INSPECTOR-HOURS IN THE AREAS OF OPERATIONAL SAFETY, MAINTENANCE OBSERVATION, REPORTABLE OCCURRENCES, SURVEILLANCE, CALIBRATION, AND ANNUAL EMERGENCY DRILL. ONE VIOLATION - TECHNICAL SPECIFICATION (TS) 4.1.A FOR FAILURE TO PERFORM MAIN STEAM LINE RADIATION DETECTOR CALIBRATION AS DEFINED IN TS.

INSPECTION NOVEMBER 18-22 (85-54): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 21 INSPECTOR-HOURS ON SITE INSPECTING: SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; COMPENSATORY MEASURES; ACCESS CONTROL - PERSONNEL; ACCESS CONTROL - PACKAGES; ACCESS CONTROL - VEHICLES; DETECTION AIDS - PROTECTED AREA; DETECTION AIDS - VITAL AREAS; AND COMMUNICATIONS. THE SECURITY LICENSING REVIEWER, OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS (NMSS) FOR THE BROWNS FERRY NUCLEAR PLANT ACCOMPANIED THE REGION II SECURITY INSPECTORS DURING INSPECTION ACTIVITIES ON NOVEMBER 20-22, 1985. THE NMSS LICENSING REVIEWER EVALUATED THE LICENSEE'S IMPLEMENTING PROCEDURES FOR THE CURRENTLY APPROVED PHYSICAL SECURITY PLAN AND THE MANAGERIAL SUPPORT PROVIDED THE SITE SECURITY PROGRAM. THERE WERE NO VIOLATIONS OF REGULATORY REQUIREMENTS IDENTIFIED IN THE 13 AREAS INSPECTED.

INSPECTION NOVEMBER 18-22 (85-55): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 13 INSPECTOR-HOURS ON SITE DURING REGULAR HOURS INSPECTING THE RADIATION PROTECTION PROGRAM; TRAINING AND QUALIFICATION OF PERSONNEL; INTERNAL AND EXTERNAL EXPOSURE CONTROL;

1. Docket: 50-296 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: TED THOM (205) 729-3624

4. Licensed Thermal Power (Mht): 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>744.0</u>	<u>8,760.0</u>	<u>77,472.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>1,517.5</u>	<u>45,306.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>508.0</u>	<u>5,149.4</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>1,497.0</u>	<u>44,195.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>4,649,840</u>	<u>131,846,076</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>1,572,770</u>	<u>43,473,760</u>
19. Net Elec Ener (MWH)	<u>-4,603</u>	<u>1,468,012</u>	<u>42,134,673</u>
20. Unit Service Factor	<u>.0</u>	<u>17.1</u>	<u>57.0</u>
21. Unit Avail Factor	<u>.0</u>	<u>17.1</u>	<u>57.0</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>15.7</u>	<u>51.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>15.7</u>	<u>51.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>81.3</u>	<u>22.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>6,519.0</u>	<u>12,473.4</u>

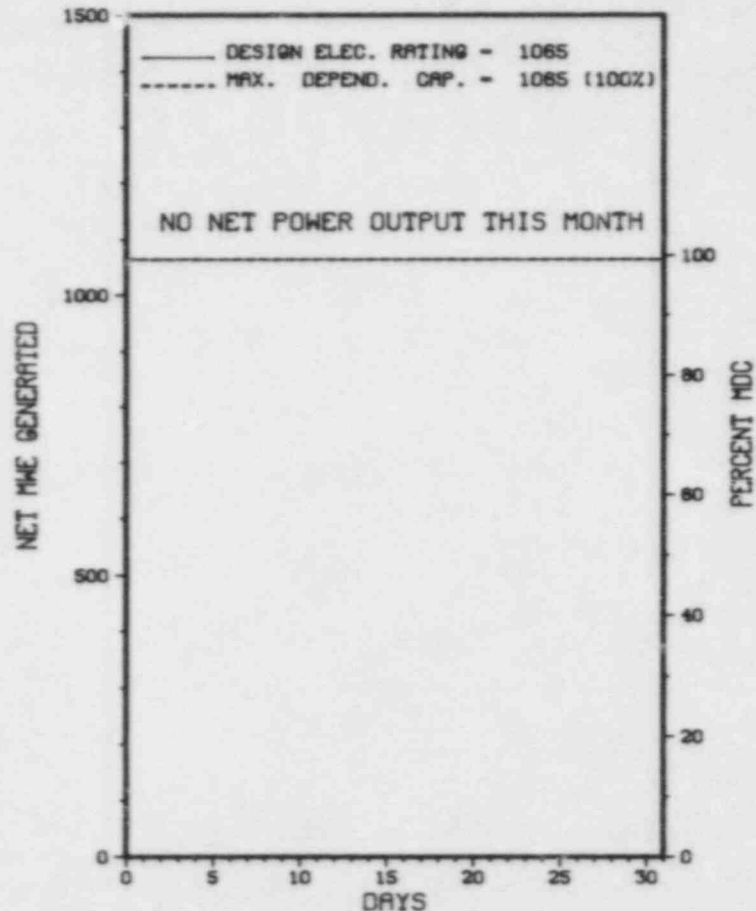
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 03/17/87

* BROWNS FERRY 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BROWNS FERRY 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

X BROWNS FERRY 3 X

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
157	03/15/85	S	744.0	C	9		RC	FUELXX	EOC-6 REFUEL OUTAGE BEGINS.

***** BROWNS FERRY 3 IS PRESENTLY IN A REFUELING AND MAINTENANCE OUTAGE.
* 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		

1. Docket: 50-325 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 815

8. Maximum Dependable Capacity (Net MWe): 790

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

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

11. Reasons for Restrictions, If Any: _____
NONE

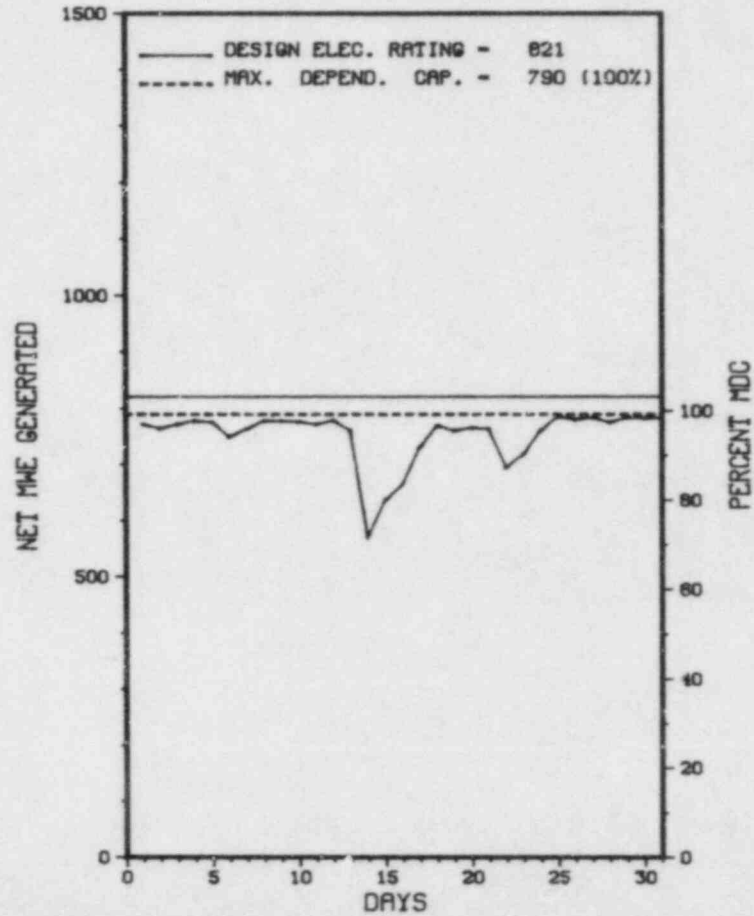
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>77,065.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>3,409.6</u>	<u>46,831.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,647.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>3,248.5</u>	<u>44,138.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (M'WH)	<u>1,738,439</u>	<u>6,057,467</u>	<u>90,106,655</u>
18. Gross Elec Ener (MWH)	<u>575,876</u>	<u>2,009,176</u>	<u>29,751,270</u>
19. Net Elec Ener (MWH)	<u>559,835</u>	<u>1,912,914</u>	<u>28,558,688</u>
20. Unit Service Factor	<u>100.0</u>	<u>37.1</u>	<u>57.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>37.1</u>	<u>57.3</u>
22. Unit Cap Factor (MDC Net)	<u>95.2</u>	<u>27.6</u>	<u>46.9</u>
23. Unit Cap Factor (DER Net)	<u>91.7</u>	<u>26.6</u>	<u>45.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.3</u>	<u>18.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>146.0</u>	<u>9,697.4</u>

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

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

* BRUNSWICK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
BRUNSWICK 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BRUNSWICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-012	12/06/85	F	0.0	A	5			REDUCED POWER TO 80% DUE TO INOPERABLE REED SWITCH POSITION 38 ON ROD 26-35 IN ORDER TO MOVE ROD TO OPERABLE REED SWITCH POSITION.
85-014	12/14/85	F	0.0	F	5			DECREASED POWER DUE TO HIGH DEAERATOR LEVEL AND LOW CONDENSATE BOOSTER PRESSURE ALARM.
85-018	12/22/85	S	0.0	B	5			REDUCED POWER FOR ROD IMPROVEMENT.

 * SUMMARY *

 BRUNSWICK 1 OPERATED WITH 3 REDUCTIONS IN DECEMBER.

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

* BRUNSWICK 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....P. O. BOX 1551
RALEIGH, NORTH CAROLINA 27602

CONTRACTOR
ARCHITECT/ENGINEER.....UNITED ENG. & CONSTRUCTORS
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BROWN & ROOT
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. RULAND
LICENSING PROJ MANAGER.....E. SYLVESTER
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 OCTOBER 2-4 AND NOVEMBER 13-15 (85-35): THIS SPECIAL ANNOUNCED INSPECTION ENTAILED 15 INSPECTOR-HOURS ON SITE AND 8 HOURS AT HARRIS ENERGY CENTER IN THE AREA OF FOLLOWUP ON PROBLEMS ASSOCIATED WITH SEVERAL UNIT 2 MAIN STEAM ISOLATION VALVES (MSIV) FAILURE TO CLOSE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 1-30 (85-38): THIS ROUTINE SAFETY INSPECTION INVOLVED 67 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, TMI ACTION PLAN ITEMS, PLANT START-UP FROM REFUELING, AND ONSITE FOLLOW-UP OF EVENTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period DEC 1985

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

* BRUNSWICK 1 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1985 +

INSPECTION REPORT NO: 50-325/85-38 +

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: 50-324 OPERATING STATUS
 2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
 3. Utility Contact: FRANCES HARRISON (919) 457-9521
 4. Licensed Thermal Power (MWT): 2436
 5. Nameplate Rating (Gross MWe): 963 X 0.9 = 867
 6. Design Electrical Rating (Net MWe): 821
 7. Maximum Dependable Capacity (Gross MWe): 815
 8. Maximum Dependable Capacity (Net MWe): 790
 9. If Changes Occur Above Since Last Report, Give Reasons:
NONE

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

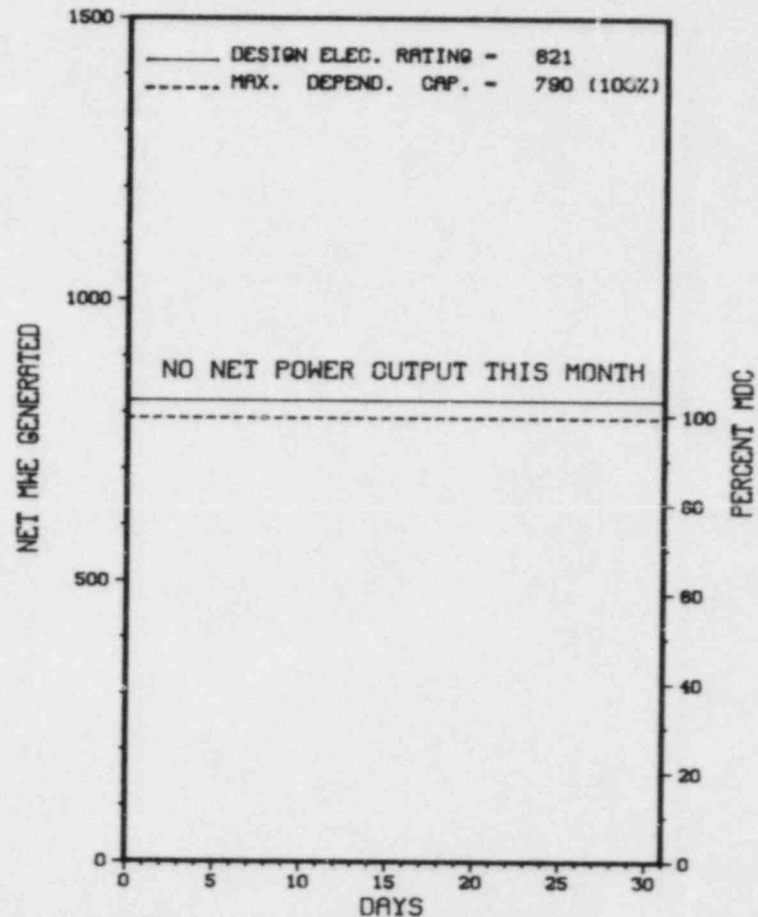
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>89,089.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>7,134.8</u>	<u>54,512.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,985.9</u>	<u>51,011.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>15,717,599</u>	<u>98,828,458</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,193,684</u>	<u>32,795,388</u>
19. Net Elec Ener (MWH)	<u>-4,493</u>	<u>5,017,415</u>	<u>31,437,689</u>
20. Unit Service Factor	<u>.0</u>	<u>79.7</u>	<u>57.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>79.7</u>	<u>57.3</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>72.5</u>	<u>44.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>69.8</u>	<u>43.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.4</u>	<u>17.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>722.1</u>	<u>10,870.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 05/31/86

 * BRUNSWICK 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 BRUNSWICK 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* BRUNSWICK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-078	11/30/85	S	744.0	C	4		RC	FUELXX	REFUELING/MAINTENANCE OUTAGE CONTINUES.

* SUMMARY *

BRUNSWICK 2 REMAINS SHUTDOWN FOR REFUELING AND MAINTENANCE.

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

* BRUNSWICK 2 *

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

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....W. RULAND
LICENSING PROJ MANAGER.....E. SYLVESTER
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 OCTOBER 2-4 AND NOVEMBER 13-15 (85-35): THIS SPECIAL ANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE AND 8 HOURS AT HARRIS ENERGY CENTER IN THE AREA OF FOLLOWUP ON PROBLEMS ASSOCIATED WITH SEVERAL UNIT 2 MAIN STEAM ISOLATION VALVES (MSIV) FAILURE TO CLOSE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 1-30 (85-38): THIS ROUTINE SAFETY INSPECTION INVOLVED 68 INSPECTOR-HOURS ON SITE IN THE AREAS OF MAINTENANCE OBSERVATION, SURVEILLANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, TMI ACTION PLAN ITEMS, PLANT START-UP FROM REFUELING, AND ONSITE FOLLOW-UP OF EVENTS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

Report Period DEC 1985

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

* BRUNSWICK 2 *

OTHER ITEMS

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

COLD SHUTDOWN REFUELING AND E.Q. MODIFICATIONS

LAST IE SITE INSPECTION DATE: NOVEMBER 1-30, 1985 +

INSPECTION REPORT NO: 50-324/85-38 +

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: 50-454 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. E. LANGAN (815) 234-5441 X2825

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1175

6. Design Electrical Rating (Net MWe): 1120

7. Maximum Dependable Capacity (Gross MWe): 1175

8. Maximum Dependable Capacity (Net MWe): 1129

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

10. Power Level To Which Restricted, If Any (Net MWe): 1075

11. Reasons for Restrictions, If Any: EXCESSIVE S/G MOISTURE CARRYOVER.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,569.0</u>	<u>2,569.0</u>
13. Hours Reactor Critical	<u>327.5</u>	<u>1,281.0</u>	<u>1,281.0</u>
14. Rx Reserve Shtdwn Hrs	<u>16.1</u>	<u>16.1</u>	<u>16.1</u>
15. Hrs Generator On-Line	<u>313.7</u>	<u>1,192.4</u>	<u>1,192.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>799,491</u>	<u>3,339,192</u>	<u>3,339,192</u>
18. Gross Elec Ener (MWH)	<u>256,082</u>	<u>1,088,590</u>	<u>1,088,590</u>
19. Net Elec Ener (MWH)	<u>232,386</u>	<u>1,012,898</u>	<u>1,012,898</u>
20. Unit Service Factor	<u>42.2</u>	<u>46.4</u>	<u>46.4</u>
21. Unit Avail Factor	<u>42.2</u>	<u>46.4</u>	<u>46.4</u>
22. Unit Cap Factor (MDC Net)	<u>27.7</u>	<u>34.9</u>	<u>34.9</u>
23. Unit Cap Factor (DER Net)	<u>27.9</u>	<u>35.2</u>	<u>35.2</u>
24. Unit Forced Outage Rate	<u>4.9</u>	<u>7.9</u>	<u>7.9</u>
25. Forced Outage Hours	<u>16.1</u>	<u>102.6</u>	<u>102.6</u>

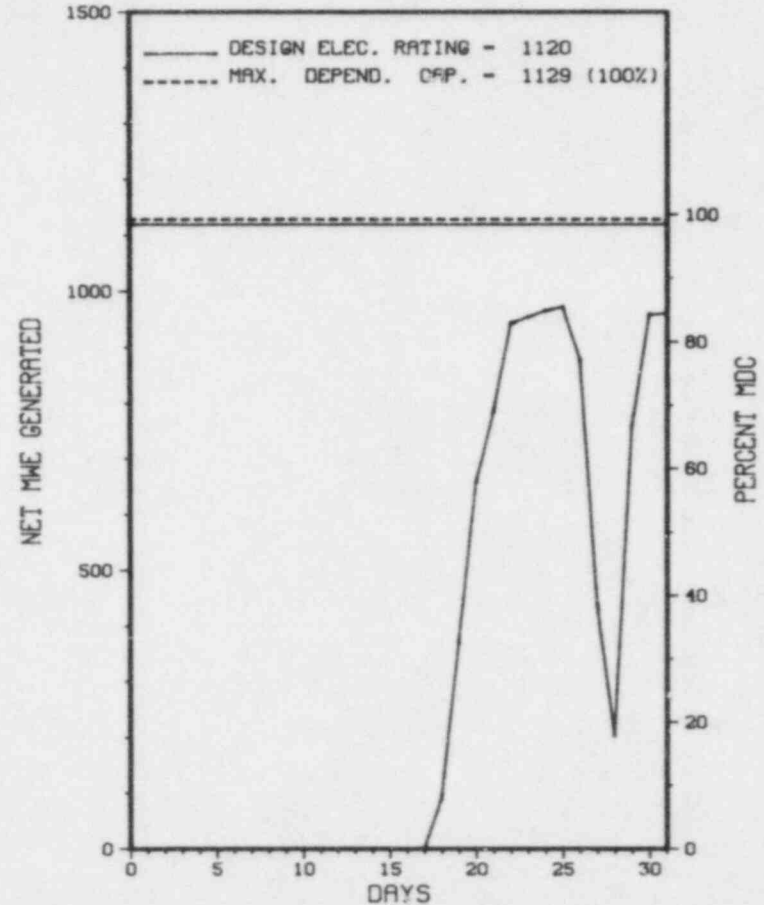
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* BYRON 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

BYRON 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * BYRON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
5	10/26/85	S	414.2	D	4				CONTINUED SCHEDULED OUTAGE FOR E.Q. MODIFICATIONS AND STEAM GENERATOR MODIFICATIONS.
6	12/26/85	F	0.0	A	5		MS	MSR	POWER REDUCTION DUE TO A GASKET LEAK ON MSR 2ND STAGE DRAIN TANK.
7	12/27/85	F	16.1	B	3	85-101-00	FW	LVLCH	AUTO TURBINE TRIP/REACTOR TRIP DUE TO HIGH LEVEL IN THE 1B STEAM GENERATOR. INSTRUMENT MECHANIC WAS PERFORMING MAINTENANCE ON A FEEDWATER FLOW LOOP PROVIDING INPUT INTO THE STEAM GENERATOR LEVEL CONTROL.

 * SUMMARY *

 BYRON 1 OPERATED WITH 2 OUTAGE AND 1 REDUCTION IN DECEMBER.

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

* BYRON 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS

COUNTY.....OGLE

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

TYPE OF REACTOR.....PWR

DATE INITIAL CRITICALITY...FEBRUARY 2, 1985

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

DATE COMMERCIAL OPERATE.... SEPTEMBER 16, 1985

CONDENSER COOLING METHOD...CC HNDCT

CONDENSER COOLING WATER...ROCK RIVER

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....COMMONWEALTH EDISON

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

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

NUC STEAM SYS SUPPLIER...WESTINGHOUSE

CONSTRUCTOR.....COMMONWEALTH EDISON

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....J. HINDS

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

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

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

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 1 - DECEMBER 3 (85047): ROUTINE, UNANNOUNCED SAFETY INSPECTION BY THE RESIDENT INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; IEBS; OPERATIONS SUMMARY; LERS; CONTAINMENT LOCAL LEAK RATE TESTS; SURVEILLANCE; MAINTENANCE; OPERATIONAL SAFETY; REGIONAL ADMINISTRATORS TOUR; MANAGEMENT MEETINGS AND OTHER ACTIVITIES. THE INSPECTION CONSISTED OF 145 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 24 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE SEVEN AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SIX AREAS; ONE VIOLATION WAS IDENTIFIED IN THE REMAINING AREA (FAILURE TO PERFORM A TECHNICAL SPECIFICATION SURVEILLANCE WITHIN THE REQUIRED TIME INTERVAL AND THE FAILURE TO FOLLOW A TECHNICAL SPECIFICATION ACTION REQUIREMENT). THE VIOLATION CITES THE FAILURE TO PERFORM A TECHNICAL SPECIFICATION SURVEILLANCE WITHIN THE REQUIRED TIME INTERVAL AND WITH NO OPERABLE D.C. BUS DUE TO THE MISSED SURVEILLANCE A TECHNICAL SPECIFICATION ACTION REQUIREMENT WAS NOT FOLLOWED; HOWEVER, THE D.C. BUSES WERE SUBSEQUENTLY FOUND TO BE OPERABLE WHEN THE SURVEILLANCE WAS PERFORMED; THEREFORE, THE PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED.

INSPECTION ON OCTOBER 28 THROUGH NOVEMBER 7 (85048): SPECIAL, ANNOUNCED INSPECTION OF THE LICENSEE'S PROGRAMS FOR MOTOR-OPERATED VALVE SETUP, MAINTENANCE, AND TESTING. THE INSPECTION INVOLVED A TOTAL OF 49 INSPECTOR-HOURS ONSITE AND 12 INSPECTOR-HOURS OFFSITE BY ONE NRC INSPECTOR. IN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO CONTROL MOTOR-OPERATED VALVE SETUP, MAINTENANCE, AND TESTING PER DESIGN REQUIREMENTS).

INSPECTION ON NOVEMBER 21-22 (85050; 85036): UNANNOUNCED SPECIAL SAFETY INSPECTION OF CONSTRUCTION APPRAISAL TEAM (CAT) FINDINGS.
PAGE 2-042

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

* BYRON 1 *

INSPECTION SUMMARY

THE NRC INSPECTION INVOLVED A TOTAL OF 11 INSPECTOR-HOURS BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON DECEMBER 2-5, (85054): INCLUDED A REVIEW OF A SECURITY INCIDENT INVOLVING A VITAL AREA (VA) BARRIER DEGRADATION THAT OCCURRED BETWEEN NOVEMBER 4 AND NOVEMBER 30, 1985. THE INSPECTION INVOLVED 56 HOURS ONSITE AND IN THE REGION III OFFICE BY TWO NRC INSPECTORS. BASED ON THIS INSPECTION, TWO APPARENT VIOLATIONS WERE IDENTIFIED: ACCESS CONTROLS - PERSONNEL: LICENSEE FAILED TO ADEQUATELY CONTROL ACCESS TO A VITAL AREA FOR 26 DAYS BECAUSE OF A DEGRADED PHYSICAL BARRIER WHICH WAS NOT MONITORED. RECORDS AND REPORTS: THE LICENSEE FAILED TO REPORT TO THE NRC A MAJOR LOSS OF SECURITY EFFECTIVENESS, UNCOMPENSATED FOR, WITHIN THE ONE HOUR REQUIREMENT SPECIFIED IN 10 CFR 73.71(C). THE EVENT WAS REPORTED LATE.

INSPECTION ON DECEMBER 2-6 (85055; 85045): ROUTINE, ANNOUNCED INSPECTION TO REVIEW LICENSEE'S TEST PROCEDURES, ADMINISTRATIVE PROCEDURES AND PRACTICES, AND PERSONNEL QUALIFICATIONS AND STAFFING FOR THE UNIT 2 TEST PROGRAM FOR THE PURPOSES OF DETERMINING WHETHER APPROPRIATE MECHANISMS ARE IN PLACE TO PROVIDE A TRANSFER OF EXPERIENCE FROM THE UNIT 1 TEST PROGRAM AND TO PERFORM A COMPLETE, ACCURATE, AND SUCCESSFUL TEST PROGRAM ON UNIT 2. THE INSPECTION INVOLVED 95 INSPECTOR-HOURS ONSITE BY THREE INSPECTORS. OF THE THREE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN ONE OF THE AREAS (FAILURE TO SPECIFY APPROPRIATE ACCEPTANCE CRITERIA).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

MISLEADING INFORMATION WAS PROVIDED TO THE NRC FOLLOWING MULTIPLE ROD DROPS WHICH CONTRIBUTED TO THE DELAY OF CORRECTING THE ROOT CAUSE TO THE PROBLEM. LICENSEE ACTION IS NECESSARY TO ENSURE THEIR EXISTING PROGRAMS FOR TROUBLESHOOTING OPERATIONAL OCCURRENCES ARE UTILIZED EFFECTIVELY AND TO ENSURE LICENSEE MANAGEMENT IS AWARE OF THE TRUE EXTENT OF THESE CORRECTIVE ACTIONS.

PLANT STATUS:

ON 1/5/86, THE LICENSEE SUCCESSFULLY COMPLETED A MOISTURE CARRYOVER TEST, CARRYOVER WAS MEASURED AT 0.208%. THE UNIT HAD BEEN LIMITED TO 92% POWER SINCE 9/12/85 BECAUSE OF EXCESSIVE MOISTURE CARRYOVER AND SUBSEQUENT MODIFICATIONS WERE MADE TO THE STEAM GENERATOR MOISTURE SEPARATORS DURING AN OUTAGE IN NOVEMBER. THE UNIT IS STILL LIMITED TO 97.7% POWER DUE TO LOW FLOW TO THE 1A STEAM GENERATOR UPPER FEEDWATER NOZZLE. THE NSSF SUPPLIER WILL BE ONSITE 1/14/86 TO CONTINUE THE INVESTIGATION OF THAT PROBLEM.

LAST IE SITE INSPECTION DATE: JANUARY 27 - 30, 1986

INSPECTION REPORT NO: 86004

Report Period DEC 1985

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

* BYRON 1 *

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-95	11/07/85	12/05/85	INADVERTENT ESF ACTUATION OF 1A DIESEL GENERATOR DURING TESTING DUE TO PROCEDURE ERROR

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: ROB GOODENOW (314) 676-8460

4. Licensed Thermal Power (MWh): 3411

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

6. Design Electrical Rating (Net MWe): 1171

7. Maximum Dependable Capacity (Gross MWe): 1174

8. Maximum Dependable Capacity (Net MWe): 1120

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

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>744.0</u>	<u>8,760.0</u>	<u>9,062.5</u>
13. Hours Reactor Critical	<u>697.2</u>	<u>8,161.0</u>	<u>8,463.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>676.0</u>	<u>7,884.9</u>	<u>8,187.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,212,562</u>	<u>24,925,969</u>	<u>25,927,494</u>
18. Gross Elec Ener (MWH)	<u>760,607</u>	<u>8,474,763</u>	<u>8,813,943</u>
19. Net Elec Ener (MWH)	<u>723,984</u>	<u>8,045,764</u>	<u>8,368,787</u>
20. Unit Service Factor	<u>90.9</u>	<u>90.0</u>	<u>90.3</u>
21. Unit Avail Factor	<u>90.9</u>	<u>90.0</u>	<u>90.3</u>
22. Unit Cap Factor (MDC Net)	<u>86.9</u>	<u>82.0</u>	<u>82.5</u>
23. Unit Cap Factor (DER Net)	<u>83.1</u>	<u>78.4</u>	<u>78.9</u>
24. Unit Forced Outage Rate	<u>9.1</u>	<u>6.4</u>	<u>6.2</u>
25. Forced Outage Hours	<u>68.0</u>	<u>536.8</u>	<u>536.8</u>

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

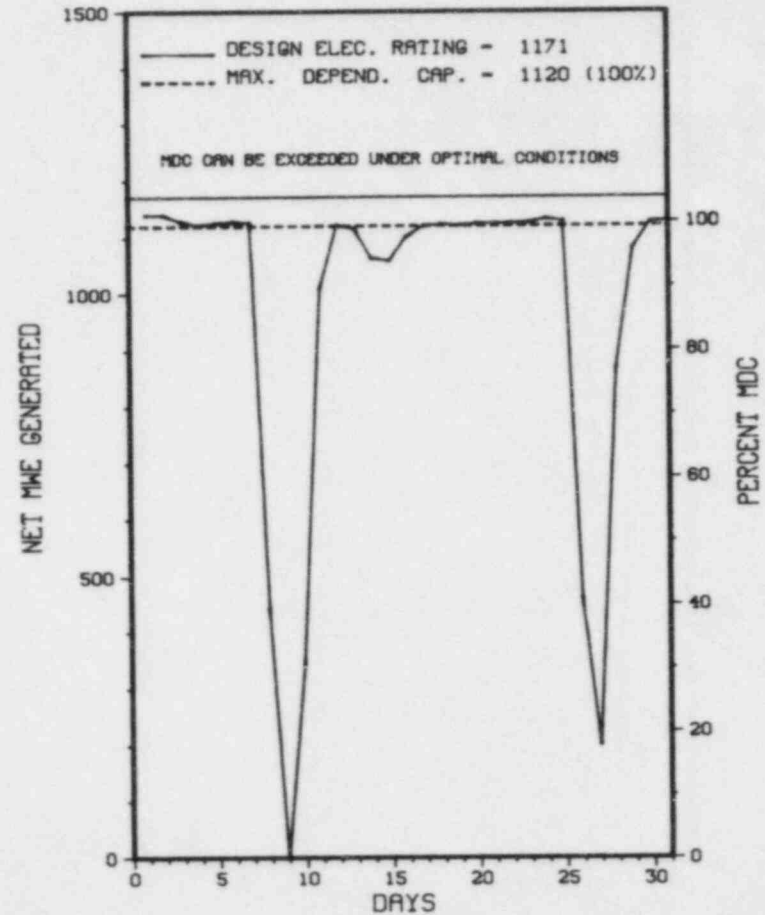
REFUEL 2/28/86, APPROXIMATELY 42 DAYS.

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

*****X*****
 * CALLAWAY 1 *
 *****X*****

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALLAWAY 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CALLAWAY 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
28	12/08/85	F	43.0	A	3				HIGH NEGATIVE RATE REACTOR TRIP DURING POWER REDUCTION DUE TO LOSS OF "A" MAIN FEED PUMP. LER 85-051-00
29	12/14/85	S	0.0	B	5				REPAIR LEAKS ON "A" HIGH PRESS FEEDWATER HEATERS.
30	12/26/85	F	25.0	A	3				REACTOR TRIP DUE TO SPURIOUS TO DELTA "T" ON LOOP I WHILE LOOP III IN TEST. LER 85-054-00

 * SUMMARY *

 CALLAWAY OPERATED WITH 2 OUTAGES AND 1 REDUCTION IN DECEMBER.

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

* CALLAWAY 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MISSOURI
COUNTY.....CALLAWAY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
FULTON, MO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 2, 1984
DATE ELEC ENER 1ST GENER...OCTOBER 24, 1984
DATE COMMERCIAL OPERATE...DECEMBER 19, 1984
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...MISSOURI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....B. LITTLE
LICENSING PROJ MANAGER....T. ALEXION
DOCKET NUMBER.....50-483
LICENSE & DATE ISSUANCE...NPF-30, OCTOBER 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 OCTOBER 21 THROUGH NOVEMBER 8 (85022): SPECIAL INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND MAINTENANCE ACTIVITIES. THE INSPECTION INVOLVED 85 INSPECTOR-HOURS ONSITE. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period DEC 1985

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

* CALLAWAY 1 *

OTHER ITEMS

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 13 - 16, 1986

INSPECTION REPORT NO: 86001

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
-----
85-49   11/11/85  12/11/85  REACTOR TRIP DUE TO EQUIPMENT FAILURE INADVERTENT ENGINEERED SAFETY FEATURES ACTUATION
85-50   11/27/85  12/27/85
=====

```

1. Docket: 50-317 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: H. PORTER (301) 260-4747

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, I Any (Net MWe):

11. Reasons for Restrictions, If Any:
NONE

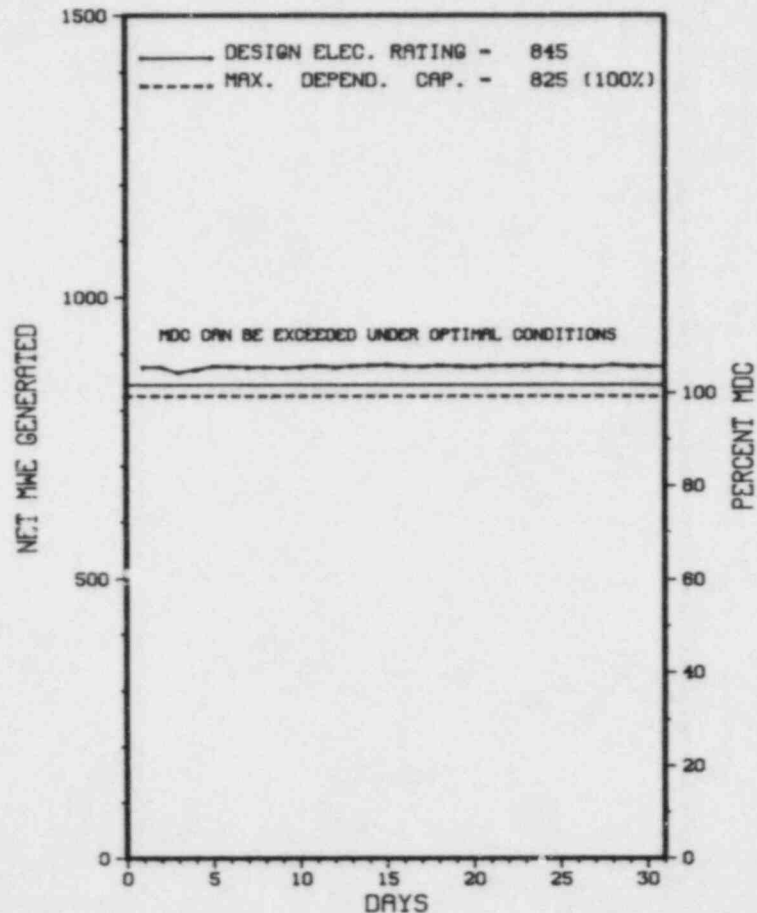
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>93,373.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,367.6</u>	<u>72,865.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>314.3</u>	<u>2,299.2</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,188.7</u>	<u>71,359.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,996,788</u>	<u>13,541,456</u>	<u>177,324,193</u>
18. Gross Elec Ener (MWH)	<u>680,017</u>	<u>4,559,397</u>	<u>58,602,777</u>
19. Net Elec Ener (MWH)	<u>652,518</u>	<u>4,359,735</u>	<u>55,916,302</u>
20. Unit Service Factor	<u>100.0</u>	<u>59.2</u>	<u>76.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>59.2</u>	<u>76.4</u>
22. Unit Cap Factor (MDC Net)	<u>106.3</u>	<u>60.3</u>	<u>73.1*</u>
23. Unit Cap Factor (DER Net)	<u>103.8</u>	<u>58.9</u>	<u>70.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.7</u>	<u>8.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>314.5</u>	<u>6,295.1</u>

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

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

* CALVERT CLIFFS 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
CALVERT CLIFFS 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* CALVERT CLIFFS 1 *

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

NONE

* SUMMARY *

CALVERT CLIFFS 1 OPERATED AT FULL POWER IN DECEMBER.

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

* CALVERT CLIFFS 1 *

FACILITY DATA

Report Period DEC 1985

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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period DEC 1985

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

* CALVERT CLIFFS 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: 50-318 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: H. PORTER (301) 260-4747

4. Licensed Thermal Power (Mwt): 2700

5. Nameplate Rating (Gross MWe): 1012 X C 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>744.0</u>	<u>8,760.0</u>	<u>76,728.0</u>
13. Hours Reactor Critical	<u>551.3</u>	<u>6,884.2</u>	<u>63,442.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>292.6</u>	<u>1,260.9</u>
15. Hrs Generator On-Line	<u>488.5</u>	<u>6,792.0</u>	<u>62,410.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,082,986</u>	<u>17,761,099</u>	<u>156,482,035</u>
18. Gross Elec Ener (MWH)	<u>365,787</u>	<u>5,863,356</u>	<u>51,521,559</u>
19. Net Elec Ener (MWH)	<u>347,487</u>	<u>5,608,047</u>	<u>49,150,255</u>
20. Unit Service Factor	<u>65.7</u>	<u>77.5</u>	<u>81.3</u>
21. Unit Avail Factor	<u>65.7</u>	<u>77.5</u>	<u>81.3</u>
22. Unit Cap Factor (MDC Net)	<u>56.6</u>	<u>77.6</u>	<u>77.9*</u>
23. Unit Cap Factor (DER Net)	<u>55.3</u>	<u>75.8</u>	<u>75.8</u>
24. Unit Forced Outage Rate	<u>4.0</u>	<u>5.6</u>	<u>6.0</u>
25. Forced Outage Hours	<u>20.5</u>	<u>404.9</u>	<u>4,001.8</u>

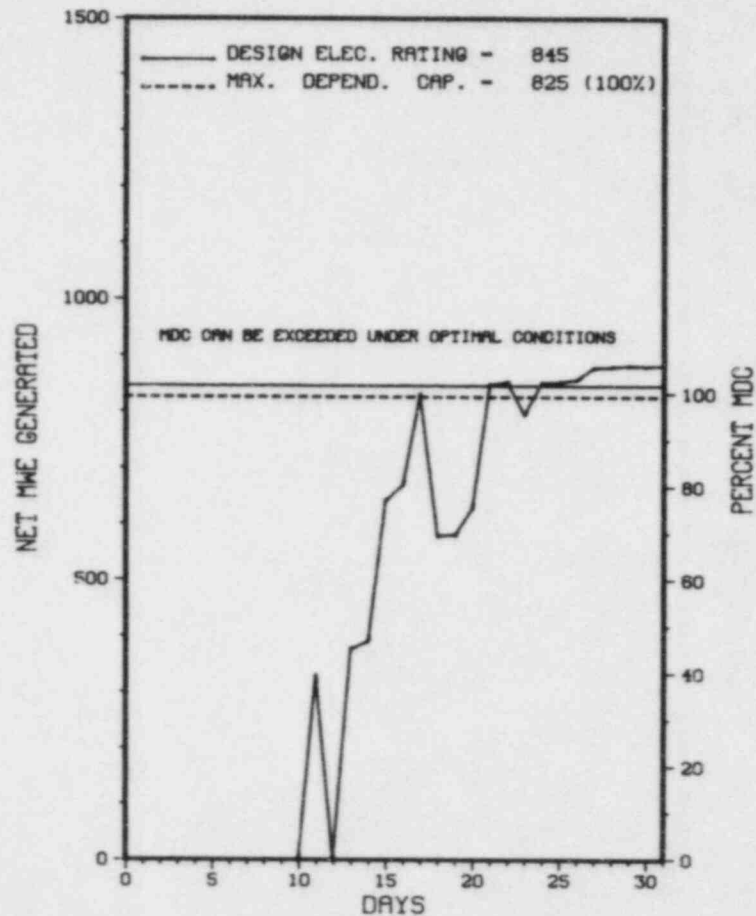
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* CALVERT CLIFFS 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CALVERT CLIFFS 2



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CALVERT CLIFFS 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-15	10/19/85	S	235.0	C	4		RC	FUELXX	SIXTH SCHEDULED REFUELING CONCLUDES.
85-16	12/12/85	F	20.5	A	3	85-14	CH	INSTRU	21 SGFP CONTROL HIGH SIGNAL SELECTOR FAILED CAUSING THE PUMP TO TRIP RESULTING IN A LOW LEVEL STEAM GENERATOR TRIP.
85-17	12/16/85	S	0.0	B	5		CH	INSTRU	ADJUSTMENTS TO NEW CONTROL SYSTEM ON 21 SGFP.
85-18	12/17/85	S	0.0	B	5		CH	MECFUN	REPAIRS ON 22 SGFP COUPLING.

 * SUMMARY *

 CALVERT CLIFFS 1 COMPLETED REFUELING AND OPERATED WITH 1 ADDITIONAL OUTAGE AND 2 REDUCTIONS IN DECEMBER.

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

* CALVERT CLIFFS 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period DEC 1985

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)

* CALVERT CLIFFS 2 *

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: 50-413 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1205

6. Design Electrical Rating (Net MWe): 1145

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1145

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>744.0</u>	<u>4,465.0</u>	<u>4,465.0</u>
13. Hours Reactor Critical	<u>696.3</u>	<u>3,612.4</u>	<u>3,612.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>691.1</u>	<u>3,515.7</u>	<u>3,515.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,868,354</u>	<u>10,690,180</u>	<u>10,690,180</u>
18. Gross Elec Ener (MWH)	<u>648,600</u>	<u>3,684,269</u>	<u>3,684,269</u>
19. Net Elec Ener (MWH)	<u>606,162</u>	<u>3,440,514</u>	<u>3,440,514</u>
20. Unit Service Factor	<u>92.9</u>	<u>78.7</u>	<u>78.7</u>
21. Unit Avail Factor	<u>92.9</u>	<u>78.7</u>	<u>78.7</u>
22. Unit Cap Factor (MDC Net)	<u>71.2</u>	<u>67.3</u>	<u>67.3</u>
23. Unit Cap Factor (DER Net)	<u>71.2</u>	<u>67.3</u>	<u>67.3</u>
24. Unit Forced Outage Rate	<u>7.1</u>	<u>21.3</u>	<u>21.3</u>
25. Forced Outage Hours	<u>52.9</u>	<u>949.3</u>	<u>949.3</u>

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

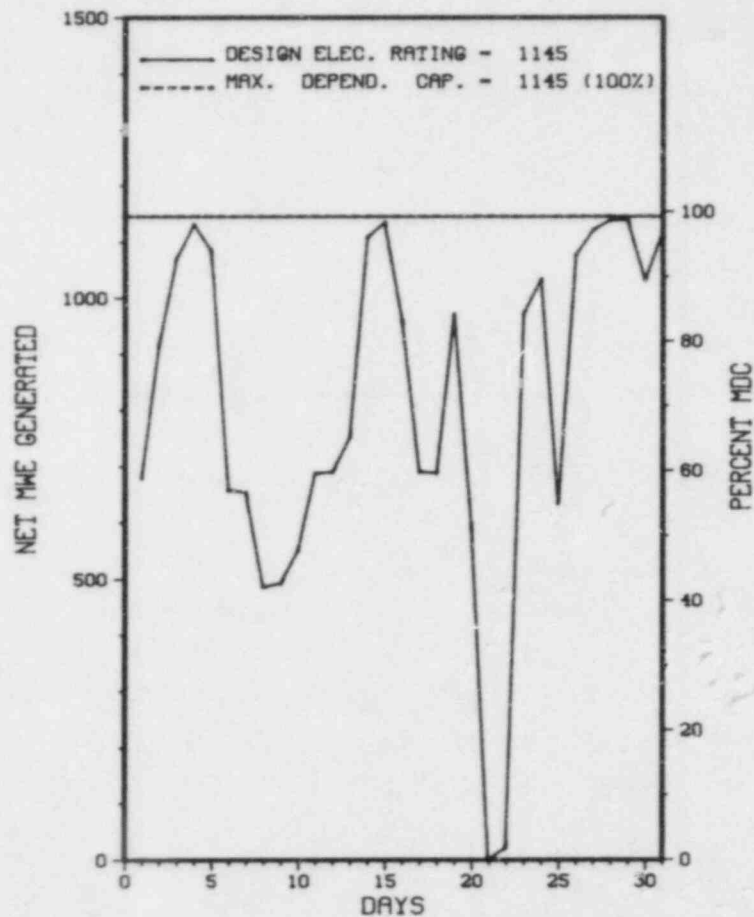
_____ NONE _____

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

 * CATAWBA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CATAWBA 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CATAWBA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
56-P	12/19/85	F	0.0	A	5		CP	PUMPXX	HIGH FEEDWATER PUMP 1B OUTBOARD BEARING TEMPERATURE.
57-P	12/19/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B OUTBOARD BEARING TEMPERATURE.
7	12/20/85	F	52.9	A	3		CH	VALVEX	FEEDWATER REG. VALVE FAILURE (1CF28) (RX TRIP ON LO LO S/G LEVEL).
53-P	12/23/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B INBOARD JOURNAL BEARING TEMPERATURE.
59-P	12/24/85	F	0.0	A	5		CH	VALVEX	FEEDWATER REG. VALVE FAILURE (1CF28).
60-P	12/26/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B INBOARD JOURNAL BEARING TEMPERATURE.
61-P	12/27/85	S	0.0	B	5		CC	VALVEX	CONTROL VALVE MOVEMENT TEST.
62-P	12/30/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B INBOARD JOURNAL BEARING TEMPERATURE.
63-P	12/30/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B INBOARD BEARING TEMPERATURE.
64-P	12/31/85	F	0.0	A	5		CH	PUMPXX	HIGH FEEDWATER PUMP 1B INBOARD JOURNAL BEARING TEMPERATURE.

 * SUMMARY *

 CATAWBA 1 OPERATED WITH 1 OUTAGE AND NUMEROUS REDUCTIONS LISTED IN DETAIL ABOVE.

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

* CATAWBA 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...6 MI NNW OF
ROCK HILL, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 7, 1985
DATE ELEC ENER 1ST GENER...JANUARY 22, 1985
DATE COMMERCIAL OPERATE...JUNE 29, 1985
CONDENSER COOLING METHOD...MDCT
CONDENSER COOLING WATER...LAKE WYLIE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. SKINNER
LICENSING PROJ MANAGER.....K. JABBOUR
DOCKET NUMBER.....50-413
LICENSE & DATE ISSUANCE....NPF-35, JANUARY 17, 1985.
PUBLIC DOCUMENT ROOM.....YORK COUNTY LIBRARY
138 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 26 - NOVEMBER 25 (85-48): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 54 INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP OF LICENSEE AND NRC IDENTIFIED ITEMS; MANAGEMENT MEETING; PLANT OPERATIONS; SURVEILLANCE OBSERVATION; AND MAINTENANCE OBSERVATION. ONE VIOLATION WAS IDENTIFIED - FAILURE TO FOLLOW TECHNICAL SPECIFICATION 3.0.4 FOR CHANGING PLANT MODES.

INSPECTION DECEMBER 2-6 (85-53): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 21 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS (92701B), HOUSEKEEPING (54834B), MATERIAL IDENTIFICATION AND CONTROL (42902B), MATERIAL CONTROL (42940B), AND LICENSEE IDENTIFIED ITEMS AND INSPECTOR FOLLOWUP ITEMS (92701B). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* CATAWBA 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NCNE.

LAST IE SITE INSPECTION DATE: DECEMBER 2-6, 1985 +

INSPECTION REPORT NO: 50-413/85-53 +

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
-----
NONE.
=====

```

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: W. T. GILLET (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>744.0</u>	<u>8,760.0</u>	<u>96,432.0</u>
13. Hours Reactor Critical	<u>433.0</u>	<u>2,595.6</u>	<u>48,299.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>463.0</u>
15. Hrs Generator On-Line	<u>421.8</u>	<u>2,491.1</u>	<u>66,852.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>321.0</u>
17. Gross Therm Ener (MWH)	<u>1,109,907</u>	<u>6,826,179</u>	<u>194,995,653</u>
18. Gross Elec Ener (MWH)	<u>357,770</u>	<u>2,205,650</u>	<u>63,977,540</u>
19. Net Elec Ener (MWH)	<u>342,661</u>	<u>2,116,062</u>	<u>61,547,157</u>
20. Unit Service Factor	<u>56.7</u>	<u>28.4</u>	<u>70.7</u>
21. Unit Avail Factor	<u>56.7</u>	<u>28.4</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>45.2</u>	<u>23.7</u>	<u>63.9</u>
23. Unit Cap Factor (DCR Net)	<u>44.7</u>	<u>23.5</u>	<u>61.4</u>
24. Unit Forced Outage Rate	<u>43.3</u>	<u>15.1</u>	<u>7.8</u>
25. Forced Outage Hours	<u>322.2</u>	<u>443.5</u>	<u>4,942.9</u>

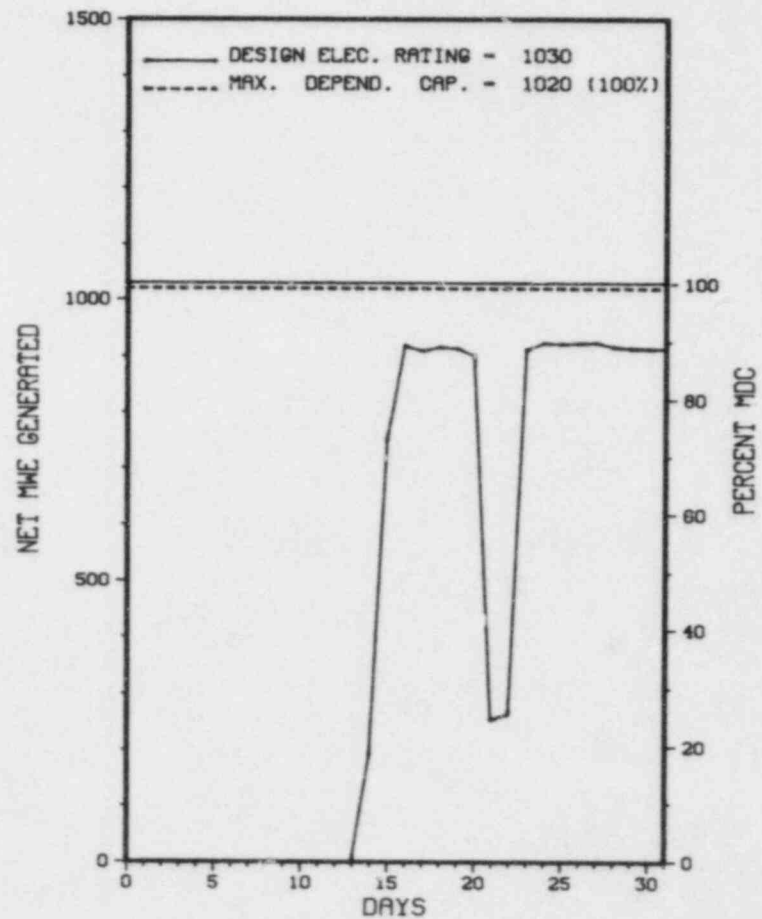
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

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

* COOK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
248	11/25/85	F	322.2	B	4	85-065-0	ZZ	ZZZZZZ	THE UNIT BEGAN THE MONTH IN MODE 5, COLD SHUTDOWN, WITH THE RCS DRAINED TO HALF LOOP TO REPAIR A LEAK ON R.C. PUMP NO. 12 MAIN FLANGE. THE REPAIR WAS ACCOMPLISHED BY RETORQUING THE FLANGE BOLTS. THE UNIT WAS RETURNED TO SERVICE ON 851214 AT 1013 HOURS.
249	12/20/85	S	0.0	A	5		HJ	PIPEXX	REACTOR POWER WAS REDUCED TO 20% TO FACILITATE REPAIRS OF THROUGH WALL STEAM LEAKS IN THE MOISTURE SEPARATOR SHELL DRAIN LINES TO FEEDWATER HEATERS 5A AND 5B. REACTOR POWER WAS RETURNED TO 90% ON 851223.

 * SUMMARY *

 COOK 1 RETURNED ONLINE FROM MAINTENANCE ON DECEMBER 14TH AND OPERATED WITH 1 REDUCTION DURING 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)

* COOK 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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 NOVEMBER 4 THROUGH 8 (85032): SPECIAL ASSESSMENT OF LICENSED AND NONLICENSED OPERATOR TRAINING, INCLUDING TRAINING FACILITIES, LICENSED OPERATOR REQUALIFICATION, NONLICENSED ACTIVITY TRAINING, STATUS OF ATTAINING INPO ACCREDITATION FOR NONLICENSED OPERATOR TRAINING, AND QUALITY ASSURANCE OVERSIGHT OF TRAINING. THE ASSESSMENT INVOLVED A TOTAL OF 69 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE FIVE AREAS EXAMINED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 22 THROUGH NOVEMBER 7 (85033): ROUTINE UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND DOCUMENT CONTROL. THE INSPECTION INVOLVED A TOTAL OF 96 INSPECTOR-HOURS ONSITE. TWO VIOLATIONS WERE IDENTIFIED IN THE THREE AREAS (FAILURE TO PROVIDE PROPER CORRECTIVE ACTION AND FAILURE TO FOLLOW PROCEDURES IN THE CONTROL OF DESIGN DOCUMENTS).

INSPECTION 85035 REFERS TO THE SPECIAL SAFETY INSPECTION CONDUCTED BY THE NRC AUGMENT INCIDENT RESPONSE TEAM ON OCTOBER 29, 1985 THRU NOVEMBER 8, 1985 RELATING TO THE FAILURE OF A UNIT 2 REACTOR TRIP BREAKER TO ACTUATE DURING A UNIT 2 TRIP ON OCTOBER 29, 1985.

INSPECTION ON NOVEMBER 18-21, (85037): ROUTINE, ANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND COMPARISON OF LICENSEE ANALYSES WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) CHEMISTRY AND RADIOCHEMISTRY, INCLUDING LABORATORY FACILITIES AND COUNTING ROOM; (3) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS; AND (4) REVIEW OF CORRECTIVE ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS.

OTHER ITEMS

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUAYR 13 - 16, 1986

INSPECTION REPORT NO: 86003

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
-----
85-57   10/25/85  11/25/85  REACTOR TRIP SIGNAL
85-59   11/04/85  12/04/85  ESF ACTUATION - REACTOR TRIP SIGNAL
85-60   11/11/85  12/11/85  ESF ACTUATION SAFETY INJECTION
85-61   11/16/85  12/12/85  MISSED FIRE WATCH TOUR
85-62   11/17/85  12/16/85  ESF ACTUATION
85-63   11/17/85  12/17/85  MAIN STEAM FLOW TRANSMITTERS INOPERABLE
85-64   11/23/85  12/23/85  FAILURE TO VERIFY POWER RANGE NUCLEAR INSTRUMENTATION TIME CONSTANTS
=====
```

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-316 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>70,128.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,948.8</u>	<u>49,028.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,855.0</u>	<u>47,853.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,019,347</u>	<u>18,192,545</u>	<u>153,674,452</u>
18. Gross Elec Ener (MWH)	<u>651,340</u>	<u>5,901,160</u>	<u>49,686,410</u>
19. Net Elec Ener (MWH)	<u>625,333</u>	<u>5,683,634</u>	<u>47,901,350</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.8</u>	<u>70.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.8</u>	<u>70.7</u>
22. Unit Cap Factor (MDC Net)	<u>79.3</u>	<u>61.2</u>	<u>66.9</u>
23. Unit Cap Factor (DER Net)	<u>76.4</u>	<u>59.0</u>	<u>65.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>33.2</u>	<u>15.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>2,905.0</u>	<u>8,965.5</u>

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

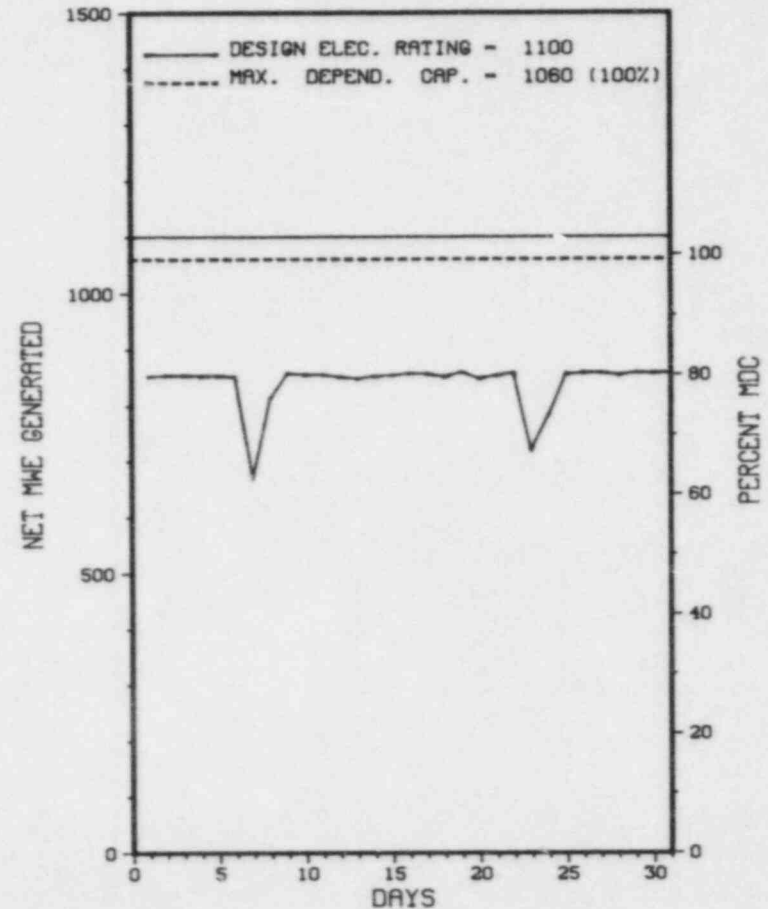
REFUELING OUTAGE: 3/1/86 - 90 DAYS.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 X COOK 2 X
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOK 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * COOK 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
167	12/07/85	F	0.0	B	5		HH	HTEXCH	REACTOR POWER WAS REDUCED TO 52% TO REMOVE THE MAIN FEED PUMPS FROM SERVICE, ONE AT A TIME, TO CHECK THE MAIN FEED PUMP TURBINE CONDENSERS FOR TUBE LEAKS. ONE LEAKING TUBE WAS PLUGGED IN THE EAST MAIN FEED PUMP TURBINE CONDENSER. REACTOR POWER WAS RETURNED TO 80% ON 851208.
168	12/23/85	F	0.0	B	5		HF	HTEXCH	REACTOR POWER WAS REDUCED TO 56% TO REMOVE THE MAIN FEED PUMPS FROM SERVICE, ONE AT A TIME, TO CLEAN THE FEED PUMP TURBINE CONDENSER WATER BOXES. REACTOR POWER WAS RETURNED TO 80% ON 851224.

 * SUMMARY *

 COOK 2 OPERATED WITH 2 REDUCTIONS IN DECEMBER.

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

* COOK 2 *

FACILITY DATA

Report Period DEC 1985

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 PALENKE MEMORIAL LIBRARY
500 MARKET STREET
ST. JOSEPH, MICHIGAN 49085

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 4 THROUGH 8 (85032): SPECIAL ASSESSMENT OF LICENSED AND NONLICENSED OPERATOR TRAINING, INCLUDING TRAINING FACILITIES, LICENSED OPERATOR REQUALIFICATION, NONLICENSED ACTIVITY TRAINING, STATUS OF ATTAINING INPO ACCREDITATION FOR NONLICENSED OPERATOR TRAINING, AND QUALITY ASSURANCE OVERSIGHT OF TRAINING. THE ASSESSMENT INVOLVED A TOTAL OF 69 INSPECTOR-HOURS ONSITE BY THREE NRC INSPECTORS INCLUDING 0 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. IN THE FIVE AREAS EXAMINED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 22 THROUGH NOVEMBER 7 (85033): ROUTINE UNANNOUNCED INSPECTION BY ONE REGIONAL INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND DOCUMENT CONTROL. THE INSPECTION INVOLVED A TOTAL OF 96 INSPECTOR-HOURS ONSITE. TWO VIOLATIONS WERE IDENTIFIED IN THE THREE AREAS (FAILURE TO PROVIDE PROPER CORRECTIVE ACTION AND FAILURE TO FOLLOW PROCEDURES IN THE CONTROL OF DESIGN DOCUMENTS).

INSPECTION 85035 REFERS TO THE SPECIAL SAFETY INSPECTION CONDUCTED BY THE NRC AUGMENT INCIDENT RESPONSE TEAM ON OCTOBER 29, 1985 THRU NOVEMBER 8, 1985 RELATING TO THE FAILURE OF A UNIT 2 REACTOR TRIP BREAKER TO ACTUATE DURING A UNIT 2 TRIP ON OCTOBER 29, 1985.

INSPECTION ON NOVEMBER 18-21, (85037): ROUTINE, ANNOUNCED INSPECTION OF: (1) CONFIRMATORY MEASUREMENTS, INCLUDING SAMPLING, QUALITY CONTROL OF ANALYTICAL MEASUREMENTS, AND COMPARISON OF LICENSEE ANALYSES WITH THOSE OF THE REGION III MOBILE LABORATORY AND THE NRC REFERENCE LABORATORY; (2) CHEMISTRY AND RADIOCHEMISTRY, INCLUDING LABORATORY FACILITIES AND COUNTING ROOM; (3) RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS; AND (4) REVIEW OF CORRECTIVE ACTIONS TAKEN ON PREVIOUS INSPECTION FINDINGS.

INSPECTION SUMMARY

THE REGION III MOBILE LABORATORY WAS ONSITE TO ANALYZE SAMPLES SPLIT WITH THE LICENSEE FOR COMPARISON. THE INSPECTION INVOLVED 52 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

INSPECTION ON NOVEMBER 18-21, (85038): INCLUDED A REVIEW OF SECURITY MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AND VITAL AREAS; ACCESS CONTROL - PERSONNEL; ALARM STATIONS; PERSONNEL TRAINING AND QUALIFICATIONS - GENERAL REQUIREMENTS AND SAFEGUARDS CONTINGENCY PLAN IMPLEMENTATION RELATIVES. THIS INSPECTION INVOLVED 47 DIRECT INSPECTOR-HOURS BY TWO NRC INSPECTORS. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS INSPECTED. ONE UNRESOLVED AND ONE OPEN ITEM REMAIN OPEN.

INSPECTION ON NOVEMBER 18-21, (85039): MATERIAL CONTROL AND ACCOUNTING - REACTORS. THE INSPECTION INVOLVED 11 DIRECT INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH THE NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION XVI, AS IMPLEMENTED BY THE D. C. COOK OPERATIONS QUALITY ASSURANCE PROGRAM, REQUIRES THAT MEASURES BE ESTABLISHED TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, 5 OF THE 11 RESPONSES TO ACTION REQUESTS ASSOCIATED WITH THREE AUDITS REVIEWED WERE NOT SUBMITTED WITHIN THE 30 DAY PERIOD ESTABLISHED BY REVISION 1 OF AEPSC PROCEDURE NO. 18.2. THIS ITEM WAS IDENTIFIED AS NRC VIOLATION NO. 315/84016-02B; 316/84018-02B DURING A PREVIOUS INSPECTION, AND THE ACTION TAKEN TO CORRECT IT WAS NOT EFFECTIVE.
(8503 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, THE INSPECTOR IDENTIFIED THE FOLLOWING: (A) AN INDEX OF TECHNICAL SPECIFICATIONS INDICATING THE LATEST REVISION WAS NOT MAINTAINED BY DOCUMENT CONTROL AS REQUIRED BY PARAGRAPH 3.7 OF PMI-2030, AND (B) FIFTY-FOUR DOCUMENT TRANSMITTALS WERE NOT RETURNED WITHIN TEN DAYS AS REQUIRED BY PARAGRAPH 3.5.1 OF PMI-2030.

(8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

Report Period DEC 1985

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

* COOK 2 *

OTHER ITEMS

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 13 - 16, 1986

INSPECTION REPORT NO: 86003

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
85-35	10/29/85	11/27/85	REACTOR TRIP
85-37	11/13/85	12/05/85	ESF ACTUATION REACTOR TRIP SIGNAL
85-38	11/10/85	12/06/85	ESF ACTUATION
85-39	11/17/85	12/16/85	ESF ACTUATION

=====

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: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. K. SALISBURY (402) 825-3811

4. Licensed Thermal Power (Mwt): 2381

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

6. Design Electrical Rating (Net MWe): 778

7. Maximum Dependable Capacity (Gross MWe): 787

8. Maximum Dependable Capacity (Net MWe): 764

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>100,849.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,057.5</u>	<u>75,013.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>1,885.2</u>	<u>73,705.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,722,435</u>	<u>3,422,655</u>	<u>144,862,666</u>
18. Gross Elec Ener (MWH)	<u>584,629</u>	<u>1,115,477</u>	<u>46,139,973</u>
19. Net Elec Ener (MWH)	<u>562,893</u>	<u>1,067,748</u>	<u>44,454,360</u>
20. Unit Service Factor	<u>100.0</u>	<u>21.5</u>	<u>73.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>21.5</u>	<u>73.1</u>
22. Unit Cap Factor (MDC Net)	<u>99.0</u>	<u>16.0</u>	<u>57.7</u>
23. Unit Cap Factor (DER Net)	<u>97.2</u>	<u>15.7</u>	<u>56.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>38.6</u>	<u>5.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,184.0</u>	<u>3,274.7</u>

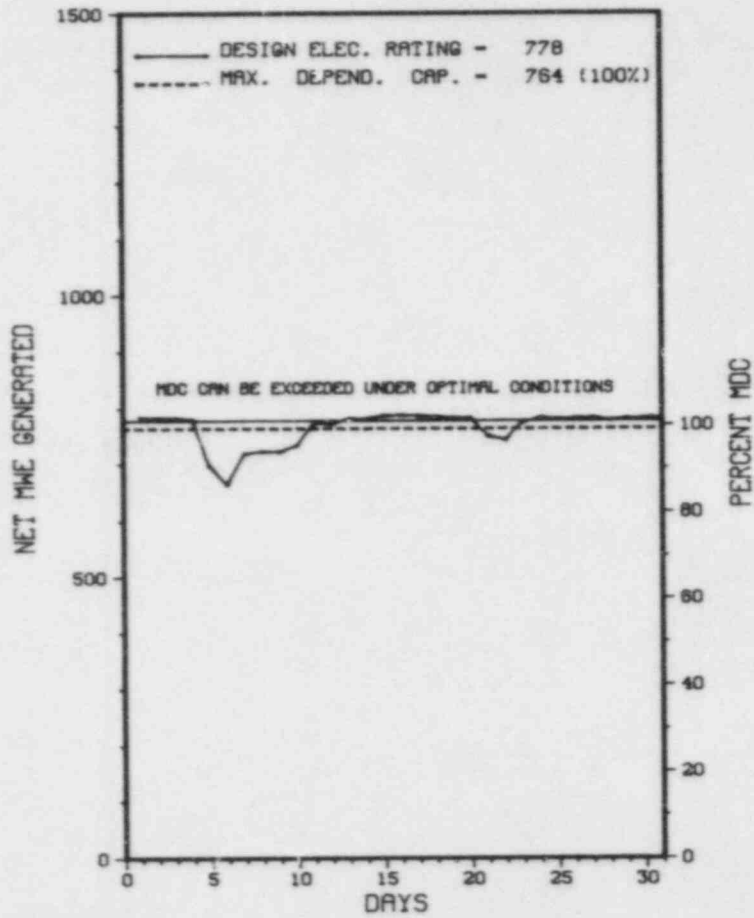
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* COOPER STATION *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

COOPER STATION



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* COOPER STATION *

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

NONE

* SUMMARY *

COOPER STATION OPERATED AT OR NEAR FULL POWER WITH NO
REPORTED REDUCTIONS OR OUTAGES IN DECEMBER.

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

* COOPER STATION *

FACILITY DATA

Report Period DEC 1985

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. DUJOIS
LICENSING PROJ MANAGER.....W. LONG
DOCKET NUMBER.....50-298
LICENSE & DATE ISSUANCE....DPR-46, JANUARY 18, 1974
PUBLIC DOCUMENT ROOM.....AUBURN PUBLIC LIBRARY
1118 15TH STREET
AUBURN, NEBRASKA 68305

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

INSPECTION SUMMARY

NO INSPECTIONS COMPLETED IN DECEMBER

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, THE LICENSEE FAILED TO FOLLOW PROCEDURE 6.1.3, "APRM SYSTEM EXCLUDING 15% TRIP FUNCTION TEST", DURING SURVEILLANCE TESTING. CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION XI, THE LICENSEE PERFORMED INADEQUATE DOCUMENTATION AND EVALUATION OF SURVEILLANCE TEST DATA FOLLOWING THE PERFORMANCE OF PROCEDURE 6.2.4.1, "DAILY SURVEILLANCE (TECHNICAL SPECIFICATIONS)." CONTRARY TO 10 CFR 50.73 (A)(2)(II)(C), THE LICENSEE FAILED TO SUBMIT AN LER CONCERNING A FUEL HANDLING ACTIVITY NOT COVERED BY THE PLANT'S OPERATING OR EMERGENCY PROCEDURES. CONTRARY TO CRITERION XVI OF APPENDIX B, 10 CFR 50 AND THE LICENSEE'S APPROVED QA PROGRAM FOR OPERATIONS IN THE AREA OF CORRECTIVE ACTIONS FOR CONDITIONS ADVERSE TO QUALITY, THE LICENSEE FAILED TO TAKE ADEQUATE CORRECTIVE ACTIONS FOR SAFETY RELATED EQUIPMENT MALFUNCTIONS - SIX EXAMPLES NOTED. (8502 4)

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V, LICENSEE PROCEDURE 2.1.1, "COLD STARTUP PROCEDURE," DID NOT INCLUDE QUANTITATIVE ACCEPTANCE CRITERIA FOR DETERMINING ADEQUACY OF REACTOR WATER CHEMISTRY.

CONTRARY TO 10 CFR 73.21 (D)(2), LICENSEE SAFEGUARDS INFORMATION STORAGE CONTAINERS WERE LEFT UNLOCKED AND UNATTENDED.

Report Period DEC 1985

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

* COOPER STATION *

ENFORCEMENT SUMMARY

(8502 5)

CONTRARY TO 10CFR 50, APPENDIX B, CRITERION V, FINDINGS WERE NOT ALWAYS BEING IDENTIFIED ON A "QA AUDIT/SURVEILLANCE REPORT FORM." IT WAS NOTED OF TWO RECENT SURVEILLANCES PERFORMED ON AUGUST 4 AND 30, 1985, TO CHECKLISTS NO. 800-3 BOTH NOTED DISCREPANCIES TO THE CHECKLIST REQUIREMENTS IN THAT FIRE PROTECTION EQUIPMENT WAS OBSTRUCTED, BLOCKED OR OTHERWISE HAD RESTRICTED ACCESS. THESE RESULTS WERE NOT REPORTED OR IDENTIFIED AS FINDINGS.
(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

NORMAL POWER OPERATION

LAST IE SITE INSPECTION DATE: OCTOBER 21-25, 1985

INSPECTION REPORT NO: 50-298/85-30

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

```
=====
```

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-014	10/28/85	11/27/85	VIOLATION OF THE APRM FLUX TRIP SETTINGS AND ROD BLOCK MONITOR TRIP SETTINGS
85-015	11/13/85	12/17/85	PREVENTION OF GROUP VI ISOLATION
85-016	11/19/85	12/19/85	INOPERABLE SNUBBERS DUE TO INADEQUATE INSPECTION PROCEDURE
85-017	11/22/85	12/19/85	HIGH PRESSURE COOLANT INJECTION SYSTEM INOPERABILITY

```
=====
```

1. Docket: 50-302 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2544

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

6. Design Electrical Rating (Net MWe): 825

7. Maximum Dependable Capacity (Gross MWe): 860

8. Maximum Dependable Capacity (Net MWe): 821

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>77,184.0</u>
13. Hours Reactor Critical	<u>605.9</u>	<u>4,385.3</u>	<u>50,301.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,275.5</u>
15. Hrs Generator On-Line	<u>605.0</u>	<u>4,173.0</u>	<u>49,090.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,393,054</u>	<u>11,746,283</u>	<u>113,408,168</u>
18. Gross Elec Ener (MWH)	<u>486,465</u>	<u>3,014,845</u>	<u>37,741,644</u>
19. Net Elec Ener (MWH)	<u>461,639</u>	<u>2,848,661</u>	<u>35,844,672</u>
20. Unit Service Factor	<u>81.0</u>	<u>47.6</u>	<u>63.6</u>
21. Unit Avail Factor	<u>81.0</u>	<u>47.6</u>	<u>63.6</u>
22. Unit Cap Factor (MDC Net)	<u>75.6</u>	<u>39.6</u>	<u>56.6</u>
23. Unit Cap Factor (DER Net)	<u>75.2</u>	<u>39.4</u>	<u>56.3</u>
24. Unit Forced Outage Rate	<u>19.0</u>	<u>10.2</u>	<u>19.9</u>
25. Forced Outage Hours	<u>141.0</u>	<u>471.6</u>	<u>12,160.8</u>

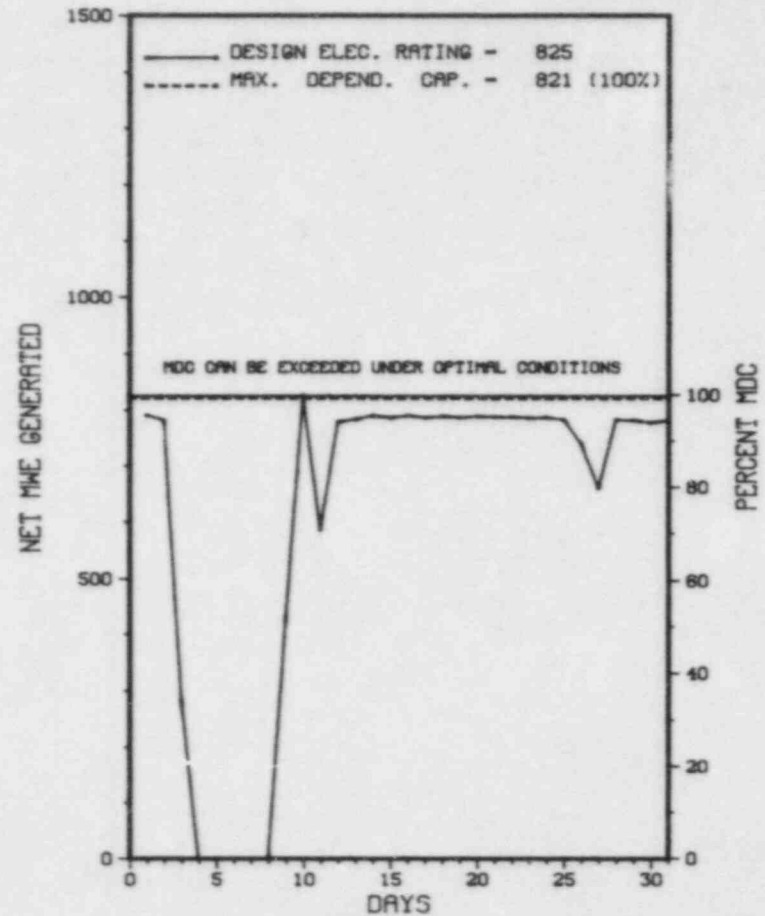
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* CRYSTAL RIVER 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

CRYSTAL RIVER 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * CRYSTAL RIVER 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-25	12/03/85	F	141.0	A	3	85-028	ED	CKTBRK	REACTOR TRIP CAUSED BY THE LOSS OF THE "B" 6900V BUS.
85-26	12/10/85	F	0.0	A	5		HC	HTEXCH	REDUCED POWER TO REPAIR A SALT WATER LEAK IN THE MAIN CONDENSER.
85-27	12/27/85	F	0.0	A	5		HC	HTEXCH	REDUCED POWER FOR MAINTENANCE ON THE CONDENSER TUBE CLEANING SYSTEM AND REPAIRED A SALT WATER LEAK IN THE SAME WATERBOX.

 * SUMMARY *

 CRYSTAL RIVER 3 OPERATED WITH 1 OUTAGE AND 2 REDUCTIONS
 DURING THE DECEMBER 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* CRYSTAL RIVER 3 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....CITRUS
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NH OF
CRYSTAL RIVER, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JANUARY 14, 1977
DATE ELEC ENLR 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

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION OCTOBER 24 - NOVEMBER 25 (85-42): THIS ROUTINE UNANNOUNCED INSPECTION INVOLVED 142 INSPECTOR-HOURS ON SITE BY TWO RESIDENT INSPECTORS IN THE AREAS OF PLANT OPERATIONS, SECURITY, RADIOLOGICAL CONTROLS, LICENSEE EVENT REPORTS AND NONCONFORMING OPERATIONS REPORTS, LICENSEE ACTION ON PREVIOUS INSPECTION ITEMS, AND LICENSEE ACTION ON INFORMATION NOTICE 80-21. 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 PERFORM AN ADEQUATE PLANT MODIFICATION AS REQUIRED BY 10CFR 50, APPENDIX B, CRITERION V; PARAGRAPH 7.)

ENFORCEMENT SUMMARY

CONTRARY TO TS 6.8.1.A AND REGULATORY GUIDE 1.33, NOVEMBER 1972, SECTION B.2, PROCEDURE OP-210 WAS NOT ADHERED TO IN THAT A REACTOR STARTUP WAS COMMENCED EVEN THOUGH THE CALCULATED ECP'S DID NOT AGREE WITHIN PLUS OR MINUS 0.1 DELTA K/K AS REQUIRED BY STEP 6.2.1 OF THE PROCEDURE. CONTRARY TO TS 6.12.1.A, A HIGH RADIATION AREA WAS NOT BARRICADED AND CONSPICUOUSLY POSTED. CONTRARY TO TS 6.8.1.A AND REGULATORY GUIDE 1.33, NOVEMBER 1972, SECTION 5.G, PROCEDURE RSP-101 WAS ADHERED TO IN THAT THE CLOTHING REQUIREMENTS LISTED ON A RADIATION WORK PERMIT WERE NOT COMPLIED WITH BY PERSONNEL WORKING WITHIN A CONTAMINATED AREA. (8504 4)

Report Period DEC 1985

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

* CRYSTAL RIVER 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ RCP 1A SHAFT SHEAR OR DISCONNECTED IMPELLER.

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: OCTOBER 24 - NOVEMBER 25, 1985 +

INSPECTION REPORT NO: 50-302/85-42 +

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: 50-346 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: MORTEZA KHARZRAI (419) 249-5000 X290

4. Licensed Thermal Power (Mwt): 2772

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

6. Design Electrical Rating (Net MWe): 906

7. Maximum Dependable Capacity (Gross MWe): 904

8. Maximum Dependable Capacity (Net MWe): 860

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>65,065.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>2,846.6</u>	<u>35,878.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>44.7</u>	<u>4,058.6</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>2,730.5</u>	<u>34,371.8</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>6,312,177</u>	<u>81,297,599</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,087,278</u>	<u>26,933,622</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>1,942,921</u>	<u>25,233,177</u>
20. Unit Service Factor	<u>.0</u>	<u>31.2</u>	<u>52.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>31.2</u>	<u>55.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>25.7</u>	<u>45.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>24.5</u>	<u>42.8</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>64.8</u>	<u>25.3</u>
25. Forced Outage Hours	<u>744.0</u>	<u>5,030.3</u>	<u>12,291.8</u>

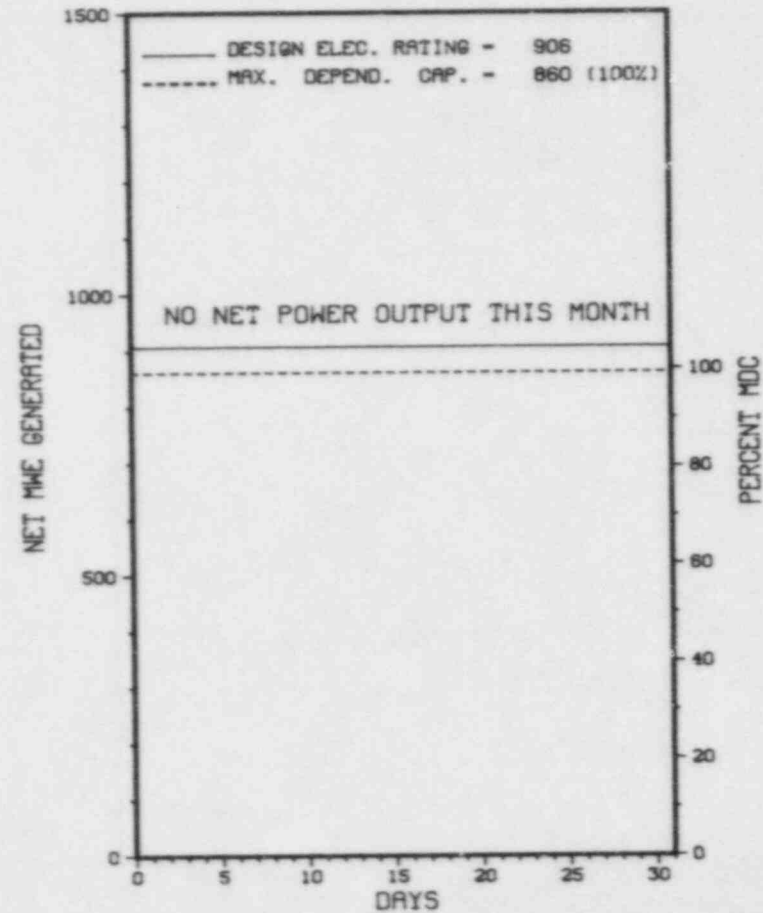
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/14/86

* DAVIS-BESSE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

DAVIS-BESSE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* DAVIS-BESSE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	06/09/85	F	744.0	A	4	85-013	JK	SC	THE UNIT REMAINED SHUTDOWN FOLLOWING THE REACTOR TRIP ON JUNE 9, 1985, DUE TO MAIN FEED PUMP CONTROL PROBLEMS.

***** DAVIS-BESSE 1 REMAINS SHUTDOWN FOR EQUIPMENT FAILURE.
* 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DAVIS-BESSE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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. DEAGAZIO
DOCKET NUMBER.....50-346
LICENSE & DATE ISSUANCE...NPF-3, APRIL 22, 1977
PUBLIC DOCUMENT ROOM.....UNIVERSITY OF TOLEDO LIBRARY
GOVERNMENT DOCUMENTS COLLECTION
2801 WEST BANCROFT AVENUE
TOLEDO, OHIO 43606

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 6 THROUGH NOVEMBER 4 (85025): SPECIAL INSPECTION BY RESIDENT AND REGIONAL INSPECTORS OF LICENSEE ACTIONS ON THE ROOT CAUSE INVESTIGATION OF MALFUNCTIONING EQUIPMENT DURING THE TRANSIENT OF JUNE 9, 1985. ROUTINE, UNANNOUNCED INSPECTION OF PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY, ACTION PLAN OBSERVATION, TMI ACTION ITEMS, LICENSEE EVENT REPORTS (LER), MAINTENANCE, REGIONAL REQUESTS, SENIOR MANAGEMENT FACILITY TOURS, INTERIM PERFORMANCE ENHANCEMENT PROGRAM, SURVEILLANCE AND INDEPENDENT REACTOR COOLANT SYSTEM LEAKAGE DETERMINATION. THE INSPECTION INVOLVED 535 INSPECTOR-HOURS ONSITE BY SIX NRC INSPECTORS INCLUDING 102 INSPECTOR-HOURS DURING OFF-SHIFTS. OF THE TWELVE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF LER REVIEW (FAILURE TO MEET THE ACTION STATEMENT OF A LIMITING CONDITION FOR OPERATION), ONE VIOLATION WAS IN THE MAINTENANCE AREA (FAILURE TO USE A PROCEDURE DURING THE PERFORMANCE OF MAINTENANCE), AND ONE VIOLATION WAS IDENTIFIED IN THE AREAS OF ACTION PLAN OBSERVATION AND OPERATIONAL SAFETY (FAILURE TO INITIATE A TIMELY REPORT OF A CONDITION ADVERSE TO QUALITY).

INSPECTION ON AUGUST 21-23, SEPTEMBER 23-24, AND NOVEMBER 12-13 AND 25 (85027): UNANNOUNCED, SPECIAL SAFETY INSPECTION OF THE INSTALLATION OF A MOTOR DRIVEN FEEDWATER PUMP AND CONNECTING PIPING; AND PREVIOUS INSPECTION FINDINGS. THIS INSPECTION INVOLVED A TOTAL OF 52 INSPECTOR-HOURS BY ONE NRC INSPECTOR INCLUDING 14 INSPECTION-HOURS DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 12 THROUGH DECEMBER 6 (85035): SPECIAL, ANNOUNCED INSPECTION OF THE AUXILIARY FEEDWATER PUMP TURBINE STEAM SUPPLY (AFPTSS) PIPING MODIFICATIONS, THE FACILITY CHANGE REQUEST (FCR) SYSTEM, IMPLEMENTATION OF REGION III (RIII) CONFIRMATORY

INSPECTION SUMMARY

ACTION LETTER (CAL) 85-13 ACTIONS, ENGINEERING EVALUATIONS FOR NONCONFORMANCE REPORTS (NCRS) ISSUED AS A RESULT OF THE REINSPECTION PROGRAM, AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED A TOTAL OF 72 INSPECTOR-HOURS ONSITE AND AT THE A-E'S OFFICE BY TWO NRC INSPECTORS. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED: (FAILURE TO FOLLOW NCR EVALUATION PROCEDURE BY BECHTEL STAFF).

INSPECTION ON SEPTEMBER 23 THROUGH DECEMBER 6, (85036): SPECIAL ANNOUNCED INSPECTION BY REGIONAL INSPECTORS TO IDENTIFY A NRC REVIEW PROGRAM FOR THE SYSTEM REVIEW AND TEST PROGRAM (SRTP) REQUIRED FOLLOWING THE JUNE 9 EVENT; EVALUATE THE SRTP PROCEDURES; EVALUATE THE SRTP IMPLEMENTATION; REVIEW THE SRTP SYSTEM REVIEW REPORTS; PERFORM SRTP TEST PROCEDURE REVIEW; AND PERFORM SRTP TEST PROCEDURE WITNESSING. THE INSPECTION INVOLVED 455 INSPECTOR-HOURS ONSITE AND 98 INSPECTOR-HOURS IN OFFICE BY FOUR NRC INSPECTORS INCLUDING 52 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. HOWEVER, SOME OPEN ITEMS WERE IDENTIFIED DURING THE INSPECTION AND ARE DOCUMENTED IN THE BODY OF THE REPORT.

INSPECTION ON DECEMBER 2-6 AND 10, (85038): SPECIAL, ANNOUNCED INSPECTION OF THE FOLLOWING ASPECTS OF THE EMERGENCY PREPAREDNESS PROGRAM: LICENSEE ACTIONS ON PREVIOUSLY IDENTIFIED ITEMS; PERFORMANCE OF THE CORPORATE EMERGENCY ORGANIZATION DRILL; LICENSEE ACTIONS ON SALP COMMITMENTS; EMERGENCY PREPAREDNESS TRAINING; INDEPENDENT AUDITS OF THE EMERGENCY PREPAREDNESS PROGRAM; AND STATUS OF THE TSC RELOCATION STUDY. THE DECEMBER 10, 1985 MEETING ADDRESSED THE INCLUSION OF THE CITY OF PORT CLINTON IN THE PLUME EXPOSURE PATHWAY EMERGENCY PLANNING ZONE (EPS). THE INSPECTION INVOLVED 70 INSPECTOR-HOURS ONSITE AND AT EDISON PLAZA BY THREE NRC INSPECTORS. NO VIOLATIONS OF NRC REQUIREMENTS OR DEVIATIONS FROM COMMITMENTS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50, APPENDIX B, CRITERION V STATES, IN PART, "ACTIVITIES AFFECTING QUALITY SHALL BE PRESCRIBED BY DOCUMENTED INSTRUCTIONS, PROCEDURES. . . OF A TYPE APPROPRIATE TO THE CIRCUMSTANCES AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE INSTRUCTIONS, PROCEDURES. . ." CONTRARY TO THE ABOVE, THE LICENSEE'S PROCEDURES WERE INADEQUATE FOR FABRICATING, INSTALLING, AND INSPECTING THE PLANT PRESSURE RETAINING SAFETY-RELATED FLEXIBLE BOOT SEALS.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE HAD DEVELOPED A COMPREHENSIVE PROGRAM TO REVIEW THE ADEQUACY OF 33 SYSTEMS DEEMED "IMPORTANT TO SAFE PLANT OPERATIONS". THE PRELIMINARY REVIEW OF THIS PROGRAM INDICATES THAT IT WILL ADEQUATELY IDENTIFY AND TEST EQUIPMENT MODIFICATIONS NECESSARY TO ENSURE THAT THESE SYSTEMS WILL OPERATE IN THEIR ANTICIPATED DESIGN MODES.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IN COLD SHUTDOWN FOLLOWING THE JUNE 9, 1985 TRIP.

Report Period DEC 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DAVIS-BESSE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

LAST IE SITE INSPECTION DATE: JANUARY 5 - FEBRUARY 3, 1986
INSPECTION REPORT NO: 86005

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			

=====

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: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: BOB KANICK (805) 595-7351

4. Licensed Thermal Power (Mht): 3338

5. Nameplate Rating (Gross MWe): 1137

6. Design Electrical Rating (Net MWe): 1086

7. Maximum Dependable Capacity (Gross MWe): 1125

8. Maximum Dependable Capacity (Net MWe): 1073

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

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

11. Reasons for Restrictions, If Any: _____
NONE

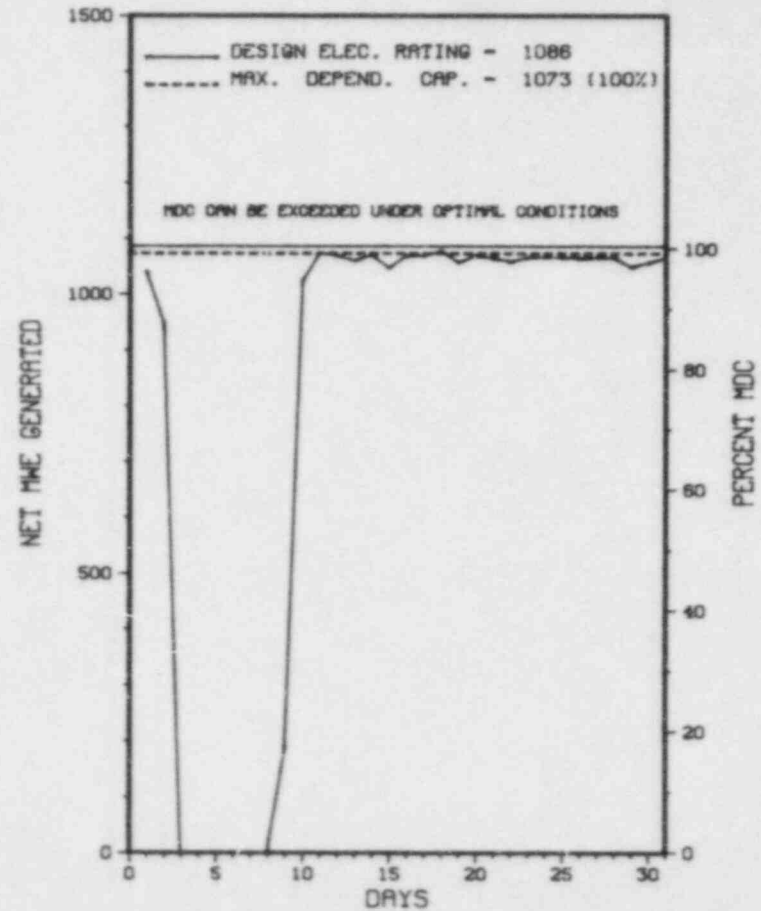
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>5,734.3</u>	<u>5,734.3</u>
13. Hours Reactor Critical	<u>639.5</u>	<u>5,295.6</u>	<u>5,295.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>593.5</u>	<u>5,207.3</u>	<u>5,207.3</u>
16. Unit Reserve Shtown Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,929,994</u>	<u>16,565,453</u>	<u>16,565,453</u>
18. Gross Elec Ener (MWH)	<u>643,900</u>	<u>5,514,332</u>	<u>5,514,332</u>
19. Net Elec Ener (MWH)	<u>609,144</u>	<u>5,234,234</u>	<u>5,234,234</u>
20. Unit Service Factor	<u>79.8</u>	<u>90.8</u>	<u>90.8</u>
21. Unit Avail Factor	<u>79.8</u>	<u>90.8</u>	<u>90.8</u>
22. Unit Cap Factor (MDC Net)	<u>76.3</u>	<u>85.1</u>	<u>85.1</u>
23. Unit Cap Factor (DER Net)	<u>75.4</u>	<u>84.1</u>	<u>84.1</u>
24. Unit Forced Outage Rate	<u>20.2</u>	<u>4.5</u>	<u>4.5</u>
25. Forced Outage Hours	<u>150.5</u>	<u>247.4</u>	<u>247.4</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



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* DIABLO CANYON 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/02/85	F	150.5	B	1				UNIT WAS SHUTDOWN TO CLEAN MARINE DEBRIS FROM THE CIRCULATING WATER SYSTEM OCEAN INTAKE STRUCTURE.

* SUMMARY *

DIABLO CANYON 1 OPERATED WITH 1 OUTAGE 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)
	F-Admin		
	G-Oper Error		
	H-Other		

* DIABLO CANYON 1 *

FACILITY DATA

Report Period DEC 1985

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...MAY 7, 1985
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PACIFIC GAS & ELECTRIC
CORPORATE ADDRESS.....77 BEALE STREET
SAN FRANCISCO, 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.....M. MENDONCA
LICENSING PROJ MANAGER.....H. SCHIERLING
DOCKET NUMBER.....50-275
LICENSE & DATE ISSUANCE...DPR-80, NOVEMBER 2, 1984
PUBLIC DOCUMENT ROOM.....ROBERT F. 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

+ INSPECTION ON NOVEMBER 18 - DECEMBER 12, 1985 (REPORT NO. 50-275/85-36) AREAS INSPECTED: ANNOUNCED INSPECTION, BY A SIX MEMBER TEAM CONSISTING OF TWO REGIONALLY BASED NRC INSPECTORS, TWO NRR SYSTEM REVIEWERS AND TWO CONSULTANTS FROM BROOKHAVEN NATIONAL LABORATORY, OF THE LICENSEE'S COMPLIANCE WITH 10 CFR 50 APPENDIX R SECTIONS III G, J, O, AND L. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 211 HOURS ONSITE BY THE INSPECTION TEAM.

RESULTS: NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. ONE UNRESOLVED ITEM WAS IDENTIFIED.

+ INSPECTION ON NOVEMBER 18-22, 1985 (REPORT NO. 50-275/85-38) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY REGIONALLY BASED INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, TRANSPORTATION ACTIVITIES, SOLID WASTE MANAGEMENT PROGRAM, LOW-LEVEL WASTE MANAGEMENT, REVIEW OF LICENSEE EVENTS, AUDITS AND RECORDS, FACILITY TOURS, FOLLOWUP ON INFORMATION NOTICES AND GENERIC LETTERS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 64 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 10 - DECEMBER 14, 1985 (REPORT NO. 50-275/85-39) AREAS INSPECTED: THIS INSPECTION INCLUDED ROUTINE INSPECTIONS OF PLANT OPERATIONS, MAINTENANCE AND SURVEILLANCE ACTIVITIES, FOLLOWUP OF ONSITE EVENTS, OPEN ITEMS, LERS, AND LICENSEE PLANS FOR COPING WITH A STRIKE, AS WELL AS SELECTED INDEPENDENT INSPECTION ACTIVITIES. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 167 INSPECTOR-HOURS ONSITE BY FOUR RESIDENT NRC INSPECTORS.

INSPECTION SUMMARY

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 9-13, 1985 (REPORT NO. 50-275/85-40) AREAS INSPECTED: UNANNOUNCED INSPECTION BY TWO REGIONALLY BASED INSPECTORS OF OPEN ITEMS CONSISTING OF FOLLOWUP OF IE NOTICES, PART 21 REPORTS, AND FOLLOWUP OF ALLEGATIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 72 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 16, 1985 - JANUARY 10, 1986 (REPORT NO. 50-275/85-41) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 16-20, 1985 (REPORT NO. 50-275/85-42) AREAS INSPECTED: SECURITY EVENTS FOLLOWUP; FOLLOWUP ON INFORMATION NOTICES 85-04 AND 85-79; SECURITY PLAN AND IMPLEMENTING PROCEDURES; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; LIGHTING; ACCESS CONTROL - PERSONNEL; DETECTION AIDS - PROTECTED AREA; COMMUNICATIONS; AND FOLLOWUP ITEMS FROM PREVIOUS SECURITY INSPECTIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE AREAS EXAMINED DURING THE INSPECTION EXCEPT FOR THE FOLLOWING ITEM: ACCESS CONTROL - PERSONNEL (FAILURE TO RECORD PERSONNEL ENTRY INTO VITAL AREA).

+ INSPECTION ON DECEMBER 15, 1985 - JANUARY 25, 1986 (REPORT NO. 50-275/85-43) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 17, 1985 - JANUARY 2, 1986 (REPORT NO. 50-275/85-44) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 30, 1985 - JANUARY 3, 1986 (REPORT NO. 50-275/85-45) 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:

ROUTINE OPERATIONS.

Report Period DEC 1985

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

* DIABLO CANYON 1 *

OTHER ITEMS

LAST IE SITE INSPECTION DATE: 12/15/85-01/25/86+

INSPECTION REPORT NO: 50-275/85-43+

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

85-33-L0 10-25-85 11-25-85 IN MGDE 1 100% POWER FAILED COMPARATOR MODULE RESULTS IN RC PUMP BREAKER TO OPEN / REACTOR TRIP
85-34-L0 06-29-85 11-18-85 TECHNICAL SPECIFICATION SURVEILLANCE NOT COMPLETED - GAS ACTIVITY MONITORS RM-14A AND 14B
=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-323 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: BOB KANICK (805) 595-7351

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1164

6. Design Electrical Rating (Net MWe): 1119

7. Maximum Dependable Capacity (Gross MWe): 1145

8. Maximum Dependable Capacity (Net MWe): 1093

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>744.0</u>	<u>1,735.0</u>	<u>1,735.0</u>
13. Hours Reactor Critical	<u>572.8</u>	<u>1,361.0</u>	<u>1,361.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>488.3</u>	<u>1,214.1</u>	<u>1,214.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>971,006</u>	<u>2,116,143</u>	<u>2,116,143</u>
18. Gross Elec Ener (MWH)	<u>300,400</u>	<u>632,800</u>	<u>632,800</u>
19. Net Elec Ener (MWH)	<u>267,830</u>	<u>540,553</u>	<u>540,553</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>162.6</u>	<u>365.8</u>	<u>365.8</u>

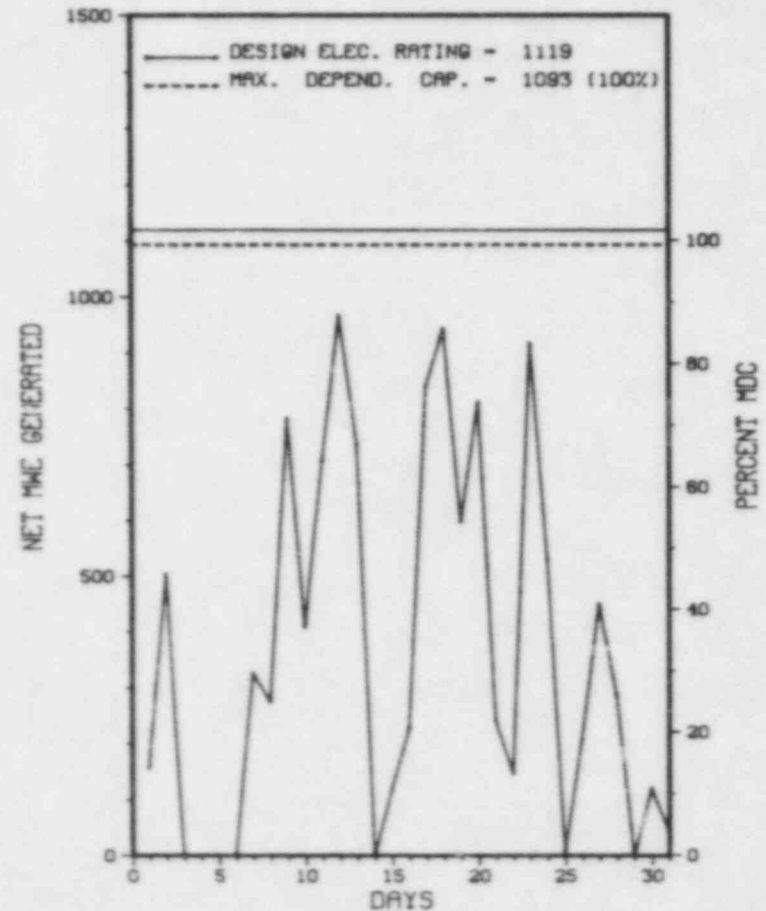
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):

NONE

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

 * DIABLO CANYON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 DIABLO CANYON 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * DIABLO CANYON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/01/85	F	13.1	A	3	85-016			DURING THE 50 PERCENT LOAD REJECTION TEST, A TURBINE TRIP AND SUBSEQUENT REACTOR TRIP OCCURRED DUE TO HI-HI STEAM GENERATOR LEVEL, CAUSED BY A FAILURE OF THE AUTOMATIC FEEDWATER CONTROL SYSTEM TO MAINTAIN PROPER STEAM GENERATOR WATER LEVELS DURING TRANSIENT.
2	12/02/85	F	98.3	B	2	85-018	IU	LI	WHILE REDUCING POWER DUE TO MARINE FOULING OF THE OCEAN INTAKE STRUCTURE, A FAILURE OF THE DIGITAL ROD POSITION INDICATION SYSTEM PROMPTED OPERATORS TO MANUALLY TRIP THE UNIT FROM 20 PERCENT POWER. CAUSED OF DRPI FAILURE HAS NOT BEEN DETERMINED.
3	12/13/85	S	42.9	B	1				UNIT SHUTDOWN TO REPAIR CONDENSER TUBE LEAKS.
4	12/21/85	F	21.3	A	3	85-022	SJ	FCV	WHILE IN MODE 1, AUTOMATIC TURBINE AND REACTOR TRIPS OCCURRED FROM LOW STEAM GENERATOR WATER LEVEL SIGNAL COINCIDENT WITH STEAMFLOW FEEDFLOW MISMATCH SIGNAL, CAUSED BY THE 2-2 STEAM GENERATOR FEEDWATER REGULATING VALVE CLOSING WHEN CONSTRUCTION PERSONNEL BUMPED A JUNCTION BOX CAUSING AN IMPROPERLY TERMINATED WIRING CONNECTION TO MOMENTARILY OPEN.
5	12/25/85	F	29.9	B	3	85-024			WHILE IN MODE 1 AND PERFORMING LARGE LOAD REJECTION TESTING, REACTOR AND TURBINE TRIPS OCCURRED DUE TO LOW-LOW STEAM GENERATOR WATER LEVEL RESULTING FROM THE SLOW RESPONSE TIME OF THE STEAM DUMP CONTROL SYSTEM, WHICH WAS SUBSEQUENTLY MODIFIED TO IMPROVE THE STEAM DUMP VALVE RESPONSE TIME.
6	12/28/85	S	36.2	B	1				UNIT SHUTDOWN TO REPAIR CONDENSER TUBE LEAKS.
7	12/31/85	S	14.0	B	2				TURBINE TRIPPED AS PART OF STARTUP TESTING.

 * SUMMARY *

 DIABLO CANYON 2 OPERATED WITH 7 OUTAGES IN DECEMBER,
 LISTED IN DETAIL ABOVE.

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

* DIABLO CANYON 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CALIFORNIA
COUNTY.....SAN LUIS OBISPO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI WSW OF
SAN LUIS OBISPO
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY... AUGUST 19, 1985
DATE ELEC ENER 1ST GENER... OCTOBER 20, 1985
DATE COMMERCIAL OPERATE...*****
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.....M. MENDOUCA
LICENSING PROJ MANAGER.....H. SCHIERLING
DOCKET NUMBER.....50-523
LICENSE & DATE ISSUANCE...DPR-81, AUGUST 26, 1985
PUBLIC DOCUMENT ROOM.....ROBERT F. 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

Report Period DEC 1985

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

* DIABLO CANYON 2 *

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

NUMBER DATE OF DATE OF SUBJECT
 EVENT REPORT

INFO. NOT SUPPLIED BY REGION

1. Docket: 50-237 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 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

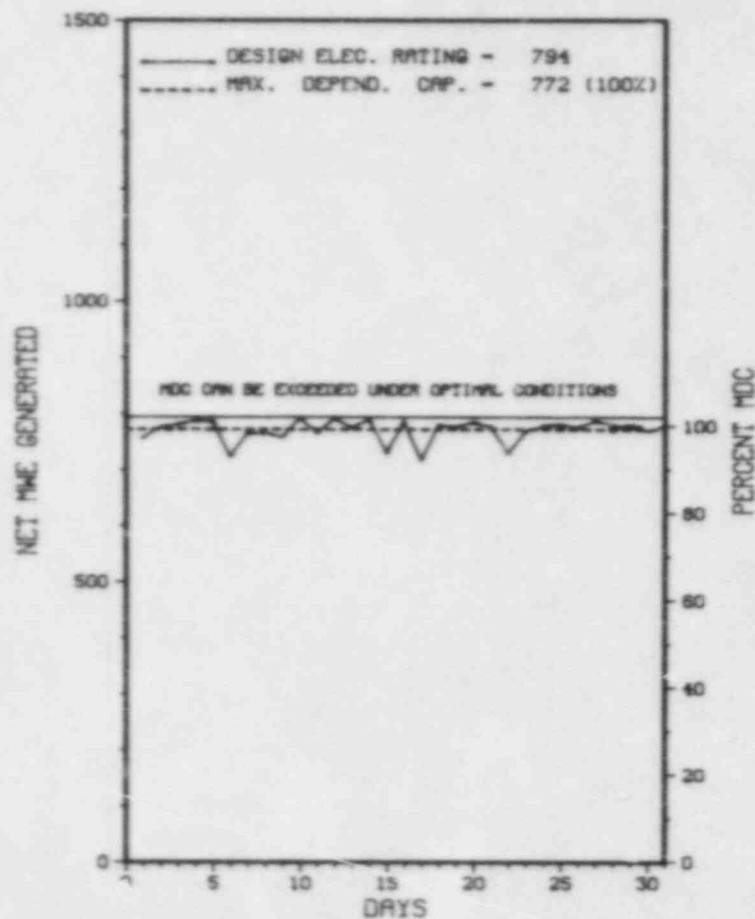
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>137,064.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,961.6</u>	<u>103,698.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,680.4</u>	<u>98,985.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>1,833,306</u>	<u>10,295,581</u>	<u>201,676,599</u>
18. Gross Elec Ener (MMH)	<u>597,065</u>	<u>3,278,422</u>	<u>64,483,176</u>
19. Net Elec Ener (MMH)	<u>571,098</u>	<u>3,087,488</u>	<u>60,945,292</u>
20. Unit Service Factor	<u>100.0</u>	<u>53.4</u>	<u>72.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>53.4</u>	<u>72.2</u>
22. Unit Cap Factor (MDC Net)	<u>99.4</u>	<u>45.7</u>	<u>57.6</u>
23. Unit Cap Factor (DER Net)	<u>96.7</u>	<u>44.4</u>	<u>56.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>13.6</u>	<u>11.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>736.9</u>	<u>5,446.9</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MID-MAY 1986 FOR A WEEKEND SNUBBER INSPECTION.

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

* DRESDEN 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DRESDEN 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 2 *

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

NONE

* SUMMARY *

DRESDEN 2 OPERATED AT OR NEAR FULL POWER DURING DECEMBER.

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

* DRESDEN 2 *

FACILITY DATA

Report Period DEC 1985

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.....L. MCGREGOR
LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-27
LICENSE & DATE ISSUANCE....DPR-19, DECEMBER 22, 1969
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 18-22, (85036) INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; SECURITY ORGANIZATION; RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL - PERSONS, PACKAGES, AND VEHICLES; AND IE INFORMATION NOTICE NO. 85-79. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

ENFORCEMENT SUMMARY

AMENDMENT NO. 36 TO PROVISIONAL OPERATING LICENSE NO. DPR-19 AND AMENDMENT NO. 33 TO FACILITY OPERATING LICENSE NO. DPR-25 REQUIRE THE LICENSEE TO COMPLETE THE MODIFICATIONS IDENTIFIED IN PARAGRAPHS 3.1.1 THROUGH 3.1.23 OF THE NRC'S FIRE PROTECTION SAFETY EVALUATION DATED MARCH 1978 BY STARTUP FOLLOWING THE 1979 UNIT 3 REFUELING OUTAGE. PARAGRAPH 3.1.1 SUBPARAGRAPH (6) OF THE NRC'S FIRE PROTECTION SAFETY EVALUATION DATED MARCH 1978 STATES THAT EARLY WARNING FIRE DETECTION SYSTEMS WILL BE PROVIDED FOR THE REACTOR BUILDING REFUELING FLOOR. CONTRARY TO THE ABOVE, DURING THE PERIOD SEPTEMBER 30 THROUGH OCTOBER 21, 1985, IT WAS IDENTIFIED THAT AN EARLY WARNING FIRE DETECTION SYSTEM WAS NOT INSTALLED ON THE REACTOR BUILDING REFUELING FLOOR. FURTHER, IT WAS DETERMINED THAT AN EARLY WARNING FIRE DETECTION SYSTEM HAD NEVER BEEN INSTALLED ON THE REFUELING FLOOR. 10 CFR 50.48(A) REQUIRES THAT EACH OPERATING NUCLEAR POWER PLANT HAVE A FIRE PROTECTION PLAN THAT SATISFIES CRITERION 3 OF APPENDIX A TO 10 CFR PART 50. IT FURTHER REQUIRES THAT THE PLAN SHALL DESCRIBE SPECIFIC FEATURES NECESSARY TO IMPLEMENT THE PROGRAM SUCH AS ADMINISTRATIVE

ENFORCEMENT SUMMARY

CONTROLS AND PERSONNEL REQUIREMENTS TO LIMIT FIRE DAMAGE TO STRUCTURES, SYSTEMS, OR COMPONENTS IMPORTANT TO SAFETY SO THAT THE CAPABILITY TO SAFELY SHUT DOWN THE PLANT IS ENSURED. SECTION 3.1.A.1 OF THE LICENSEE'S FIRE HAZARDS ANALYSIS SUBMITTAL, WHICH FORMS PART OF THE LICENSEE'S APPROVED FIRE PROTECTION PROGRAM, STATES THAT THE LICENSEE HAS A FIRE PROTECTION COORDINATOR WHOSE RESPONSIBILITIES INCLUDE, IN PART, PROGRAM COORDINATION, EQUIPMENT PROCUREMENT, PROGRAM ENHANCEMENT, CONDUCTING INSPECTIONS, AND SUPERVISING TRAINING OF PERSONNEL. CONTRARY TO THE ABOVE, THE LICENSEE HAS FAILED TO CONSISTENTLY AND EFFECTIVELY STAFF THE FIRE PROTECTION COORDINATOR POSITION WITH THE RESULT THAT CERTAIN FIRE PROTECTION EQUIPMENT WAS NOT INSTALLED, HARDWARE AND EQUIPMENT WERE NOT BEING PROPERLY MAINTAINED, REQUIRED TRAINING WAS NOT COMPLETED, AND PROMPT AND EFFECTIVE CORRECTIVE ACTION WAS NOT TAKEN FOR IDENTIFIED DEFICIENCIES.

(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 27 - 31, 1986

INSPECTION REPORT NO: 86002

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-41	11/12/85	12/11/85	UNIT 2 REACTOR SCRAM ON GREATER THAN 10% STOP VALVE CLOSURE
85-42	11/06/85	12/12/85	FIRE DOORS IN DEGRADED CONDITION

1. Docket: 58-249 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2527

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

6. Design Electrical Rating (Net MWe): 794

7. Maximum Dependable Capacity (Gross MWe): 812

8. Maximum Dependable Capacity (Net MWe): 773

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

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

11. Reasons for Restrictions, If Any: _____
NONE

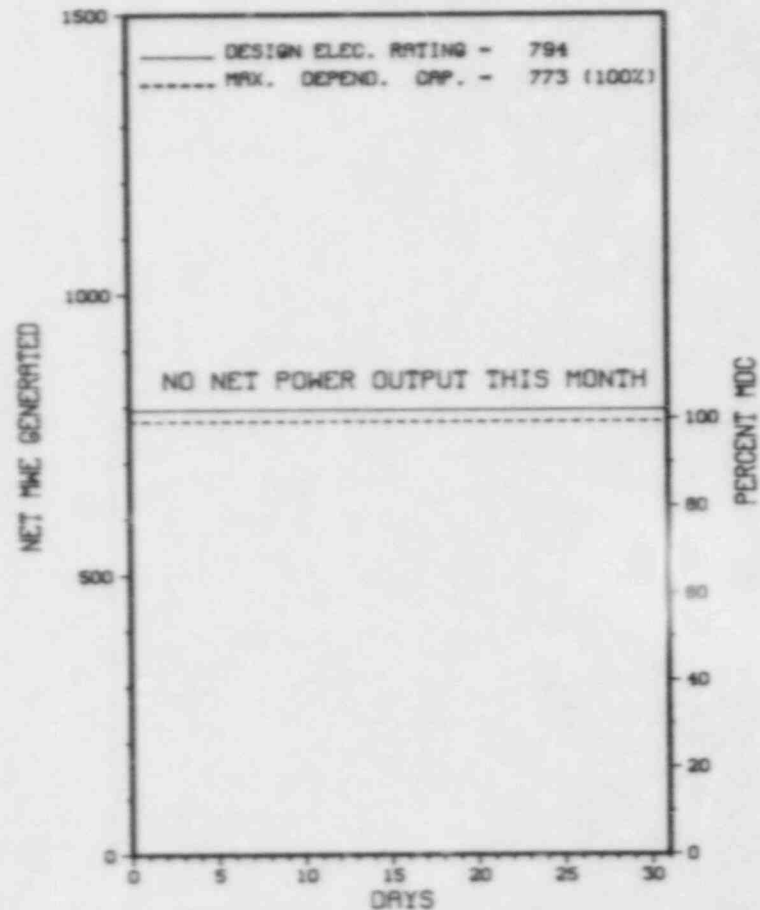
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>126,649.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,718.8</u>	<u>93,442.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,621.3</u>	<u>89,794.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>14,705,613</u>	<u>181,765,542</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>4,632,256</u>	<u>58,821,103</u>
19. Net Elec Ener (MWH)	<u>-5,225</u>	<u>4,390,064</u>	<u>55,726,293</u>
20. Unit Service Factor	<u>.0</u>	<u>75.6</u>	<u>70.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>75.6</u>	<u>70.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>69.8</u>	<u>56.9</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>63.1</u>	<u>55.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.7</u>	<u>12.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>402.3</u>	<u>7,365.0</u>

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

27. If Currently Shutdown Estimated Startup Date: 07/04/86

* D R E S D E N 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
D R E S D E N 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* DRESDEN 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
6	10/28/85	S	744.0	C	4		RC FUELXX	OFF-LINE MANUALLY TO 9th REFUELING/RECIRCULATION PIPE REPLACEMENT OUTAGE.

* SUMMARY *

DRESDEN 3 REMAINS SHUTDOWN FOR REFUELING.

Type	Reason	Method	System & Component	
F-Forced	A-Equip Failure	F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling	H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction		4-Continued	Batch 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 DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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.....L. MCGREGOR
LICENSING PROJ MANAGER.....R. GILBERT
DOCKET NUMBER.....50-249
LICENSE & DATE ISSUANCE...DPR-25, MARCH 2, 1971
PUBLIC DOCUMENT ROOM.....MORRIS PUBLIC LIBRARY
604 LIBERTY STREET
MORRIS, ILLINOIS 60450

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

INSPECTION SUMMARY

INSPECTION ON NOVEMBER 18-22, (85052) INCLUDED A REVIEW OF THE LICENSEE'S ACTION ON PREVIOUS INSPECTION FINDINGS; SECURITY ORGANIZATION; RECORDS AND REPORTS; PHYSICAL BARRIERS - PROTECTED AREA; PHYSICAL BARRIERS - VITAL AREAS; ASSESSMENT AIDS; ACCESS CONTROL - PERSONS, PACKAGES, AND VEHICLES; AND IE INFORMATION NOTICE NO. 85-79. THE INSPECTION INVOLVED 34 INSPECTOR-HOURS BY ONE NRC INSPECTOR. THE INSPECTION BEGAN DURING THE DAY SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS IN THE AREAS EXAMINED DURING THIS INSPECTION.

INSPECTION ON NOVEMBER 7, 8 AND 12 (85051): SPECIAL UNANNOUNCED INSPECTION OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS, REFUELING PREPARATIONS, REFUELING ACTIVITIES, SPENT FUEL POOL ACTIVITIES AND LICENSEE ACTIONS REGARDING IE BULLETIN 84-03. THE INSPECTION INVOLVED A TOTAL OF 27 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING SIX INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

AMENDMENT NO. 36 TO PROVISIONAL OPERATING LICENSE NO. DPR-19 AND AMENDMENT NO. 33 TO FACILITY OPERATING LICENSE NO. DPR-25 REQUIRE THE LICENSEE TO COMPLETE THE MODIFICATIONS IDENTIFIED IN PARAGRAPHS 3.1.1 THROUGH 3.1.23 OF THE NRC'S FIRE PROTECTION SAFETY EVALUATION DATED MARCH 1978 BY STARTUP FOLLOWING THE 1979 UNIT 3 REFUELING OUTAGE. PARAGRAPH 3.1.1 SUBPARAGRAPH (6) OF THE NRC'S FIRE PROTECTION SAFETY EVALUATION DATED MARCH 1978 STATES THAT EARLY WARNING FIRE DETECTION SYSTEMS WILL BE PROVIDED FOR THE

ENFORCEMENT SUMMARY

REACTOR BUILDING REFUELING FLOOR. CONTRARY TO THE ABOVE, DURING THE PERIOD SEPTEMBER 30 THROUGH OCTOBER 21, 1985, IT WAS IDENTIFIED THAT AN EARLY WARNING FIRE DETECTION SYSTEM WAS NOT INSTALLED ON THE REACTOR BUILDING REFUELING FLOOR. FURTHER, IT WAS DETERMINED THAT AN EARLY WARNING FIRE DETECTION SYSTEM HAD NEVER BEEN INSTALLED ON THE REFUELING FLOOR. 10 CFR 50.48(A) REQUIRES THAT EACH OPERATING NUCLEAR POWER PLANT HAVE A FIRE PROTECTION PLAN THAT SATISFIES CRITERION 3 OF APPENDIX A TO 10 CFR PART 50. IT FURTHER REQUIRES THAT THE PLAN SHALL DESCRIBE SPECIFIC FEATURES NECESSARY TO IMPLEMENT THE PROGRAM SUCH AS ADMINISTRATIVE CONTROLS AND PERSONNEL REQUIREMENTS TO LIMIT FIRE DAMAGE TO STRUCTURES, SYSTEMS, OR COMPONENTS IMPORTANT TO SAFETY SO THAT THE CAPABILITY TO SAFELY SHUT DOWN THE PLANT IS ENSURED. SECTION 3.1.A.1 OF THE LICENSEE'S FIRE HAZARDS ANALYSIS SUBMITTAL, WHICH FORMS PART OF THE LICENSEE'S APPROVED FIRE PROTECTION PROGRAM, STATES THAT THE LICENSEE HAS A FIRE PROTECTION COORDINATOR WHOSE RESPONSIBILITIES INCLUDE, IN PART, PROGRAM COORDINATION, EQUIPMENT PROCUREMENT, PROGRAM ENHANCEMENT, CONDUCTING INSPECTIONS, AND SUPERVISING TRAINING OF PERSONNEL. CONTRARY TO THE ABOVE, THE LICENSEE HAS FAILED TO CONSISTENTLY AND EFFECTIVELY STAFF THE FIRE PROTECTION COORDINATOR POSITION WITH THE RESULT THAT CERTAIN FIRE PROTECTION EQUIPMENT WAS NOT INSTALLED, HARDWARE AND EQUIPMENT WERE NOT BEING PROPERLY MAINTAINED, REQUIRED TRAINING WAS NOT COMPLETED, AND PROMPT AND EFFECTIVE CORRECTIVE ACTION WAS NOT TAKEN FOR IDENTIFIED DEFICIENCIES.

(8502 4)

10 CFR 50, APPENDIX B, CRITERION VI, AS IMPLEMENTED BY CECO QUALITY ASSURANCE MANUAL, SECTION 6, STATES "MEASURES SHALL BE ESTABLISHED TO CONTROL THE ISSUANCE OF DOCUMENTS, SUCH AS INSTRUCTIONS, PROCEDURES, AND DRAWINGS, INCLUDING CHANGES THERETO, WHICH PRESCRIBE ALL ACTIVITIES AFFECTING QUALITY. THESE MEASURES SHALL ASSURE THAT DOCUMENTS, INCLUDING CHANGES, ARE REVIEWED FOR ADEQUACY AND APPROVED FOR RELEASE BY AUTHORIZED PERSONNEL AND ARE DISTRIBUTED TO AND USED AT THE LOCATION WHERE THE PRESCRIBED ACTIVITY IS PERFORMED." CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO REVISE THE TECHNICAL SPECIFICATIONS FOR UNIT 3, IN THAT SECTION 3.5.A.7, WAS NOT UPDATED TO REFLECT THAT A SECTION, 3.5.G, REFERENCED IN 3.5.A.7 HAD BEEN DELETED PER UNITED STATES ATOMIC ENERGY COMMISSION LETTER DATED APRIL 19, 1974.

(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN FOR MAJOR PIPING REPLACEMENT ON OCTOBER 27, 1985.

LAST IE SITE INSPECTION DATE: JANUARY 27 - 31, 1986

INSPECTION REPORT NO: 86002

Report Period DEC 1985

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X DRESDEN 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-21	11/07/85	12/06/85	EXCEEDED TECHNICAL SPECIFICATION LIMIT FOR TYPE "B" AND "C" LEAK TESTING
85-22	11/15/85	12/13/85	PERSONNEL ERROR RESPONSIBLE FOR SPURIOUS LOW LOW WATER LEVEL SIGNAL AND GROUP I ISOLATION
85-24	11/20/85	12/19/85	UNIT 3 REACTOR SCRAM DUE TO LOSS OF POWER TO BOTH REACTOR PROTECTION SYSTEM BUSES RESULTING IN REACTOR BUILDING VENTILATION TRIP AND AUTOMATIC START OF STANDBY GAS TREATMENT
85-26	09/24/85	12/19/85	REACTOR BUILDING VENTILATION ISOLATION AND AUTOMATIC INITIATION OF STANDBY GAS TREATMENT DUE TO FUEL HANDLER ERROR

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: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: BRADFORD THOMAS (319) 851-7339

4. Licensed Thermal Power (MWT): 1658

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

6. Design Electrical Rating (Net MWe): 538

7. Maximum Dependable Capacity (Gross MWe): 545

8. Maximum Dependable Capacity (Net MWe): 515

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

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

11. Reasons for Restrictions, If Any:
NONE

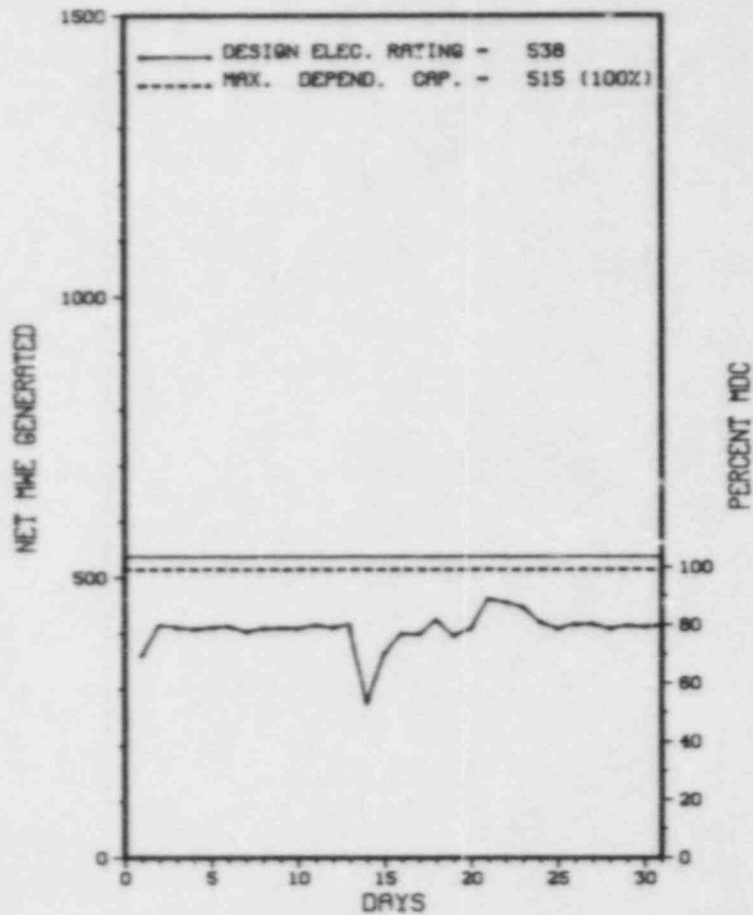
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>95,688.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,733.2</u>	<u>67,295.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>130.3</u>
15. Hrs Generator On-line	<u>744.0</u>	<u>4,711.8</u>	<u>65,559.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>940,744</u>	<u>6,146,270</u>	<u>82,606,203</u>
18. Gross Elec Ener (MWH)	<u>322,716</u>	<u>2,068,707</u>	<u>27,656,061</u>
19. Net Elec Ener (MWH)	<u>303,596</u>	<u>1,940,485</u>	<u>25,894,418</u>
20. Unit Service Factor	<u>100.0</u>	<u>53.8</u>	<u>68.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>53.8</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>79.2</u>	<u>43.0</u>	<u>52.5</u>
23. Unit Cap Factor (DER Net)	<u>75.8</u>	<u>41.2</u>	<u>50.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>15.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</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

X DUANE ARNOLD X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
DUANE ARNOLD



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* DUANE ARNOLD *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
10	12/14/85	S	0.0	H	5	85-43	BJ	ISV	POWER WAS REDUCED TO APPROXIMATELY 40% TO PERMIT A CONTROL ROD SEQUENCE EXCHANGE. THE REDUCED POWER LEVELS ALSO FACILITATED PLANNED MAINTENANCE ACTIVITIES IN THE STEAM TUNNEL ON A HPCI STEAM SUPPLY ISOLATION VALVE.

* SUMMARY *

DUANE ARNOLD OPERATED WITH 1 REDUCTION IN DECEMBER.

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

* DUANE ARNOLD *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....IOWA
COUNTY.....LINN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NW OF
CEDAR RAPIDS, IA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MARCH 23, 1974
DATE ELEC ENER 1ST GENER...MAY 19, 1974
DATE COMMERCIAL OPERATE....FEBRUARY 1, 1975
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CEDAR RAPIDS RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....IOWA ELECTRIC LIGHT & POWER
CORPORATE ADDRESS.....I E TOWERS, P.O. BOX 351
CEDAR RAPIDS, IOWA 52406
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. WEIBE
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 ON OCTOBER 28-30 (85016): ROUTINE, ANNOUNCED INSPECTION OF THE DUANE ARNOLD ENERGY CENTER EMERGENCY PREPAREDNESS EXERCISE INVOLVING OBSERVATIONS BY SEVEN NRC REPRESENTATIVES OF KEY FUNCTIONS AND LOCATIONS DURING THE EXERCISE. THE INSPECTION INVOLVED 154 INSPECTOR-HOURS ON SITE BY THREE NRC INSPECTORS AND FOUR CONSULTANTS. NO VIOLATIONS, DEFICIENCIES, OR DEVIATIONS WERE IDENTIFIED; HOWEVER, WEAKNESSES WERE IDENTIFIED AS SUMMARIZED IN THE APPENDIX.

INSPECTION ON SEPTEMBER 17 - NOVEMBER 18 (85029): ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE OBSERVATION, MONTHLY SURVEILLANCE OBSERVATION, LICENSEE EVENT REPORT FOLLOWUP, SECONDARY CONTAINMENT VIOLATION, INOPERABLE DRYWELL EQUIPMENT DRAIN SUMP TIMERS, MAIN STEAM ISOLATION VALVE LEAKAGE CONTROL SYSTEM FLOW ELEMENT MODIFICATION, MANAGEMENT MEETING AND COLD WEATHER PREPARATIONS. THE INSPECTION INVOLVED A TOTAL OF 182 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR, INCLUDING 32 INSPECTOR-HOURS ONSITE DURING BACKSHIFTS. OF THE TEN AREAS INSPECTED, A TOTAL OF SIX VIOLATIONS WERE NOTED IN THREE OF THE AREAS (SECONDARY CONTAINMENT VIOLATION - 3 VIOLATIONS, INOPERABLE DRYWELL EQUIPMENT DRAIN SUMP TIMERS - 2 VIOLATIONS, AND MAIN STEAM ISOLATION VALVE LEAKAGE CONTAINMENT SYSTEM FLOW ELEMENT MODIFICATION - 1 VIOLATION). EACH INDIVIDUAL VIOLATION IS RELATIVELY INSIGNIFICANT. HOWEVER, THE VIOLATIONS IN THE FIRST AREA MAY REFLECT A WEAKNESS IN THE LICENSEE'S CONTROL OF MAINTENANCE AND ACTIVITIES WHICH ARE NOT SAFETY RELATED BUT WHICH MAY AFFECT SAFETY-RELATED ACTIVITIES. THE VIOLATION IN THE THIRD AREA MAY POINT TO A WEAKNESS IN THE LICENSEE'S ENGINEERING REVIEW OF CHANGES TO DESIGN DOCUMENTS.

INSPECTION ON NOVEMBER 5 AND 6 (85033): ROUTINE ANNOUNCED INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; IE BULLETINS; AND LICENSEE EVENT REPORTS (LER). THE INSPECTION INVOLVED 16 INSPECTOR-HOURS AT THE LICENSEE'S CORPORATE OFFICE BY ONE

INSPECTION SUMMARY

NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR PART 50, APPENDIX B, SECTION V, REQUIRES IN PART THAT INSTRUCTIONS OR PROCEDURES COVERING ACTIVITIES AFFECTING QUALITY INCLUDE APPROPRIATE ACCEPTANCE CRITERIA FOR DETERMINING THAT IMPORTANT ACTIVITIES HAVE BEEN SATISFACTORILY ACCOMPLISHED. THE DUANE ARNOLD ENERGY CENTER UPDATED FINAL SAFETY ANALYSIS REPORT, SECTION 6.2.3.2.3 STATES THAT THE INTERLOCKED SEALED DOORS ENSURE THAT BUILDING ACCESS CANNOT INTERFERE WITH MAINTAINING SECONDARY CONTAINMENT INTEGRITY. CONTRARY TO THE ABOVE, MAINTENANCE ACTION REQUEST NO. 65655 DATED MAY 7, 1985, AND MAINTENANCE ACTION REQUEST NO. 65654 DATED MAY 7, 1985, BOTH COVERING ACTIVITIES AFFECTING QUALITY (REPLACEMENT OF LOCKING HARDWARE ON SECONDARY CONTAINMENT INTERLOCKING DOORS WHICH ENSURE THAT BUILDING ACCESS DOES NOT INTERFERE WITH MAINTAINING SECONDARY CONTAINMENT INTEGRITY), DID NOT INCLUDE APPROPRIATE ACCEPTANCE CRITERIA FOR DETERMINING THAT THIS IMPORTANT ACTIVITY HAD BEEN SATISFACTORILY ACCOMPLISHED. THE DUANE ARNOLD ENERGY CENTER TECHNICAL SPECIFICATIONS, TABLE 3.2-E AND PARAGRAPH 3.6.C REQUIRE IN PART THAT THE EQUIPMENT DRAIN SUMP FLOW INTEGRATOR AND TIMERS BE OPERABLE OR THE PLANT MUST BE SHUTDOWN IN SEVEN DAYS (AIR SAMPLING SYSTEM OPERABLE) OR TWENTY-FOUR HOURS (AIR SAMPLING SYSTEM INOPERABLE). CONTRARY TO THE ABOVE, DURING THE PERIOD BETWEEN JULY 19, 1974, AND OCTOBER 5, 1985, THE EQUIPMENT DRAIN SUMP TIMERS WERE INOPERABLE. 10 CFR PART 50.36(C)(3) REQUIRES THE TECHNICAL SPECIFICATIONS TO CONTAIN SURVEILLANCE REQUIREMENTS TO ASSURE THAT THE LIMITING CONDITIONS OF OPERATION WILL BE MET. THE DUANE ARNOLD ENERGY CENTER TECHNICAL SPECIFICATIONS, TABLE 4.2-E AND PARAGRAPH 1.22.C REQUIRE IN PART THAT SUCH A SURVEILLANCE (AN INSTRUMENT FUNCTIONAL CHECK) BE PERFORMED ON THE EQUIPMENT DRAIN SUMP FLOW TIMERS TO VERIFY PROPER ALARM AND INITIATING ACTION. CONTRARY TO THE ABOVE, SINCE JULY 19, 1974, THE SURVEILLANCES FOR INSTRUMENT FUNCTIONAL CHECK ON THE EQUIPMENT DRAIN SUMP FLOW TIMERS HAVE NOT VERIFIED PROPER ALARM AND INITIATING ACTION AND AS A RESULT THE ASSOCIATED LIMITING CONDITION OF OPERATION WAS NOT MET. 10 CFR PART 50, APPENDIX B, SECTION III REQUIRES IN PART, THAT DESIGN CHANGES, INCLUDING FIELD CHANGES, BE SUBJECT TO DESIGN CONTROL MEASURES COMMENSURATE WITH THOSE APPLIED TO THE ORIGINAL DESIGN. THESE MEASURES INCLUDE REVIEW FOR SUITABILITY OF APPLICATION OF EQUIPMENT THAT IS ESSENTIAL TO THE SAFETY-RELATED FUNCTIONS OF COMPONENTS AND SYSTEMS. THE IOWA ELECTRIC LIGHT AND POWER COMPANY QUALITY ASSURANCE MANUAL, PARAGRAPH 3.11 REQUIRES IN PART THAT THE REVIEW PROCESS FOR DESIGN CHANGES BE COMMENSURATE WITH THAT OF THE ORIGINAL DESIGN DOCUMENT AND THAT REVIEWING PERSONNEL HAVE AN ADEQUATE UNDERSTANDING OF THE REQUIREMENTS AND INTENT OF THE ORIGINAL DESIGN. CONTRARY TO THE ABOVE, FIELD CHANGE REQUEST 1095-1-0 AND FIELD CHANGE REQUEST 1095-2-0 DID NOT RECEIVE AN ADEQUATE REVIEW IN THAT THE DESIGN WAS CHANGED SUCH THAT THE APPLICATION OF THE EQUIPMENT (MAIN STEAM ISOLATION VALVE LEAKAGE CONTAINMENT SYSTEM FLOW ELEMENT 8404D) WAS NOT SUITABLE FOR THE ORIENTATION IN WHICH IT WAS PLACED. THIS EQUIPMENT IS ESSENTIAL TO THE SAFETY-RELATED FUNCTION OF THE MAIN STEAM ISOLATION VALVE LEAKAGE CONTROL SYSTEM (ISOLATION ON HIGH FLOW RATE TO LIMIT OFFSITE RELEASES TO ACCEPTABLE LEVELS). THE INADEQUATE REVIEW INDICATES AN INADEQUATE UNDERSTANDING OF THE REQUIREMENTS AND THE INTENT OF THE ORIGINAL DESIGN. (8502 4)

THE DUANE ARNOLD ENERGY CENTER TECHNICAL SPECIFICATIONS PARAGRAPH 3.7.C.1 REQUIRES IN PART THAT SECONDARY CONTAINMENT INTEGRITY BE MAINTAINED WHEN THE REACTOR IS CRITICAL. PARAGRAPH 1.16 OF THE TECHNICAL SPECIFICATIONS SPECIFIES, AS ONE OF THE REQUIREMENTS FOR SECONDARY CONTAINMENT INTEGRITY, THAT AT LEAST ONE DOOR IN EACH ACCESS OPENING TO THE REACTOR BUILDING BE CLOSED. CONTRARY TO THE ABOVE, ON SEPTEMBER 6, 1985, THE NORTH TURBINE BUILDING TO REACTOR BUILDING ACCESS DOORS WERE BOTH OPEN MOMENTARILY WHEN THE REACTOR WAS IN CRITICAL POWER OPERATION.

10 CFR PART 50, APPENDIX B, SECTION XVI REQUIRES, IN PART THAT, MEASURES BE ESTABLISHED TO ASSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. THE IOWA ELECTRIC LIGHT AND POWER COMPANY QUALITY ASSURANCE MANUAL, SECTIONS 14.3.2 AND 14.3.3 IDENTIFIES DEVIATION REPORTS AND LICENSEE EVENT REPORTS AS SYSTEMS WHICH HAVE MECHANISMS FOR IDENTIFYING AND CORRECTING CONDITIONS ADVERSE TO QUALITY. ADMINISTRATIVE CONTROL PROCEDURE (ACP) NO. 1402.2, "DEVIATION REPORTING SYSTEM," (A QA MANUAL IMPLEMENTING PROCEDURE) REVISION 1 DATED JUNE 11, 1984, SECTION 6.4.4 REQUIRES IN PART THAT THE ROOT CAUSE OF THE EVENT BE DETERMINED. CONTRARY TO THE IMPLEMENTING PROCEDURE, THE ROOT CAUSE (INADEQUATE POST MAINTENANCE ACCEPTANCE CRITERIA, A CONDITION ADVERSE TO QUALITY) OF THE SEPTEMBER 6, 1985, SECONDARY CONTAINMENT INTEGRITY VIOLATION WAS NOT IDENTIFIED AND CORRECTED BY THE DEVIATION REPORTING SYSTEM OR THE LICENSEE EVENT REPORT.

(8502 5)

Report Period DEC 1985

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

* DUANE ARNOLD *

ENFORCEMENT SUMMARY

FAILURE TO CONDUCT MAINTENANCE IN A TIMELY MANNER. 10 CFR 50, APPENDIX B, CRITERION XVII, AS IMPLEMENTED BY IOWA ELECTRIC LIGHT AND POWER COMPANY QUALITY ASSURANCE MANUAL, SECTION 8.9, REQUIRES EVALUATION AND TRENDING OF THE CAUSE OF MALFUNCTIONING EQUIPMENT AND OPERATING EXPERIENCE WITH EQUIPMENT TO ENSURE THAT CONDITIONS ADVERSE TO QUALITY ARE PROMPTLY IDENTIFIED AND CORRECTED. CONTRARY TO THE ABOVE, THE INSPECTOR IDENTIFIED THAT NO TRENDING WAS PERFORMED FOR (A) CORRECTIVE MAINTENANCE AND (B) PREVENTIVE MAINTENANCE AND NO PROVISIONS IN THE LICENSEE'S ADMINISTRATIVE PROGRAM WERE IN PLACE TO REQUIRE SUCH ACTIONS. THIS IS CONSIDERED A SIGNIFICANT PROGRAM DEFICIENCY.
(8503 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: JANUARY 27 - 31, 1986

INSPECTION REPORT NO: 86004

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
85-43	11/04/85	12/04/85	HIGH PRESSURE COOLANT INJECTION SYSTEM TAKEN OUT OF SERVICE FOR ISOLATION VALVE REPAIR
85-44	11/05/85	12/05/85	TURBINE OVSPEED FOLLOWING PLANNED REACTOR CORE ISOLATION COOLING INOPERABILITY
85-45	11/16/85	12/16/85	THO INADVERTENT SECONDARY CONTAINMENT VIOLATIONS
85-46	11/23/85	12/20/86	ELECTRIC FIRE PUMP OUT OF SERVICE FOR GREATER THAN SEVEN (7) DAYS

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-348 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
3. Utility Contact: J. D. HOODARD (205) 899-5156
4. Licensed Thermal Power (MWT): 2652
5. Nameplate Rating (Gross MWe): 1045 X 0.85 = 888
6. Design Electrical Rating (Net MWe): 829
7. Maximum Dependable Capacity (Gross MWe): 861
8. Maximum Dependable Capacity (Net MWe): 816
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: _____
NONE

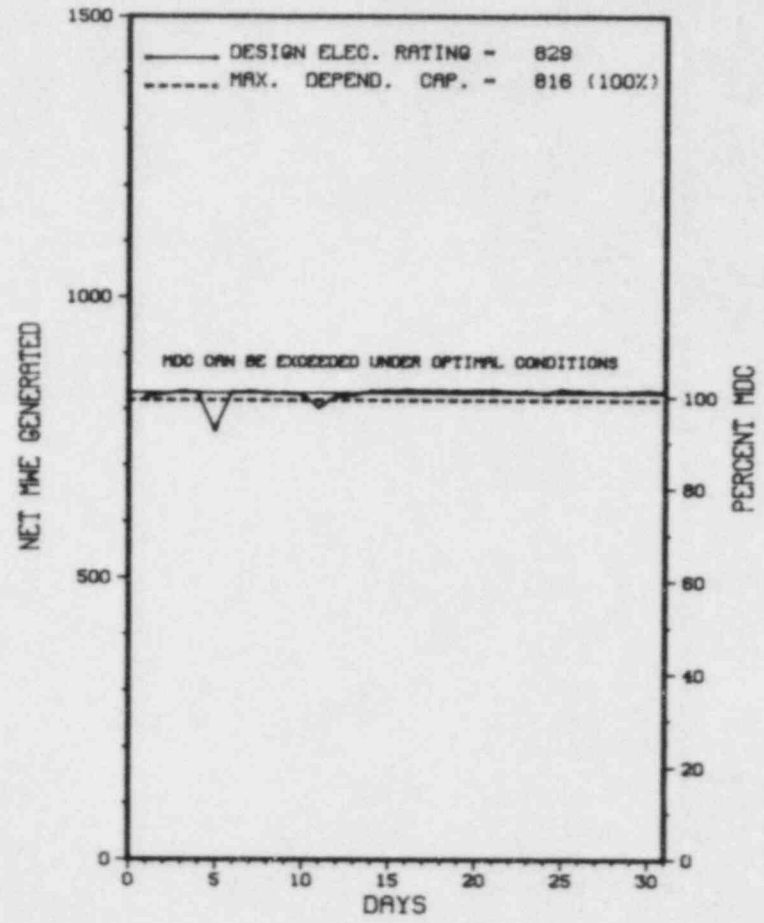
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>70,872.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,504.1</u>	<u>49,633.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,650.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,381.2</u>	<u>48,405.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,943,431</u>	<u>18,970,967</u>	<u>122,871,540</u>
18. Gross Elec Ener (MWH)	<u>648,528</u>	<u>6,209,066</u>	<u>39,202,184</u>
19. Net Elec Ener (MWH)	<u>616,162</u>	<u>5,868,672</u>	<u>36,997,718</u>
20. Unit Service Factor	<u>100.0</u>	<u>84.3</u>	<u>68.3</u>
21. Unit Avail Factor	<u>100.0</u>	<u>84.3</u>	<u>68.3</u>
22. Unit Cap Factor (MDC Net)	<u>101.5</u>	<u>82.1</u>	<u>65.3*</u>
23. Unit Cap Factor (DER Net)	<u>99.9</u>	<u>80.8</u>	<u>63.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>11.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>136.9</u>	<u>6,382.9</u>

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

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

* FARLEY 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

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 DECEMBER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	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		

* FARLEY 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....ALABAMA
COUNTY.....HOUSTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...18 MI SE OF
DOTHAN, ALA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 9, 1977
DATE ELEC ENER 1ST GENER...AUGUST 18, 1977
DATE COMMERCIAL OPERATE...DECEMBER 1, 1977
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...CHATAHOOCHEE RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 24-26, NOVEMBER 8 AND NOVEMBER 22 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 59 INSPECTOR-HOURS IN THE AREA OF SMALL SCALE EMERGENCY EXERCISE. ONE VIOLATION WAS IDENTIFIED IN THAT THE LICENSEE FAILED TO HAVE THE CAPABILITY TO NOTIFY RESPONSIBLE STATE AND LOCAL GOVERNMENTAL AGENCIES WITHIN 15 MINUTES AFTER DECLARING AN EMERGENCY.

INSPECTION OCTOBER 11 - NOVEMBER 18 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, AND ENGINEERED SAFETY SYSTEM INSPECTION, AND TMI ITEM II B.1.3., AND CONTAINMENT BUILDING ELECTRIC HYDROGEN RECOMBINERS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR 50, APPENDIX B, CRITERION V: (A) THE LIMIT SWITCH JUNCTION BOX AND MAIN CONTROL BOARD INDICATION FOR SIX FEEDWATER FLOW CONTROL VALVES WERE NOT WIRED PURSUANT TO PRESCRIBED WIRING DRAWINGS. (B) MAINTENANCE WORK REQUEST NUMBERS 113930, 113931, 113932, 113933 AND 113934, ISSUED TO CORRECT WIRING DEFICIENCIES IN FIVE FEEDWATER FLOW CONTROL VALVES ON MAY 31, 1981 DID NOT REQUIRE THE PLACEMENT OF DEFICIENCY OF TAGS PURSUANT TO PROCEDURE FNP-0-AP-52, EQUIPMENT STATUS CONTROL AND MAINTENANCE AUTHORIZATION. (C) MAINTENANCE WORK REQUEST (MWR) NUMBER 114481, ISSUED TO TROUBLE SHOOT AND REPAIR AS NECESSARY THE PROBLEMS WITH ELECTRICAL PENETRATION B037 WHICH HAD CAUSED SHUTDOWN BANK 'B' RODS E-11 AND L-11 TO DROP ON JUNE 23, 1985 WAS NOT COMPLETED

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 850

8. Maximum Dependable Capacity (Net MWe): 807

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

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

11. Reasons for Restrictions, If Any: _____
NONE

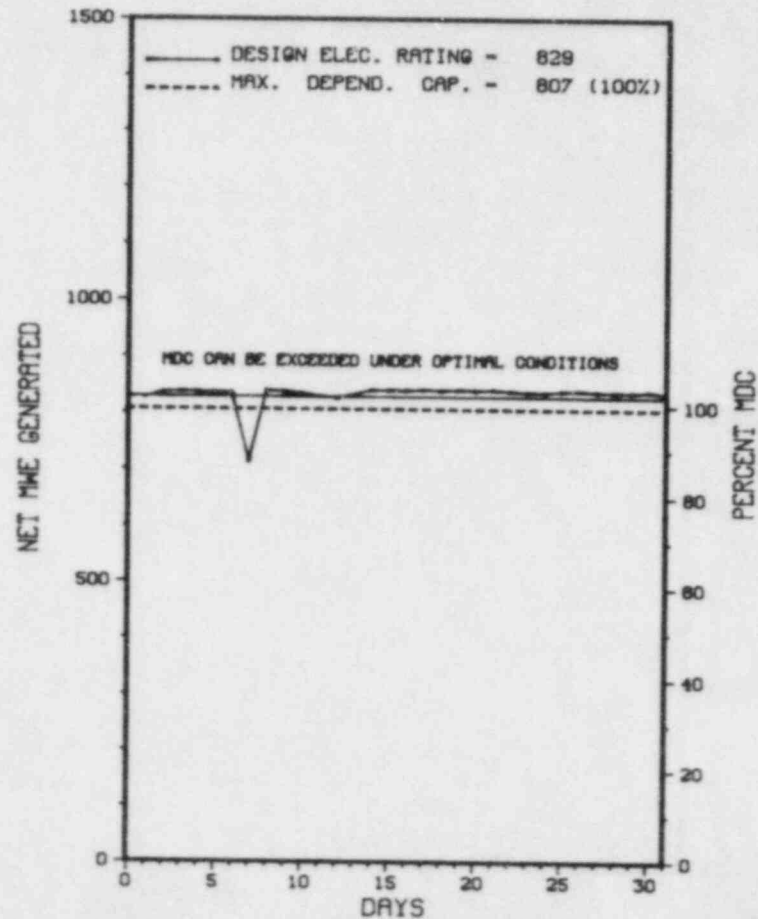
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>38,785.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>6,888.1</u>	<u>33,800.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>138.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,814.3</u>	<u>33,392.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,962,073</u>	<u>17,417,802</u>	<u>85,843,398</u>
18. Gross Elec Ener (MWH)	<u>647,616</u>	<u>5,776,356</u>	<u>27,722,610</u>
19. Net Elec Ener (MWH)	<u>617,316</u>	<u>5,470,318</u>	<u>26,289,240</u>
20. Unit Service Factor	<u>100.0</u>	<u>77.8</u>	<u>86.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>77.8</u>	<u>86.1</u>
22. Unit Cap Factor (MDC Net)	<u>102.8</u>	<u>77.4</u>	<u>84.0</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>75.3</u>	<u>81.8</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.2</u>	<u>4.8</u>
25. Forced Outage Hours	<u>0</u>	<u>150.3</u>	<u>1,686.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING/MAINTENANCE OUTAGE, 4/4/86, 5 WEEKS.

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

* FARLEY 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FARLEY 2



DECEMBER 1985

Report Period DEC 1985

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 DECEMBER.

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

X FARLEY 2 X

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION SEPTEMBER 24-26, NOVEMBER 8 AND NOVEMBER 22 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 59 INSPECTOR-HOURS IN THE AREA OF SMALL SCALE EMERGENCY EXERCISE. ONE VIOLATION WAS IDENTIFIED IN THAT THE LICENSEE FAILED TO HAVE THE CAPABILITY TO NOTIFY RESPONSIBLE STATE AND LOCAL GOVERNMENTAL AGENCIES WITHIN 15 MINUTES AFTER DECLARING AN EMERGENCY.

INSPECTION OCTOBER 11 - NOVEMBER 18 (85-42): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 77 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE ACTION ON PREVIOUS ENFORCEMENT MATTERS, MONTHLY SURVEILLANCE OBSERVATION, MONTHLY MAINTENANCE OBSERVATION, OPERATIONAL SAFETY VERIFICATION, AND ENGINEERED SAFETY SYSTEM INSPECTION, AND TMI ITEM II B.1.3., AND CONTAINMENT BUILDING ELECTRIC HYDROGEN RECOMBINERS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* FARLEY 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

LICENSEE CONTINUES TENDON FIELD ANCHORS INSPECTION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: SEPTEMBER 24-26, NOVEMBER 8 AND NOVEMBER 22, 1985 +

INSPECTION REPORT NO: 50-364/85-37 +

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: 50-333 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 2436

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

6. Design Electrical Rating (Net MWe): 821

7. Maximum Dependable Capacity (Gross MWe): 830

8. Maximum Dependable Capacity (Net MWe): 810

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

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

11. Reasons for Restrictions, If Any: NONE

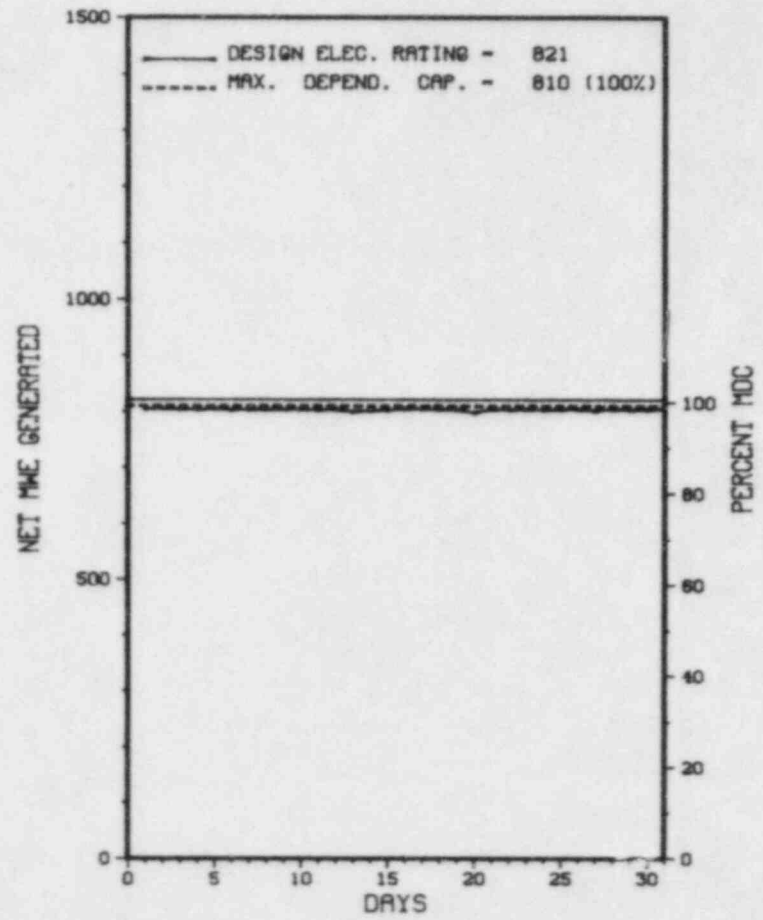
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>91,441.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,799.6</u>	<u>65,415.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,578.8</u>	<u>63,526.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,809,360</u>	<u>12,776,760</u>	<u>135,712,714</u>
18. Gross Elec Ener (MWH)	<u>619,720</u>	<u>4,312,930</u>	<u>46,031,340</u>
19. Net Elec Ener (MWH)	<u>597,950</u>	<u>4,166,520</u>	<u>44,564,525</u>
20. Unit Service Factor	<u>100.0</u>	<u>63.7</u>	<u>69.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>63.7</u>	<u>69.5</u>
22. Unit Cap Factor (MDC Net)	<u>99.2</u>	<u>58.7</u>	<u>63.1*</u>
23. Unit Cap Factor (DER Net)	<u>97.9</u>	<u>57.9</u>	<u>59.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.3</u>	<u>13.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>639.5</u>	<u>9,846.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAINTENANCE OUTAGE MARCH 10, 1986, 2 WEEKS.

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

 * FITZPATRICK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FITZPATRICK



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* FITZPATRICK *

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

NONE

***** FITZPATRICK OPERATED AT NEAR FULL POWER DURING DECEMBER.
* 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)

* FITZPATRICK *

FACILITY DATA

Report Period DEC 1985

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

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 PARAGRAPH 3.1.1 OF THE JAMES F. FITZPATRICK NUCLEAR POWER PLANT PHYSICAL SECURITY PLAN, THE LICENSEE FAILED TO MAINTAIN A VITAL AREA BARRIER.

(8500 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

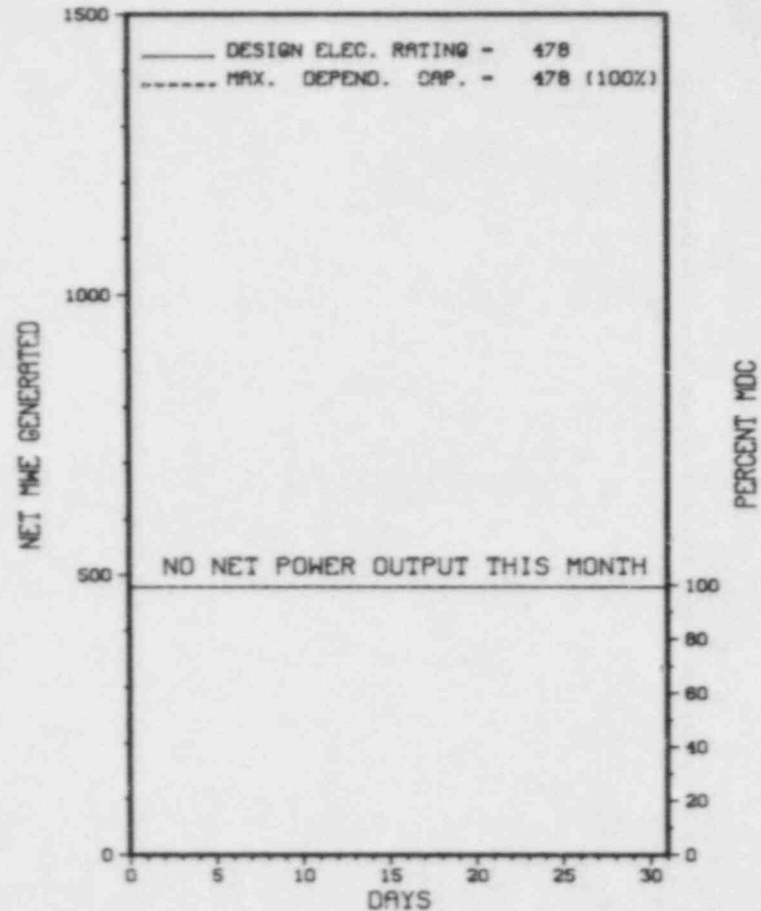
1. Docket: 50-285 OPERATING STATUS
2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
3. Utility Contact: T. P. MATTHEWS (402) 536-4733
4. Licensed Thermal Power (Mht): 1500
5. Nameplate Rating (Gross MWe): 591 X 0.8₇ = 502
6. Design Electrical Rating (Net MWe): 478
7. Maximum Dependable Capacity (Gross MWe): 502
8. Maximum Dependable Capacity (Net MWe): 478
9. If Changes Occur Above Since Last Report, Give Reasons:
NONE
10. Power Level To Which Restricted, If Any (Net MWe):
11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>107,545.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,466.1</u>	<u>82,466.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,309.5</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,455.5</u>	<u>81,073.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>.0</u>	<u>9,564,277</u>	<u>103,751,045</u>
18. Gross Elec Ener (MWH)	<u>.0</u>	<u>3,214,944</u>	<u>34,296,424</u>
19. Net Elec Ener (MWH)	<u>.0</u>	<u>3,066,254</u>	<u>32,477,885</u>
20. Unit Service Factor	<u>.0</u>	<u>73.7</u>	<u>75.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>73.7</u>	<u>75.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>73.2</u>	<u>65.5*</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>73.2</u>	<u>63.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>1,750.3</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE
27. If Currently Shutdown Estimated Startup Date: 01/13/86

* FORT CALHOUN 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
FORT CALHOUN 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT CALHOUN 1 *

<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>
85-01	09/28/85	S	744.0	C	1		XX	XXXXXX	1985 REFUELING OUTAGE.

* SUMMARY *

FORT CALHOUN REMAINS SHUTDOWN FOR REFUELING.

<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)
	F-Admin		
	G-Oper Error		
	H-Other		

X FORT CALHOUN 1 X

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION STATE.....NEBRASKA
COUNTY.....WASHINGTON
DIST AND DIRECTION FROM NEAREST POPULATION CTR...19 MI N OF OMAHA, NEB
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...AUGUST 6, 1973
DATE ELEC ENER 1ST GENER...AUGUST 25, 1973
DATE COMMERCIAL OPERATE...JUNE 20, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSOURI RIVER
ELECTRIC RELIABILITY COUNCIL.....MID-CONTINENT AREA RELIABILITY COORDINATION AGREEMENT

UTILITY LICENSEE.....OMAHA PUBLIC POWER DISTRICT
CORPORATE ADDRESS.....1623 HARNEY STREET OMAHA,, NEBRASKA 68102
CONTRACTOR ARCHITECT/ENGINEER.....GIBBS, HILL, DURHAM & RICHARDSON
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....GIBBS, HILL, DURHAM & RICHARDSON
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....P. HARRELL
LICENSING PROJ MANAGER.....E. TOURIGNY
DOCKET NUMBER.....50-285
LICENSE & DATE ISSUANCE...DPR-40, AUGUST 9, 1973
PUBLIC DOCUMENT ROOM.....W. DALE CLARK LIBRARY 215 S. 15TH STREET OMAHA, NEBRASKA 68102

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 21-25, 1985 (85-23) ROUTINE. UNANNOUNCED INSPECTION OF THE LICENSEE'S QUALITY ASSURANCE PROGRAM, PROCUREMENT PROGRAM, MATERIAL RECEIPT HANDLING AND STORAGE PROGRAM, DOCUMENT CONTROL, AND THE FORT CALHOUN STATION PLANT REVIEW COMMITTEE. WITHIN THE AREAS INSPECTED NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION CONDUCTED NOVEMBER 4-8, 1985 (85-25) ROUTINE. UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIATION PROTECTION PROGRAM FOR CONTROLLING OCCUPATIONAL EXPOSURES DURING A REFUELING OUTAGE INCLUDING ADVANCED PLANNING AND PREPARATION, TRAINING, EXTERNAL EXPOSURE CONTROL, INTERNAL EXPOSURE CONTROL, RADWASTE AND CONTAMINATED MATERIALS CONTROL, POSTING, LABELLING, WORKER CONTROL, AND INDEPENDENT MEASUREMENTS. IN ADDITION, THE NRC INSPECTORS REVIEWED THE LICENSEE'S ACTIONS ON THREE OPEN ITEMS RELATED TO NUREG-0737 TMI ACTION PLAN REQUIREMENTS. THE INSPECTION INVOLVED 82 INSPECTOR-HOURS ONSITE BY 2 NRC INSPECTORS. WITHIN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED. TWO UNRESOLVED ITEMS WERE IDENTIFIED.

INSPECTION CONDUCTED OCTOBER 1 - NOVEMBER 30, 1985 (85-24) ROUTINE. UNANNOUNCED INSPECTION INCLUDING OPERATIONAL SAFETY VERIFICATION, MAINTENANCE, SURVEILLANCE, AND FOLLOWUP ON PREVIOUSLY IDENTIFIED ITEMS. THE INSPECTION INVOLVED 94 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. WITHIN THE FOUR AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

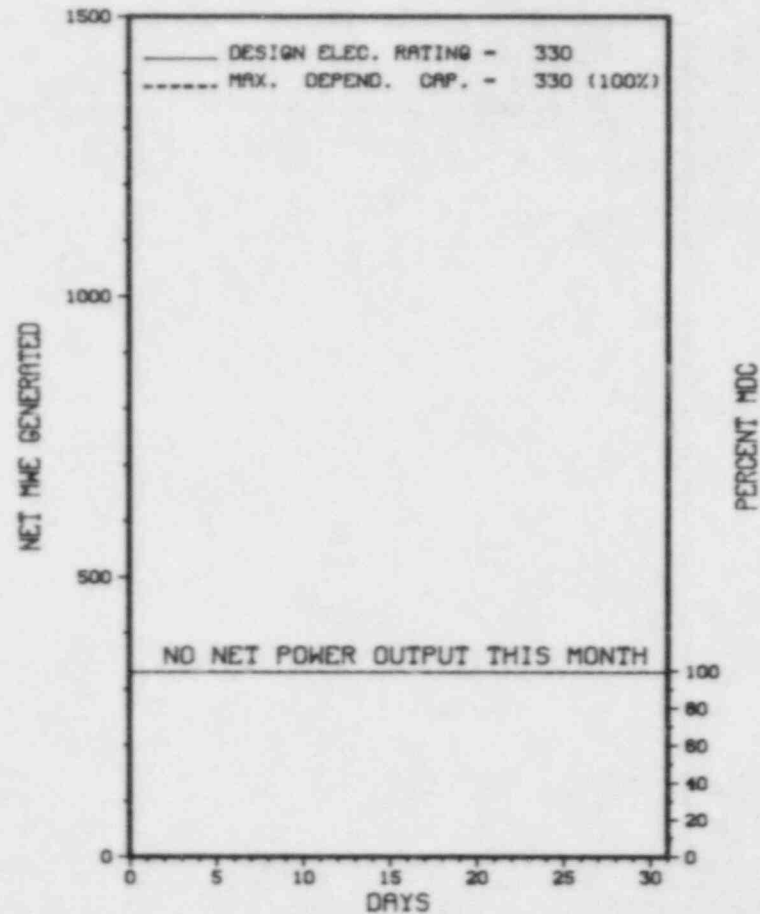
1. Docket: 50-267 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
3. Utility Contact: FRANK NOVACHEK (303) 785-2224
4. Licensed Thermal Power (MWT): 842
5. Nameplate Rating (Gross MWe): 403 X 0.85 = 343
6. Design Electrical Rating (Net MWe): 330
7. Maximum Dependable Capacity (Gross MWe): 342
8. Maximum Dependable Capacity (Net MWe): 330
9. If Changes Occur Above Since Last Report, Give Reasons: NONE
10. Power Level To Which Restricted, If Any (Net MWe): _____
11. Reasons for Restrictions, If Any: NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>57,025.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>884.8</u>	<u>28,036.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>.0</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>33,368</u>	<u>9,743,167</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>0</u>	<u>3,248,888</u>
19. Net Elec Ener (MWH)	<u>-3,668</u>	<u>-32,706</u>	<u>2,896,046</u>
20. Unit Service Factor	<u>.0</u>	<u>.0</u>	<u>32.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>.0</u>	<u>32.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>.0</u>	<u>15.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>.0</u>	<u>15.4</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>57.6</u>
25. Forced Outage Hours	<u>744.0</u>	<u>8,760.0</u>	<u>25,089.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): NONE
27. If Currently Shutdown Estimated Startup Date: 02/20/86

 * FORT ST VRAIN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 FORT ST VRAIN



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* FORT ST VRAIN *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-003	11/05/85	F	744.0	D	4		ZZ	ZZZZZ	ENVIRONMENTAL QUALIFICATION.

* SUMMARY *

FT. ST. VRAIN REMAINS SHUTDOWN FOR MAINTENANCE AND TESTING.

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

* FORT ST VRAIN *

FACILITY DATA

Report Period DEC 1985

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.....R. FARRELL
LICENSING PROJ MANAGER.....K. HEITMER
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

INSPECTION CONDUCTED OCTOBER 21-25, 1985 85-31 ROUTINE, UNANNOUNCED INSPECTION OF FT. ST. VRAIN GENERATING STATION. THE INSPECTION INVOLVED 39 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

ENFORCEMENT SUMMARY

INADEQUATE COMPENSATORY MEASURES; SAFEGUARDS INFO
(8502 1)

FAILURE TO REPORT A NONEMERGENCY EVENT WITHIN 4 HOURS AS REQUIRED BY 10CFR 50.72.
(8502 4)

INADEQUATE CORRECTIVE ACTION. THE LICENSEE UNDER TOOK REPAIRS OF DAMAGED PRESSURE SWITCHES ON THE DIESEL GENERATOR AIR START SYSTEMS. THE LICENSEE REPAIRED THE DAMAGED SWITCHES IN DIESEL ROOM A AND LEFT THE DAMAGED SWITCHES IN DIESEL ROOM B AS IS.

(8502 5)

Report Period DEC 1985

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

* FORT ST VRAIN *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

PLANT SHUTDOWN FOR EQ MODIFICATION AND QUALIFICATION

LAST IE SITE INSPECTION DATE: OCTOBER 21-25, 1985

INSPECTION REPORT NO: 50-267/85-31

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

NONE			

=====

1. Docket: 50-244 OPERATING STATUS
2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
3. Utility Contact: ANDREW MC NAMARA (315) 524-4446
4. Licensed Thermal Power (MHT): 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:

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>141,120.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,838.5</u>	<u>108,286.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,687.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,702.2</u>	<u>105,995.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>8.5</u>
17. Gross Therm Ener (MWH)	<u>1,119,144</u>	<u>11,436,864</u>	<u>147,722,225</u>
18. Gross Elec Ener (MWH)	<u>375,569</u>	<u>3,825,449</u>	<u>48,310,852</u>
19. Net Elec Ener (MWH)	<u>357,270</u>	<u>3,620,296</u>	<u>45,803,318</u>
20. Unit Service Factor	<u>100.0</u>	<u>87.9</u>	<u>75.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>87.9</u>	<u>75.1</u>
22. Unit Cap Factor (MDC Net)	<u>102.2</u>	<u>87.9</u>	<u>70.7*</u>
23. Unit Cap Factor (DER Net)	<u>102.2</u>	<u>87.9</u>	<u>70.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.8</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>144.8</u>	<u>4,243.8</u>

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

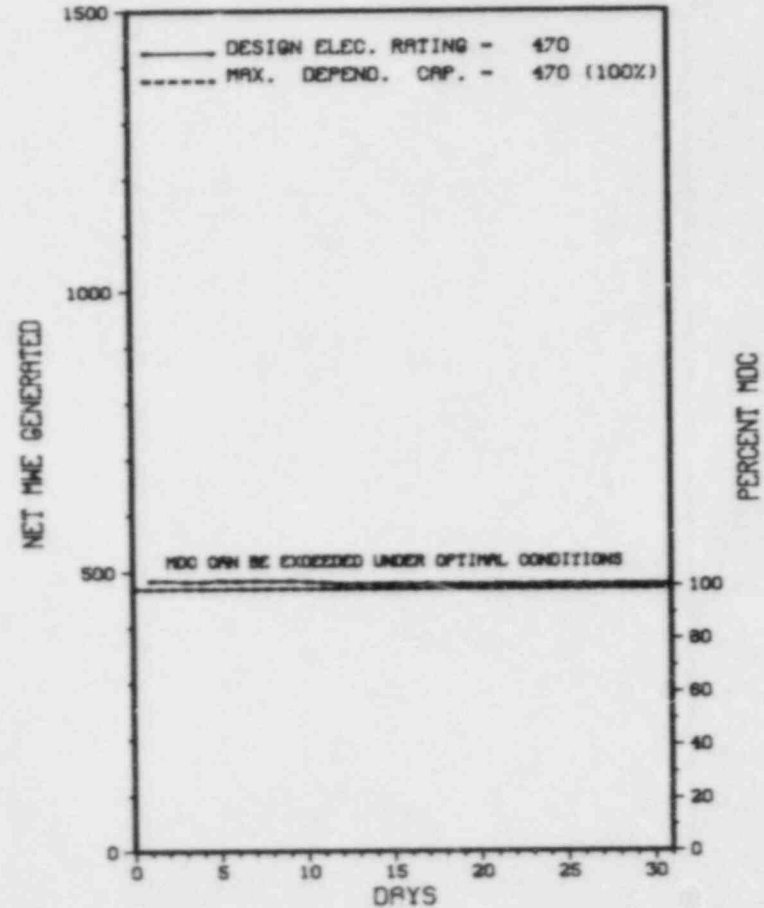
REFUELING AND MAINTENANCE - 02/08/86 - 49 DAYS.

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

X GINNA X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GINNA



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* GINNA *

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

NONE

***** GINNA OPERATED AT FULL POWER IN DECEMBER.
* SUMMARY *

<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)

* GINNA *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....NEW YORK
COUNTY.....WAYNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...15 MI NE OF
ROCHESTER, NY
TYPE OF REACTOR.....PHR
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
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, DECEMBER 10, 1984
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

10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," REQUIRES THAT ACTIVITIES AFFECTING QUALITY BE PRESCRIBED BY DOCUMENTED PROCEDURES AND ACCOMPLISHED IN ACCORDANCE WITH THESE PROCEDURES. GINNA STATION QUALITY ASSURANCE MANUAL, SECTION NO. 5, PARAGRAPH 5.1 "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," STATES, IN PART, THAT "ACTIVITIES AFFECTING QUALITY WILL BE CONDUCTED IN ACCORDANCE WITH DOCUMENTED INSTRUCTIONS AND PROCEDURES. CONTRARY TO THE ABOVE, AS OF FEBRUARY 15, 1985, IT WAS DETERMINED THAT THE VALVE PREVENTIVE MAINTENANCE PROGRAM REVIEWS AND VALVE INSPECTIONS WERE NOT ACCOMPLISHED AS PRESCRIBED IN ADMINISTRATIVE PROCEDURE A-1020, "VALVE PREVENTIVE MAINTENANCE PROGRAM," REVISION 2, MARCH 7, 1984.

(8500 5)

TECHNICAL SPECIFICATION 4.10.1 STATES THAT RADIOLOGICAL ENVIRONMENTAL MONITORING SAMPLES SHALL BE ANALYZED PURSUANT TO THE REQUIREMENTS OF TABLE 4.10.1. TABLE 4.10.1, MAXIMUM VALUES FOR THE LOWER LIMITS OF DETECTION (LLD), STATES THAT AN LLD OF 1 PICOCURIE PER LITER FOR I-131 SHALL BE ACHIEVED ON 98% OF WATER SAMPLE ANALYSES. CONTRARY TO THE ABOVE, THE LLD OF 1 PICOCURIE

ENFORCEMENT SUMMARY

PER LITER WAS NOT ACHIEVED FOR I-131 FOR ALL WATER SAMPLE ANALYSES FOR THE REPORTING PERIOD FROM JANUARY 1984 TO THE PRESENT. THE LLD ACHIEVED RANGED BETWEEN 8 AND 110 PICOCURIES PER LITER. TECHNICAL SPECIFICATION 6.8.1 REQUIRES, IN PART, THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED COVERING THE ACTIVITIES REFERENCED IN APPENDIX A OF REGULATORY GUIDE 1.33, NOVEMBER 1972. ONE OF THOSE ACTIVITIES, PROCEDURES FOR CONTROL OF MEASURING AND TEST EQUIPMENT, IN SECTION H OF APPENDIX A, RG 1.33, REQUIRES THAT PROCEDURES BE PROVIDED TO ASSURE THAT...INSTRUMENTS...ARE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY. CONTRARY TO THE ABOVE, NO WRITTEN PROCEDURE FOR THE CALIBRATION OF THE BAIRD LOW ACTIVITY COUNTER HAD BEEN ESTABLISHED, AND FOUR OTHER PROCEDURES INCLUDING HP-10.9, HP-10.5, CP-250 AND CP-251 DID NOT SPECIFY THE FREQUENCY FOR THE CALIBRATION AND ADJUSTMENT OF THE EQUIPMENT TO MAINTAIN ACCURACY. THE EQUIPMENT USED TO PERFORM THE REQUIRED ANALYTICAL MEASUREMENTS INCLUDED THE LIQUID SCINTILLATION COUNTER, THE GAMMA SPECTROMETER, THE METEOROLOGICAL INSTRUMENTATION, AND THE METEOROLOGICAL TRANSMITTERS.

(8501 4)

TECHNICAL SPECIFICATION 3.16.1.1 STATES, IN PART, THAT THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM SHALL BE CONDUCTED AS SPECIFIED IN TABLE 3.16-1. TABLE 3.16-1, SECTION 3, REQUIRES A COMPOSITE SAMPLE OF WATER TO BE COLLECTED AT THE RUSSELL STATION BY COLLECTING AN ALIQUOT AT INTERVALS NOT EXCEEDING 2 HOURS. CONTRARY TO THE ABOVE, THE WATER SAMPLE AT THE RUSSELL STATION HAS NOT BEEN COMPOSITED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TECHNICAL SPECIFICATIONS. FROM JANUARY 1984 TO THE DATE OF THE INSPECTION, COMPOSITE WATER SAMPLES WERE COLLECTED BY TAKING A DAILY ALIQUOT AT THE RUSSELL STATION. TECHNICAL SPECIFICATION 6.9.1.3, "ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT," REQUIRES THE INCLUSION OF SUMMARIZED AND TABULATED RESULTS IN THE FORM OF A TABLE OF ALL RADIOLOGICAL ENVIRONMENTAL SAMPLES TAKEN DURING THE REPORT PERIOD. CONTRARY TO THE ABOVE, THE 1984 ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT WAS SUBMITTED WITH LLDS PROVIDED IN TABLE XII OF THE REPORT WHICH WERE THE LLDS OF PREVIOUS YEARS. THE LLDS REPORTED IN THE 1984 ANNUAL REPORT DID NOT REPRESENT THE ACTUAL LLD DATA FOR 1984. 10 CFR 50, APPENDIX B, CRITERION V, "INSTRUCTIONS, PROCEDURES, AND DRAWINGS," STATES, IN PART, "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." STATION ADMINISTRATIVE ORDER, SAO-133, "PROCEDURE, TECHNICAL SPECIFICATION AND LICENSE ADHERENCE AND USE POLICY," STATES, IN PART, "PROCEDURES SHALL BE FOLLOWED." OPERATION'S ADMINISTRATIVE DIRECTIVE, OAD-21, "OPERATIONS INFORMATION FEEDBACK SYSTEM," STATES, IN PART, "CHIEF OPERATIONS ENGINEER IS RESPONSIBLE FOR ENSURING THAT IMPORTANT INFORMATION IS BROUGHT TO THE ATTENTION OF OPERATORS TO ENSURE CONTINUED SAFE PLANT OPERATION." OAD-21 FURTHER STATES, IN PART, THAT AN OPERATIONS INFORMATION FEEDBACK SYSTEM SIGN-OFF SHEET, WITH PROPER INFORMATION, BE DISTRIBUTED WITH IMPORTANT INFORMATION TO OPERATIONS PERSONNEL. CONTRARY TO THE ABOVE, ON APRIL 18, 1985, THE INSPECTOR IDENTIFIED THAT AMENDMENT NO. 93 TO TECHNICAL SPECIFICATIONS HAD BEEN ISSUED WITHOUT AN INFORMATION FEEDBACK SYSTEM SIGN-OFF SHEET BEING ISSUED. (8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-416 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3833

5. Nameplate Rating (Gross MWe): 1373

6. Design Electrical Rating (Net MWe): 1250

7. Maximum Dependable Capacity (Gross MWe): 1157

8. Maximum Dependable Capacity (Net MWe): 1108

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>744.0</u>	<u>4,417.0</u>	<u>4,417.0</u>
13. Hours Reactor Critical	<u>491.7</u>	<u>2,883.4</u>	<u>2,883.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>365.1</u>	<u>2,692.5</u>	<u>2,692.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,144,774</u>	<u>9,080,831</u>	<u>9,080,831</u>
18. Gross Elec Ener (MWH)	<u>347,460</u>	<u>2,792,890</u>	<u>2,792,890</u>
19. Net Elec Ener (MWH)	<u>325,887</u>	<u>2,654,149</u>	<u>2,654,149</u>
20. Unit Service Factor	<u>49.1</u>	<u>61.0</u>	<u>61.0</u>
21. Unit Avail Factor	<u>49.1</u>	<u>61.0</u>	<u>61.0</u>
22. Unit Cap Factor (MDC Net)	<u>39.5</u>	<u>54.2</u>	<u>54.2</u>
23. Unit Cap Factor (DER Net)	<u>35.0</u>	<u>48.1</u>	<u>48.1</u>
24. Unit Forced Outage Rate	<u>27.9</u>	<u>10.3</u>	<u>10.3</u>
25. Forced Outage Hours	<u>141.1</u>	<u>309.7</u>	<u>309.7</u>

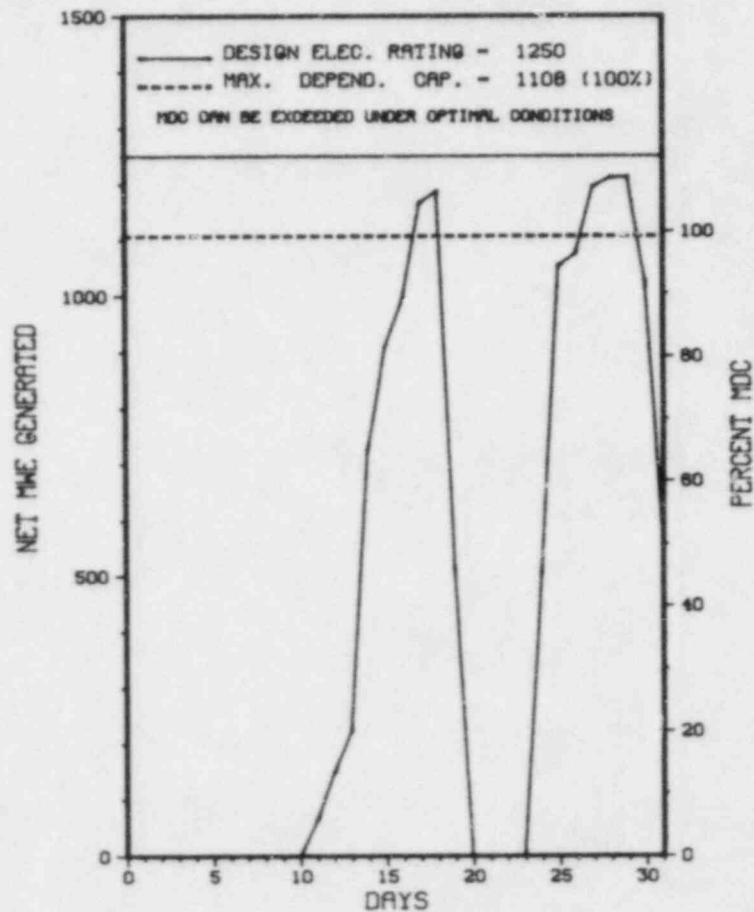
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE - JUNE 1986.

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

 * GRAND GULF 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

GRAND GULF 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * GRAND GULF 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-23	10/13/85	S	237.8	H	4				SCHEDULED MAINTENANCE OUTAGE.
85-24	12/11/85	F	19.3	A	2		SN		THE MAIN TURBINE WAS MANUALLY TRIPPED TO REPAIR A STEAM LEAK AT A GASKET ON THE "A" MOISTURE SEPARATER REHEATER SECOND STAGE DRAIN TANK.
85-25	12/19/85	F	110.7	A	2		SG	HTEXCH	THE PLANT WAS SHUTDOWN TO REPAIR A MAIN CONDENSER TUBE LEAK. RESTART COMMENCED ON 12/22/85.
85-26	12/31/85	F	11.1	G	3	85-050	SD	PUMPEX	FAULTY INDICATION OF CONDENSER HOTWELL LEVEL LED TO A HOTWELL LOW CONDENSATE LEVEL WHICH CAUSED CONDENSATE PUMP TRIPS.

***** GRAND GULF 1 INCURRED 4 OUTAGES IN DECEMBER DISCUSSED ABOVE.
 * 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)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* GRAND GULF 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MISSISSIPPI
COUNTY.....CLAIBORNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI S OF
VICKSBURG, MISS
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...AUGUST 18, 1982
DATE ELEC ENER 1ST GENER...OCTOBER 20, 1984
DATE COMMERCIAL OPERATE.... JULY 1, 1985
CONDENSER COOLING METHOD...CCHNDCT
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. BUTCHER
LICENSING PROJ MANAGER....L. KINTNER
DOCKET NUMBER.....50-416
LICENSE & DATE ISSUANCE...NPF-29, NOVEMBER 1, 1984
PUBLIC DOCUMENT ROOM.....HINDS JUNIOR COLLEGE
MC LENDON LIBRARY
RAYMOND, MISSISSIPPI 39154

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

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 2-7 (85-42): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 80 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING THE INTEGRATED LEAK RATE TEST, REVIEWING SURVEILLANCE TEST PROCEDURES, AND FOLLOWING UP OUTSTANDING ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period DEC 1985

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)

* G R A N D G U L F 1 *

OTHER ITEMS

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

+ ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: NOVEMBER 2-7, 1985 +

INSPECTION REPORT NO: 50-416/85-42 +

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: 50-213 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>157,800.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,682.4</u>	<u>136,399.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>21.0</u>	<u>1,221.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,597.3</u>	<u>130,800.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>24.3</u>	<u>398.0</u>
17. Gross Therm Ener (MWH)	<u>1,244,703</u>	<u>14,928,729</u>	<u>227,115,912</u>
18. Gross Elec Ener (MWH)	<u>407,549</u>	<u>4,871,719</u>	<u>74,530,438</u>
19. Net Elec Ener (MWH)	<u>387,151</u>	<u>4,638,100</u>	<u>70,901,091</u>
20. Unit Service Factor	<u>100.0</u>	<u>98.1</u>	<u>82.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>98.4</u>	<u>83.1</u>
22. Unit Cap Factor (MDC Net)	<u>91.5</u>	<u>93.1</u>	<u>82.5*</u>
23. Unit Cap Factor (DER Net)	<u>89.4</u>	<u>91.0</u>	<u>77.3*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.6</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>138.0</u>	<u>1,326.1</u>

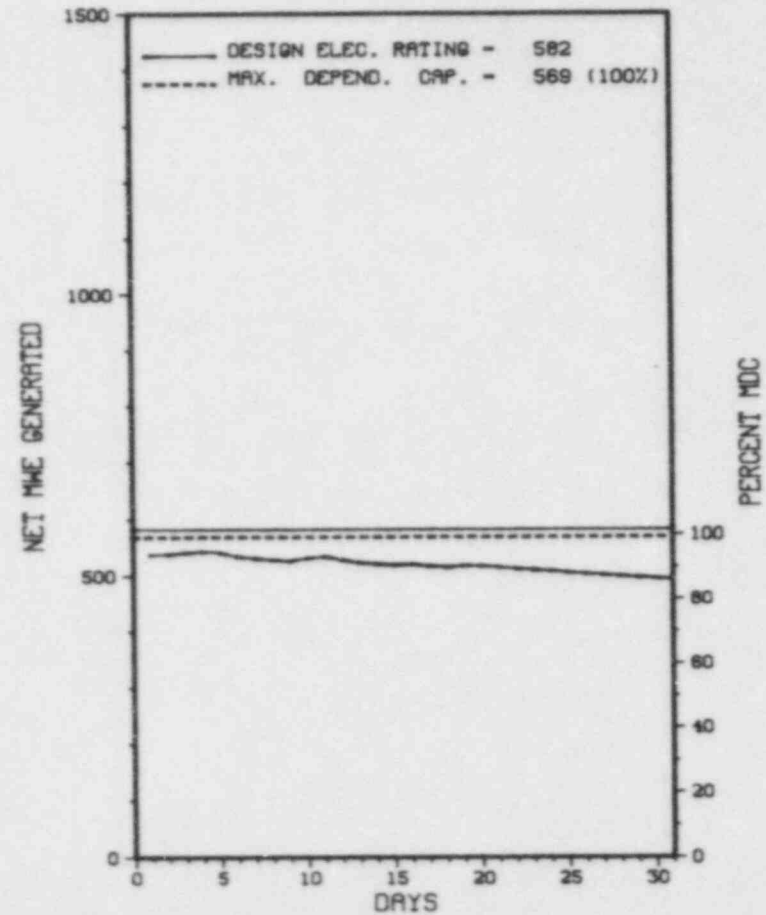
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, 1/4/86, 11 WEEK DURATION.

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

* HADDAM NECK *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HADDAM NECK



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* HADDAM NECK *

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

NONE

* SUMMARY *

HADDAM NECK OPERATED ROUTINELY IN DECEMBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.

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

* HADDAM NECK *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....CONNECTICUT
COUNTY.....MIDDLESEX
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...13 MI E OF
MERIDEN, CONN
TYPE OF REACTOR.....FWR
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 DEC 1985

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.

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

=====

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

=====

1. Docket: 50-321 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: GARY M. KOERBER (912) 567-7781 X2882

4. Licensed Thermal Power (MWh): 2436

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

6. Design Electrical Rating (Net MWe): 777

7. Maximum Dependable Capacity (Gross MWe): 801

8. Maximum Dependable Capacity (Net MWe): 752

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>87,672.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,907.5</u>	<u>62,052.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,698.5</u>	<u>58,566.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>15,252,501</u>	<u>124,432,255</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,986,310</u>	<u>40,232,840</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>4,761,368</u>	<u>38,209,178</u>
20. Unit Service Factor	<u>.0</u>	<u>76.5</u>	<u>66.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>76.5</u>	<u>66.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>72.3</u>	<u>58.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>70.0</u>	<u>56.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.3</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>942.4</u>	<u>10,520.0</u>

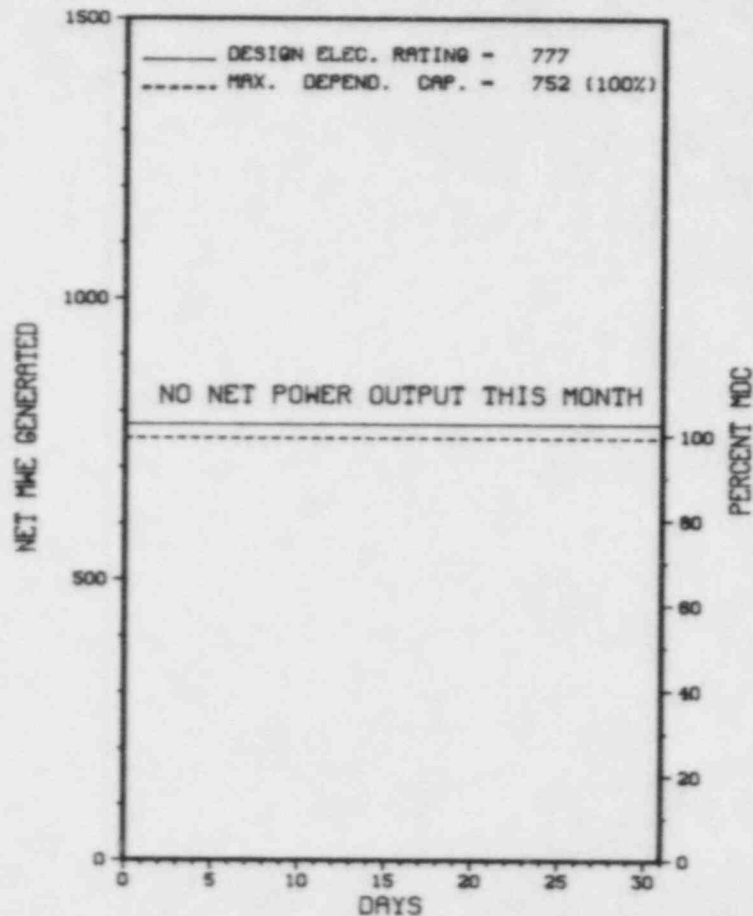
26. Shutdowns Sched Over Next 6 Months (Type, Dte, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 04/01/86

* HATCH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

HATCH 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* HATCH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-084	12/01/85	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

***** HATCH 1 REMAINS SHUTDOWN FOR REFUELING.
* 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)

* HATCH 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 12 - NOVEMBER 9 (85-32): THIS INSPECTION INVOLVED 73 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; ONE IN THE AREA OF PROCEDURE ADEQUACY (PARAGRAPH 9) AND ONE IN THE AREA OF REPORTING (PARAGRAPH 9).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

XX
X HATCH 1 X
XX

Report Period DEC 1985 INSPECTION STATUS - (CONTINUED)

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

UNIT UNDER GOING 14 WEEKS REFUELING AND MAINTENANCE OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 12 - NOVEMBER 9, 1985 +

INSPECTION REPORT NO: 50-321/85-32 +

REPORTS FROM LICENSE

=====

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

NONE.

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * HATCH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-056	12/01/85	S	0.0	B	5		RC	CONROD	LOAD REDUCTION FOR CONTROL ROD EXERCISE.
85-057	12/08/85	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING.
85-058	12/15/85	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING.
85-059	12/20/85	S	0.0	B	5		HA	TURBIN	WEEKLY TURBINE TESTING TURBINE VALVE TESTING.
85-060	12/20/85	S	0.0	B	5		HA	TURBIN	REDUCING LOAD FOR SHUTDOWN TO INSPECT TURBIN BLADES.
85-061	12/25/85	S	109.4	B	2		HA	TURBIN	MANUAL SCRAM FOR INSPECTION OF TURBINE BLADE.
85-062	12/30/85	S	0.0	B	5		HA	TURBIN	SCRAM RECOVERY FOLLOWING TURBINE BLADE INSPECTION.

 * SUMMARY *

 HATCH 2 EXPERIENCED 1 OUTAGE AND SEVERAL POWER REDUCTIONS IN DECEMBER AS DISCUSSED ABOVE.

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

* HATCH 2 *

FACILITY DATA

Report Period DEC 1985

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 FLEEC ENER 1ST GENER...SEPTEMBER 22, 1978
DATE COMMERCIAL OPERATE....SEPTEMBER 5, 1979
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...ALTAMAHA RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. HOLMES RAY
LICENSING PROJ MANAGER.....G. RIVENBARK
DOCKET NUMBER.....50-366
LICENSE & DATE ISSUANCE...NPF-5, JUNE 13, 1978
PUBLIC DOCUMENT ROOM.....APPLING COUNTY PUBLIC LIBRARY
501 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 12 - NOVEMBER 9 (85-32): THIS INSPECTION INVOLVED 74 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, AND SURVEILLANCE ACTIVITIES. OF THE AREAS INSPECTED, TWO VIOLATIONS WERE IDENTIFIED; ONE IN THE AREA OF PROCEDURE ADEQUACY (PARAGRAPH 9) AND ONE IN THE AREA OF REPORTING (PARAGRAPH 9).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

* HATCH 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

ROUTINE OPERATIONS.

LAST IE SITE INSPECTION DATE: OCTOBER 12 - NOVEMBER 9, 1985 +

INSPECTION REPORT NO: 50-366/85-32 +

REPORTS FROM LICENSEE

.....

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

.....

1. Docket: 58-247 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mbt): 2758

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

6. Design Electrical Rating (Net MWe): 873

7. Maximum Dependable Capacity (Gross MWe): 900

8. Maximum Dependable Capacity (Net MWe): 864

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>100,849.0</u>
13. Hours Reactor Critical	<u>716.8</u>	<u>8,504.1</u>	<u>69,170.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>152.6</u>	<u>2,497.6</u>
15. Hrs Generator On-Line	<u>708.9</u>	<u>8,386.4</u>	<u>67,136.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,940,952</u>	<u>22,121,952</u>	<u>174,834,207</u>
18. Gross Elec Ener (MWH)	<u>609,750</u>	<u>6,932,860</u>	<u>54,250,476</u>
19. Net Elec Ener (MWH)	<u>587,441</u>	<u>6,665,039</u>	<u>51,178,858</u>
20. Unit Service Factor	<u>95.3</u>	<u>95.7</u>	<u>66.6</u>
21. Unit Avail Factor	<u>95.3</u>	<u>95.7</u>	<u>66.6</u>
22. Unit Cap Factor (MDC Net)	<u>91.4</u>	<u>89.0</u>	<u>59.8*</u>
23. Unit Cap Factor (DER Net)	<u>90.4</u>	<u>87.2</u>	<u>58.1</u>
24. Unit Forced Outage Rate	<u>4.7</u>	<u>3.5</u>	<u>9.1</u>
25. Forced Outage Hours	<u>25.1</u>	<u>305.2</u>	<u>6,473.8</u>

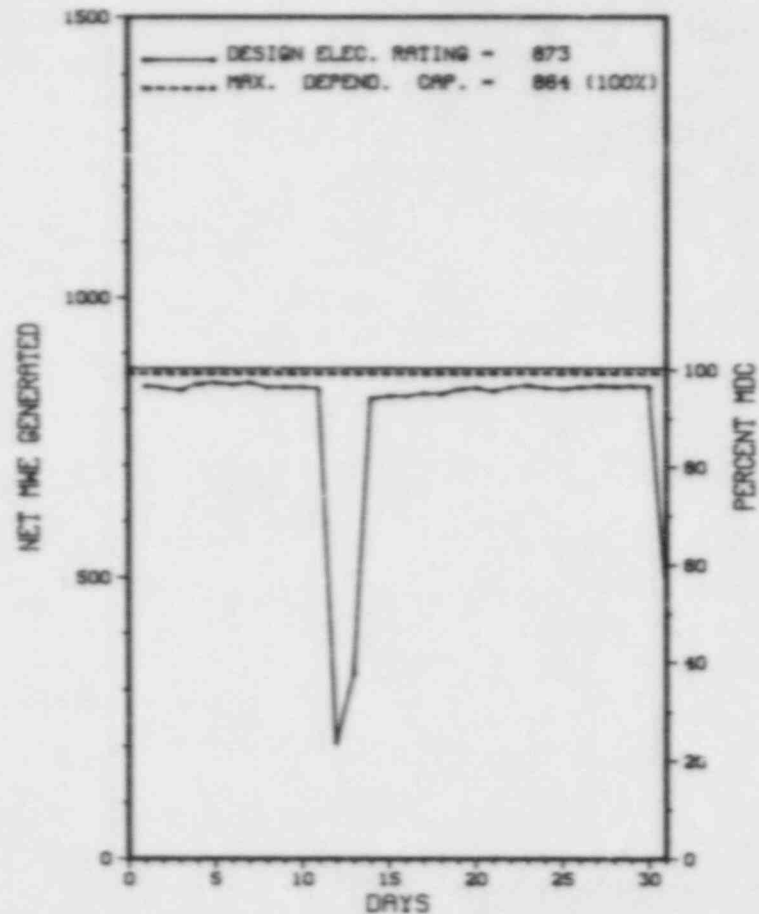
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING AND MAINTENANCE, 1-15-86, 60 DAYS.

27. If Currently Shutdown Estimated Startup Date: 01/01/86

* INDIAN POINT 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 2



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * INDIAN POINT 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	12/12/85	F	25.0	A	3	85-016	IA	INSTRU	NO. 21 REACTOR COOLANT LOOP LOW FLOW BISTABLE FAILURE.
13	12/31/85	F	10.1	A	3	85-017	CJ	VALVEX	RAPID RATE OF CHANGE OF PRESSURIZER PRESSURE.

 * SUMMARY *

 INDIAN POINT 2 INCURRED 2 SHUTDOWNS IN DECEMBER AS OUTLINED ABOVE.

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

X INDIAN POINT 2 X

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....NEW YORK
COUNTY.....WESTCHESTER
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI N OF
NEW YORK CITY, NY
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1973
DATE ELEC ENER 1ST GENER...JUNE 26, 1973
DATE COMMERCIAL OPERATE...AUGUST 1, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...HUDSON RIVER
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. ROSSBACH
LICENSING PROJ MANAGER.....M. SLOSSON
DOCKET NUMBER.....50-247
LICENSE & DATE ISSUANCE...DPR-26, SEPTEMBER 28, 1973
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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 DEC 1985

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

* INDIAN POINT 2 *

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: 50-286 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3025

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

6. Design Electrical Rating (Net MWe): 965

7. Maximum Dependable Capacity (Gross MWe): 1000

8. Maximum Dependable Capacity (Net MWe): 965

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>81,865.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,901.1</u>	<u>47,267.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,785.5</u>	<u>45,633.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,002,904</u>	<u>15,072,828</u>	<u>118,721,964</u>
18. Gross Elec Ener (MWH)	<u>657,210</u>	<u>4,962,220</u>	<u>37,604,586</u>
19. Net Elec Ener (MWH)	<u>633,238</u>	<u>4,728,523</u>	<u>36,014,391</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.0</u>	<u>55.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.0</u>	<u>55.7</u>
22. Unit Cap Factor (MDC Net)	<u>88.2</u>	<u>55.9</u>	<u>45.6</u>
23. Unit Cap Factor (DER Net)	<u>88.2</u>	<u>55.9</u>	<u>45.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.1</u>	<u>19.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>125.9</u>	<u>11,193.0</u>

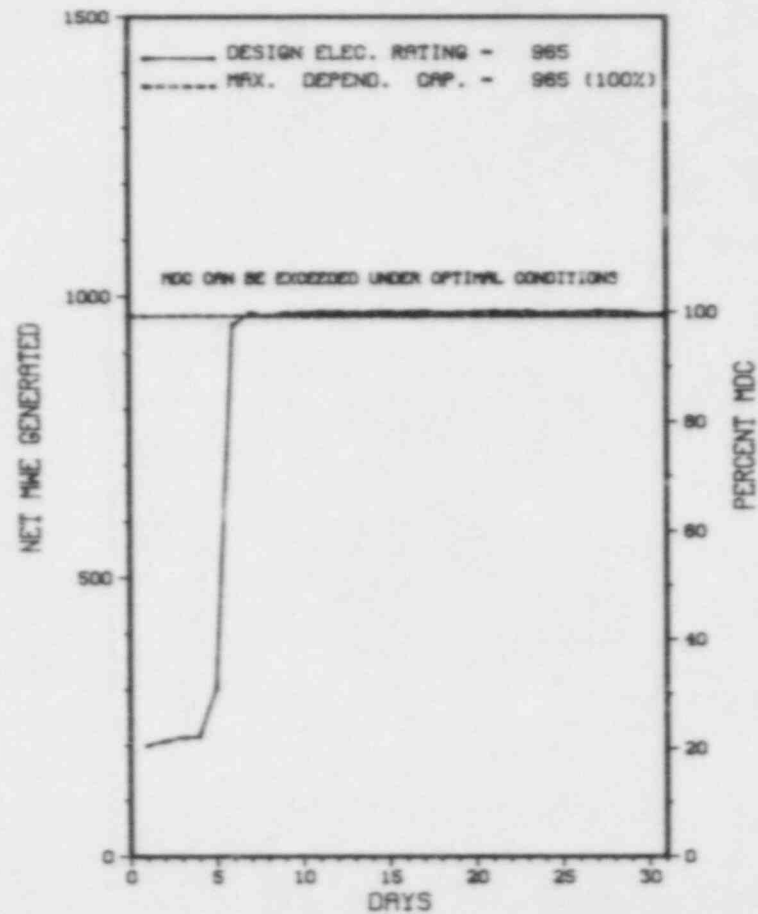
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
STEAM GENERATOR INSPECTION, APRIL 1986.

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

* INDIAN POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

INDIAN POINT 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X INDIAN POINT 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

NONE

XXXXXXXXXX INDIAN POINT 3 OPERATED ROUTINELY IN DECEMBER WITH NO SHUTDOWNS OR POWER REDUCTIONS REPORTED.
* SUMMARY *
XXXXXXXXXX

<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	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		

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X INDIAN POINT 3 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

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.....P. KOLTAY
LICENSING PROJ MANAGER.....D. NEIGHBORS
DOCKET NUMBER.....50-286
LICENSE & DATE ISSUANCE...DPR-64, APRIL 5, 1976
PUBLIC DOCUMENT ROOM.....WHITE PLAINS PUBLIC LIBRARY
100 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period DEC 1985

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)

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

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

.....

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

.....

1. Docket: 50-305 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 1650

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

6. Design Electrical Rating (Net MWe): 535

7. Maximum Dependable Capacity (Gross MWe): 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>744.0</u>	<u>8,760.0</u>	<u>101,209.0</u>
13. Hours Reactor Critical	<u>740.2</u>	<u>7,266.5</u>	<u>86,017.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,330.5</u>
15. Hrs Generator On-Line	<u>735.5</u>	<u>7,214.7</u>	<u>84,555.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>10.0</u>
17. Gross Therm Ener (MWH)	<u>1,181,501</u>	<u>11,640,609</u>	<u>132,707,733</u>
18. Gross Elec Ener (MWH)	<u>393,300</u>	<u>3,881,200</u>	<u>43,738,500</u>
19. Net Elec Ener (MWH)	<u>375,505</u>	<u>3,699,176</u>	<u>41,641,212</u>
20. Unit Service Factor	<u>98.9</u>	<u>82.4</u>	<u>83.5</u>
21. Unit Avail Factor	<u>98.9</u>	<u>82.4</u>	<u>83.6</u>
22. Unit Cap Factor (MDC Net)	<u>100.3</u>	<u>84.0</u>	<u>79.5*</u>
23. Unit Cap Factor (DER Net)	<u>94.3</u>	<u>78.9</u>	<u>76.9</u>
24. Unit Forced Outage Rate	<u>1.1</u>	<u>.6</u>	<u>3.3</u>
25. Forced Outage Hours	<u>8.5</u>	<u>46.0</u>	<u>2,791.4</u>

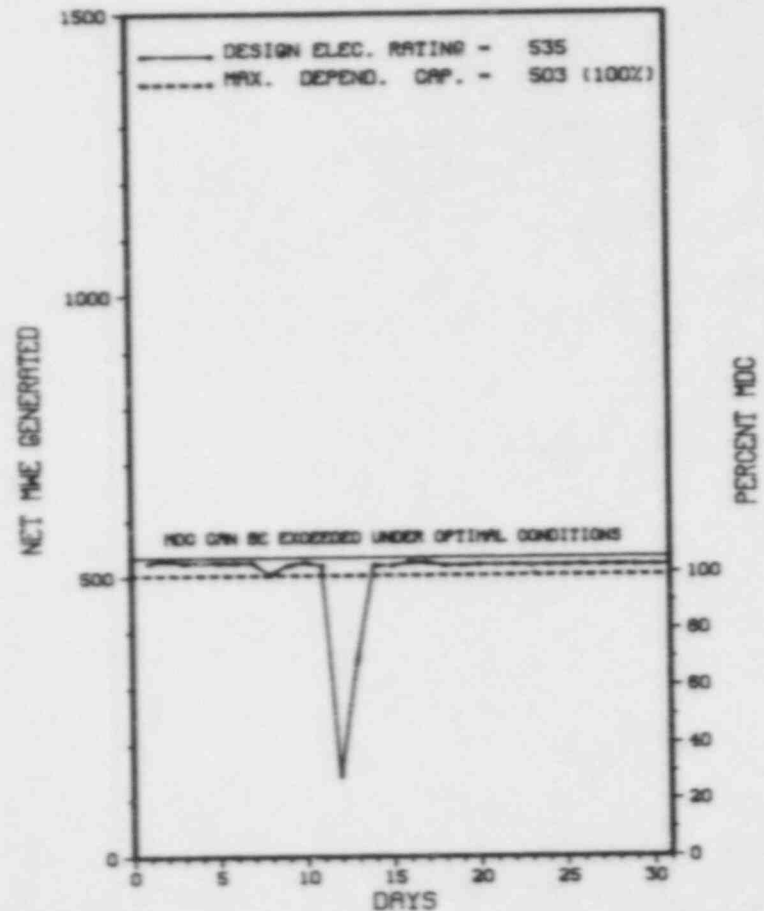
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE, FEBRUARY 28, 1986.

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

* KEWAUNEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

KEWAUNEE



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * KENAUNEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	12/12/85	F	8.5	A	3	85-023	ED	INSTRU	AN INSTRUMENT BUS FAILURE RESULTED IN A LOSS OF CONTROL POWER TO THE MAIN FEEDWATER CONTROL VALVE FOR ONE STEAM GENERATOR, CAUSING THE VALVE TO FAIL SHUT. THIS CONDITION RESULTED IN A REACTOR TRIP ON LOW STEAM GENERATOR LEVEL COINCIDENT WITH STEAM FLOW GREATER THAN FEEDWATER FLOW.

***** KENAUNEE OPERATED ROUTINELY IN DECEMBER.
 * 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)

* Kewaunee *

FACILITY DATA

Report Period DEC 1985

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 ELFC 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 NOVEMBER 5-7 (85017): ROUTINE, ANNOUNCED INSPECTION RELATIVE TO THE IMPLEMENTATION OF GENERIC LETTER (GL) 83-28 IN THE AREAS OF EQUIPMENT CLASSIFICATION, VENDOR INTERFACE, POST-MAINTENANCE TESTING, AND REACTOR TRIP SYSTEM RELIABILITY. LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS WERE ALSO REVIEWED. THE INSPECTION INVOLVED A TOTAL OF 48 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
R KEWAUNEE X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE PLANT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 1 - FEBRUARY 15, 1986

INSPECTION REPORT NO: 86002

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-20	11/13/85	12/13/85	REACTOR TRIP DUE TO FAILURE OF FEEDWATER REGULATOR VALVE
85-21	11/14/85	12/26/85	SOURCE RANGE CHANNEL SURVEILLANCE ERROR

=====

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 165

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

6. Design Electrical Rating (Net MWe): 50

7. Maximum Dependable Capacity (Gross MWe): 50

8. Maximum Dependable Capacity (Net MWe): 48

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>141,723.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,757.2</u>	<u>95,938.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>478.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,597.6</u>	<u>89,501.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>79.0</u>
17. Gross Therm Ener (MWH)	<u>115,521</u>	<u>1,111,555</u>	<u>12,458,947</u>
18. Gross Elec Ener (MWH)	<u>36,271</u>	<u>343,598</u>	<u>3,739,209</u>
19. Net Elec Ener (MWH)	<u>34,350</u>	<u>322,909</u>	<u>3,468,748</u>
20. Unit Service Factor	<u>100.0</u>	<u>86.7</u>	<u>63.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>86.7</u>	<u>63.2</u>
22. Unit Cap Factor (MDC Net)	<u>96.2</u>	<u>76.8</u>	<u>51.0</u>
23. Unit Cap Factor (DER Net)	<u>92.3</u>	<u>73.7</u>	<u>49.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.1</u>	<u>9.7</u>
25. Forced Outage Hours	<u>.0</u>	<u>241.9</u>	<u>8,595.7</u>

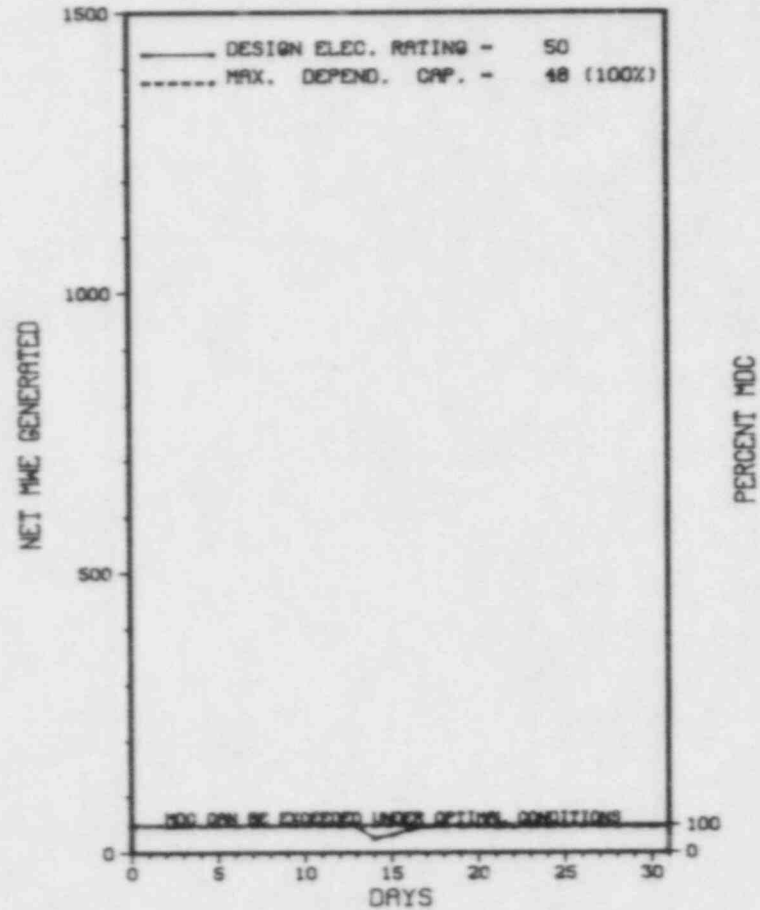
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, MARCH 2, 1986, 5-6 WEEKS.

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

* LA CROSSE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LA CROSSE



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* LA CROSSE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-15	12/14/85	F	0.0	A	5		CB	INSTRU	POWER DECREASED WHEN THE 1A FORCED CIRCULATION PUMP DISCHARGE VALVE CLOSED.

* SUMMARY *

LA CROSSE OPERATED ROUTINELY IN DECEMBER.

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

* LA CROSSE *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WISCONSIN

COUNTY.....VERNON

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

TYPE OF REACTOR.....BWR

DATE INITIAL CRITICALITY...JULY 11, 1967
DATE ELEC ENER 1ST GENER...APRIL 26, 1968
DATE COMMERCIAL OPERATE...NOVEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....DAIRYLAND POWER
CORPORATE ADDRESS.....2615 EAST AVENUE SOUTH
LACROSSE, WISCONSIN 54601

CONTRACTOR
ARCHITECT/ENGINEER.....SARGENT & LUNDY
NUC STEAM SYS SUPPLIER...ALLIS-CHALMERS
CONSTRUCTOR.....MAXON CONSTRUCTION COMPANY
TURBINE SUPPLIER.....ALLIS-CHALMERS

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....I. VILLALVA
LICENSING PROJ MANAGER.....J. STANG
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 FROM OCTOBER 16 THROUGH DECEMBER 16 (85018): ROUTINE, UNANNOUNCED INSPECTIONS BY THE RESIDENT INSPECTOR OF LICENSEE ACTIVITIES ON PREVIOUS INSPECTION FINDINGS, LICENSEE EVENT REPORTS, IE BULLETINS, REVIEW OF PLANT OPERATIONS, PLANT TRIPS, RECEIPT OF NEW FUEL, ONSITE REVIEW COMMITTEE, AND SAFETY REVIEW COMMITTEE MEETING. THE INSPECTION INVOLVED A TOTAL OF 100 INSPECTOR-HOURS ONSITE BY AN NRC INSPECTOR INCLUDING A TOTAL OF TWENTY INSPECTOR-HOURS DURING BACK SHIFTS. NO VIOLATIONS OF NRC REQUIREMENTS WERE NOTED.

INSPECTION ON NOVEMBER 12-15, (85020): ROUTINE UNANNOUNCED INSPECTION OF GASEOUS AND LIQUID RADIOACTIVE PROGRAM INCLUDING: EFFLUENT RELEASES RECORDS AND REPORTS OF EFFLUENTS; EFFLUENT CONTROL INSTRUMENTATION; PROCEDURES FOR CONTROLLING RELEASES; REACTOR COOLANT CHEMISTRY AND ACTIVITY, GASEOUS EFFLUENT FILTRATION; AND AUDITS. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* LA CROSSE *

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: DECEMBER 16, 1985 - FEBRUARY 1, 1986

INSPECTION REPORT NO: 85022

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE			
=====			

1. Docket: 50-373 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: JAMES P. PETERS (815) 357-6761

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>17,544.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,757.5</u>	<u>12,037.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>476.0</u>	<u>1,640.9</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,584.9</u>	<u>11,639.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>15,390,361</u>	<u>38,349,668</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,028,751</u>	<u>10,499,394</u>
19. Net Elec Ener (MWH)	<u>-9,098</u>	<u>4,809,395</u>	<u>10,015,604</u>
20. Unit Service Factor	<u>.0</u>	<u>63.8</u>	<u>66.3</u>
21. Unit Avail Factor	<u>.0</u>	<u>63.8</u>	<u>66.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>53.0</u>	<u>55.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>50.9</u>	<u>53.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>19.9</u>	<u>17.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,385.3</u>	<u>2,458.4</u>

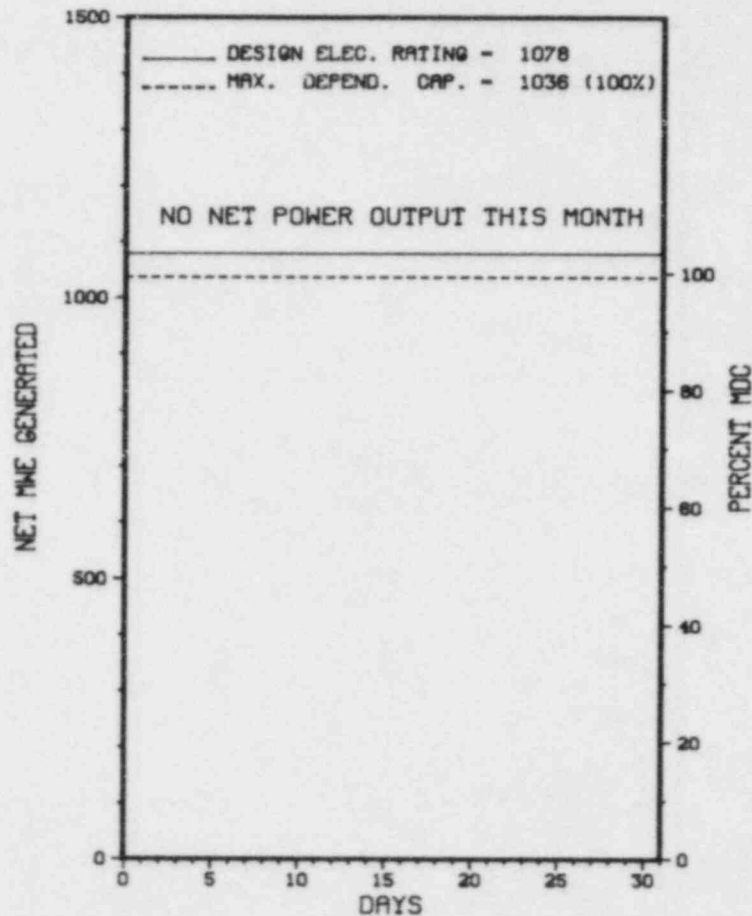
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/01/86

* LASALLE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* LASALLE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	10/18/85	S	744.0	C	4				REFUELING AND MAINTENANCE OUTAGE CONTINUED.

* SUMMARY *

LA SALLE 1 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.

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

* LASALLE 1 *

FACILITY DATA

Report Period DEC 1985

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 AUGUST 12-14, 26-28, AND SEPTEMBER 3 (85026): ROUTINE, ANNOUNCED INSPECTION OF CORRECTIVE ACTION TAKEN TO REDUCE EXCESSIVE TEMPERATURES IN UNIT 1 DRYWELL; APPLICABLE SURVEILLANCE PROCEDURES; ENVIRONMENTAL QUALIFICATION PROGRAM FOR SAFETY-RELATED EQUIPMENT IN THE DRYWELL; IMPLEMENTATION OF ENGINEERING MODIFICATIONS TO ELECTRICAL COMPONENTS; AND PROPOSED DRYWELL TEMPERATURE MONITORING PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 57 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR AND 8 HOURS AT THE AE OFFICES. OF THE AREAS INSPECTED, FOUR VIOLATIONS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATION 3/4.7.7; FAILURE TO ESTABLISH ADEQUATE SURVEILLANCE AND WORK PROCEDURES; FAILURE TO INITIATE PROMPT CORRECTIVE ACTION TO REVIEW AND EVALUATE ENGINEERING CHANGES; AND FAILURE TO DEMONSTRATE THAT COMPONENTS WERE CALIBRATED, TESTED AND SET TO THE STIPULATION OF THE CAUTION TAGS AFFIXED TO CONTROL ROOM CM RECORDERS AND ONE DEVIATION WITH FOUR PARTS (FAILURE TO ADHERE TO COMMITMENTS MADE IN CORRESPONDENCE WITH THE NRC) WERE IDENTIFIED.

INSPECTION ON AUGUST 27 THROUGH NOVEMBER 14 (85028): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE EVENT REPORTS AND CORRECTIVE ACTION IMPLEMENTED BY THE LICENSEE AS A RESULT OF THE EVENTS. THE INSPECTION INVOLVED A TOTAL OF 74 INSPECTOR-HOURS ONSITE AND NINE INSPECTOR-HOURS OF IN OFFICE REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION BETWEEN OCTOBER 30 AND NOVEMBER 22, (85036): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING REFUELING OF UNIT 1, INCLUDING: ALARA, EXPOSURE CONTROLS, RESPIRATORY PROTECTION, POSTING AND HIGH RADIATION CONTROLS, ORGANIZATION AND STAFFING, RADIOLOGICAL OCCURRENCE REPORTS, PREVIOUS INSPECTION FINDINGS, AND THE STATUS OF THE RADIATION PROTECTION IMPROVEMENT PROGRAM. THE INSPECTION INVOLVED 135 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS WERE IDENTIFIED IN FOURTEEN OF THE AREAS INSPECTED. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW HIGH RADIATION ENTRY

Report Period DEC 1985

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

* LASALLE 1 *

INSPECTION SUMMARY

AND EXIT PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN FOR ITS FIRST REFUELING ON OCTOBER 18, 1985

LAST IE SITE INSPECTION DATE: JANUARY 13 - 17, 1986

INSPECTION REPORT NO: 86004

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
85-66	11/05/85	12/02/85	CONTAINMENT ISOLATION VALVE FAILED LOCAL LEAK RATE TEST
85-67	11/20/85	12/19/85	CHLORINE DETECTOR ACTUATION
85-68	11/24/85	12/20/85	ISOLATION OF RHR SHUTDOWN COOLING SUCTION
85-69	11/30/85	12/20/85	MISSED FIRE PROTECTION SURVEILLANCE BY MECHANICAL MAINTENANCE DEPARTMENT

=====

1. Docket: 50-374 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: JAMES P. PETERS (815) 357-6761

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>10,536.0</u>
13. Hours Reactor Critical	<u>218.8</u>	<u>3,777.6</u>	<u>5,389.4</u>
14. Rx Reserve Shtdwn Hrs	<u>525.2</u>	<u>1,561.7</u>	<u>1,686.9</u>
15. Hrs Generator On-Line	<u>191.1</u>	<u>3,699.9</u>	<u>5,237.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>433,833</u>	<u>10,995,959</u>	<u>15,508,551</u>
18. Gross Elec Ener (MWH)	<u>139,634</u>	<u>3,625,074</u>	<u>5,110,069</u>
19. Net Elec Ener (MWH)	<u>128,462</u>	<u>3,430,898</u>	<u>4,823,015</u>
20. Unit Service Factor	<u>25.7</u>	<u>42.2</u>	<u>49.7</u>
21. Unit Avail Factor	<u>25.7</u>	<u>42.2</u>	<u>49.7</u>
22. Unit Cap Factor (MDC Net)	<u>16.7</u>	<u>37.8</u>	<u>44.2</u>
23. Unit Cap Factor (DER Net)	<u>16.0</u>	<u>36.3</u>	<u>42.5</u>
24. Unit Forced Outage Rate	<u>74.3</u>	<u>30.2</u>	<u>26.0</u>
25. Forced Outage Hours	<u>552.9</u>	<u>1,602.1</u>	<u>1,840.7</u>

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

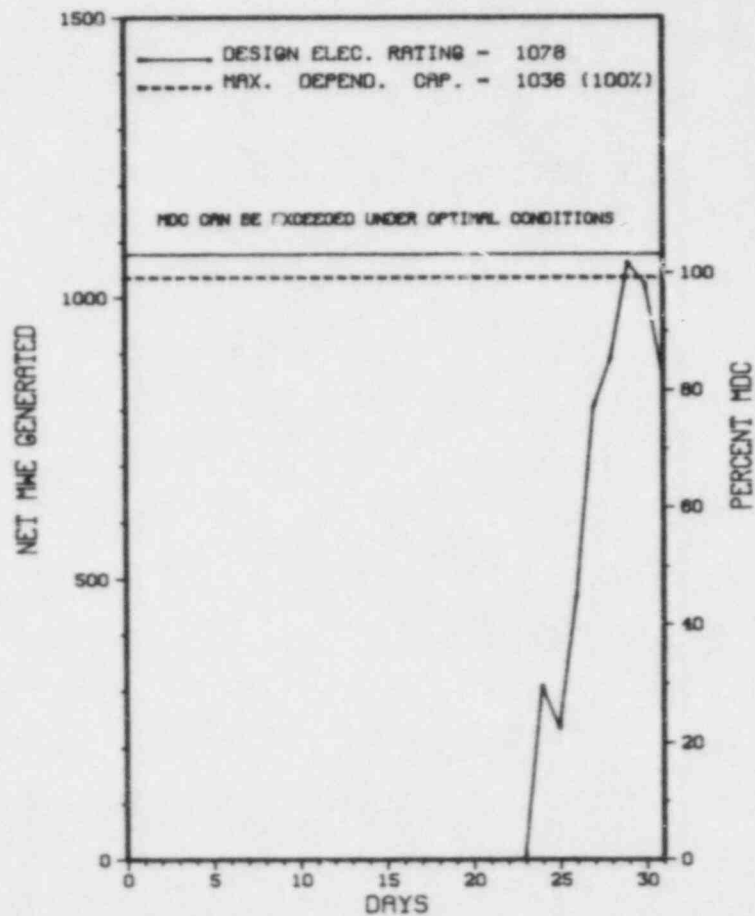
NONE

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

 * LASALLE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LASALLE 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LASALLE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
11	10/21/85	F	550.2	B	4				REACTOR SCRAM ON SPURIOUS STEAM-LINE ISOLATION.
12	12/25/85	F	2.7	B	3				INERTED DRYWELL AND INCREASED POWER LEVEL. (15% CAUSES EXCESSIVE VIBRATION).

***** LA SALLE 2 HAD 2 OUTAGES IN DECEMBER AS DESCRIBED ABOVE.
 * 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
	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		

* LASALLE 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

INSPECTION ON AUGUST 12-14, 26-28, AND SEPTEMBER 3 (85027): ROUTINE, ANNOUNCED INSPECTION OF CORRECTIVE ACTION TAKEN TO REDUCE EXCESSIVE TEMPERATURES IN UNIT 1 DRYWELL; APPLICABLE SURVEILLANCE PROCEDURES; ENVIRONMENTAL QUALIFICATION PROGRAM FOR SAFETY RELATED EQUIPMENT IN THE DRYWELL; IMPLEMENTATION OF ENGINEERING MODIFICATIONS TO ELECTRICAL COMPONENTS; AND PROPOSED DRYWELL TEMPERATURE MONITORING PROGRAM. THE INSPECTION INVOLVED A TOTAL OF 57 INSPECTOR HOURS ON SITE BY ONE NRC INSPECTOR AND 8 HOURS AT THE AE OFFICES. OF THE AREAS INSPECTED, FOUR VIOLATIONS (FAILURE TO ADHERE TO TECHNICAL SPECIFICATION 3/4.7.7; FAILURE TO ESTABLISH ADEQUATE SURVEILLANCE AND WORK PROCEDURES; FAILURE TO INITIATE PROMPT CORRECTIVE ACTION TO REVIEW AND EVALUATE ENGINEERING CHANGES; AND FAILURE TO DEMONSTRATE THAT COMPONENTS WERE CALIBRATED, TESTED AND SET TO THE STIPULATION OF THE CAUTION TAGS AFFIXED TO CONTROL ROOM CM RECORDERS AND ONE DEVIATION WITH FOUR PARTS (FAILURE TO ADHERE TO COMMITMENTS MADE IN CORRESPONDENCE WITH THE NRC) WERE IDENTIFIED.

INSPECTION ON AUGUST 27 THROUGH NOVEMBER 14 (85029): ROUTINE, UNANNOUNCED INSPECTION OF LICENSEE EVENT REPORTS AND CORRECTIVE ACTION IMPLEMENTED BY THE LICENSEE AS A RESULT OF THE EVENTS. THE INSPECTION INVOLVED A TOTAL OF 74 INSPECTOR-HOURS ONSITE AND NINE INSPECTOR-HOURS OF IN OFFICE REVIEW. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION BETWEEN OCTOBER 30 AND NOVEMBER 22, (85037): ROUTINE, UNANNOUNCED INSPECTION OF RADIATION PROTECTION ACTIVITIES DURING REFUELING OF UNIT 1, INCLUDING: ALARA, EXPOSURE CONTROLS, RESPIRATORY PROTECTION, POSTING AND HIGH RADIATION CONTROLS, ORGANIZATION AND STAFFING, RADIOLOGICAL OCCURRENCE REPORTS, PREVIOUS INSPECTION FINDINGS, AND THE STATUS OF THE RADIATION PROTECTION IMPROVEMENT PROGRAM. THE INSPECTION INVOLVED 135 INSPECTOR-HOURS ONSITE BY TWO NRC INSPECTORS. NO VIOLATIONS WERE IDENTIFIED IN FOURTEEN OF THE AREAS INSPECTED. ONE VIOLATION WAS IDENTIFIED IN ONE AREA (FAILURE TO FOLLOW HIGH RADIATION ENTRY

Report Period DEC 1985

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)

* LASALLE 2 *

INSPECTION SUMMARY

AND EXIT PROCEDURES).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 16 - 17, 1986

INSPECTION REPORT NO: 86005

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
85-46	10/07/85	11/25/85	LOW PRESSURE COOLANT INJECTION SYSTEM "A" DECLARED INOPERABLE WITH HIGH PRESSURE CORE SPRAY INOP
85-47	11/15/85	12/10/85	MISSED SAMPLE OF THE RESIDUAL HEAT REMOVAL SERVICE WATER SYSTEM

=====

1. Docket: 50-352 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: BILL ALDEN (215) 841-5022

4. Licensed Thermal Power (Mwt): 3293

5. Nameplate Rating (Gross MWe): 1092

6. Design Electrical Rating (Net MWe): 1055

7. Maximum Dependable Capacity (Gross MWe): 1055

8. Maximum Dependable Capacity (Net MWe): 1055

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>6,297.0</u>	<u>6,297.0</u>
13. Hours Reactor Critical	<u>678.8</u>	<u>3,420.1</u>	<u>3,420.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>605.3</u>	<u>2,554.5</u>	<u>2,554.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,609,790</u>	<u>4,423,873</u>	<u>4,423,873</u>
18. Gross Elec Ener (MWH)	<u>509,710</u>	<u>1,253,547</u>	<u>1,253,547</u>
19. Net Elec Ener (MWH)	<u>486,808</u>	<u>1,136,630</u>	<u>1,136,630</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>49.6</u>	<u>376.9</u>	<u>376.9</u>

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

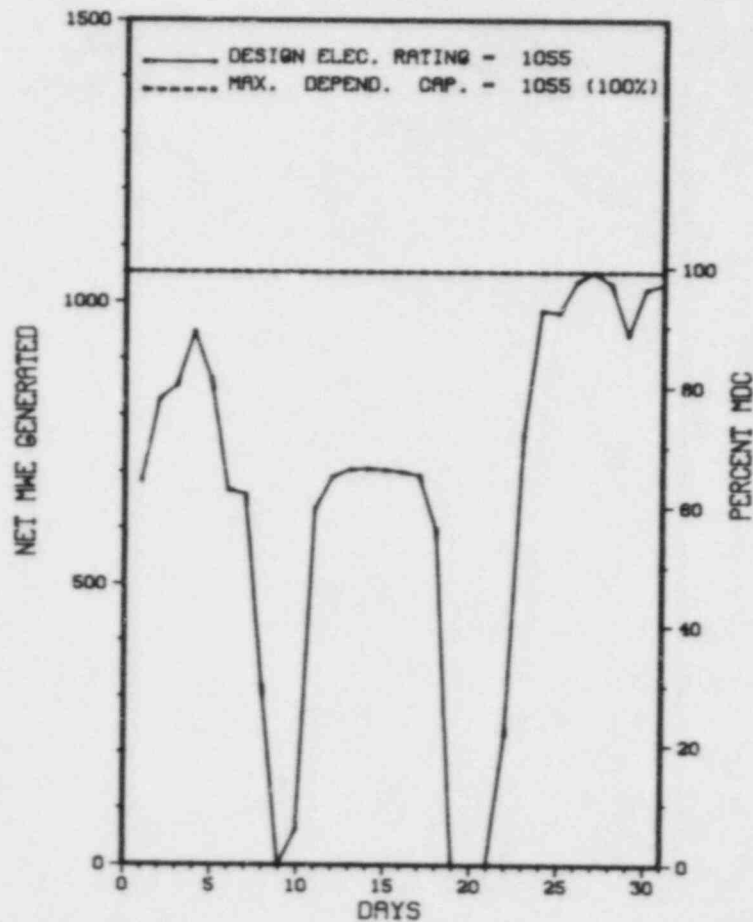
NONE

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

 X LIMERICK 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

LIMERICK 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * LIMERICK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
16	12/05/85	S	0.0	B	5		EB	XXXXXX	REDUCED POWER FROM 95% TO MAINTAIN SMALLER AMPERAGE FIELD ON THE MAIN GENERATOR.
17	12/08/85	F	49.6	A	3	85-95	HA	MECFUN	WHILE RESETTING A SCOOP TUBE LOCK, THE SCOOP TUBE POSITIONER DID NOT RESET TO DEMAND SIGNAL, IMMEDIATELY INCREASING "R" PUMP SPEED AT A RAPID RATE.
18	12/18/85	S	89.1	B	9		ZZ	ZZZZZZ	SCRAM FROM MSIV TO DEMONSTRATE TRANSIENT BEHAVIOR THAT RESULTS IN SIMULTANEOUS FULL CLOSURE OF ALL MSIV'S NEAR 100% POWER.
19	12/28/85	S	0.0	B	5		ZZ	ZZZZZZ	TO DETERMINES SENSITIVITY OF RX FEED PUMP FLOW TO RFP TURBINE SPEED AND TURBINE SPEED TO RX PRESSURE.

 * SUMMARY *

 LIMERICK 1 CONTINUES IN STARTUP TESTING AND INCURRED 2 SCRAMS IN DECEMBER AS DISCUSSED ABOVE.

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

* LIMERICK 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....MONTGOMERY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...21 MI NW OF
PHILADELPHIA, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY. . DECEMBER 22, 1984
DATE ELEC ENER 1ST GENER... APRIL 13, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...CC HNDCT
CONDENSER COOLING WATER...SCHUYLKILL RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER..GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....G. KELLY
LICENSING PROJ MANAGER....R. MARTIN
DOCKET NUMBER.....50-352
LICENSE & DATE ISSUANCE...NPF-39, AUGUST 8, 1985
PUBLIC DOCUMENT ROOM.....POTTSTOWN PUBLIC LIBRARY
500 HIGH STREET
POTTSTOWN, PENNSYLVANIA 19464

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 DEC 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* LIMERICK 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: 50-309 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: K. L. EMBRY (207) 623-3521

4. Licensed Thermal Power (Mht): 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>744.0</u>	<u>8,760.0</u>	<u>115,236.6</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,037.1</u>	<u>92,337.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,934.8</u>	<u>89,548.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,893,685</u>	<u>16,691,767</u>	<u>202,000,684</u>
18. Gross Elec Ener (MWH)	<u>643,560</u>	<u>5,566,440</u>	<u>66,239,720</u>
19. Net Elec Ener (MWH)	<u>614,710</u>	<u>5,354,423</u>	<u>63,190,292</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.2</u>	<u>77.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.2</u>	<u>77.7</u>
22. Unit Cap Factor (MDC Net)	<u>102.0</u>	<u>75.5</u>	<u>69.6*</u>
23. Unit Cap Factor (DER Net)	<u>100.1</u>	<u>74.1</u>	<u>67.7*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>2.1</u>	<u>6.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>148.5</u>	<u>5,772.5</u>

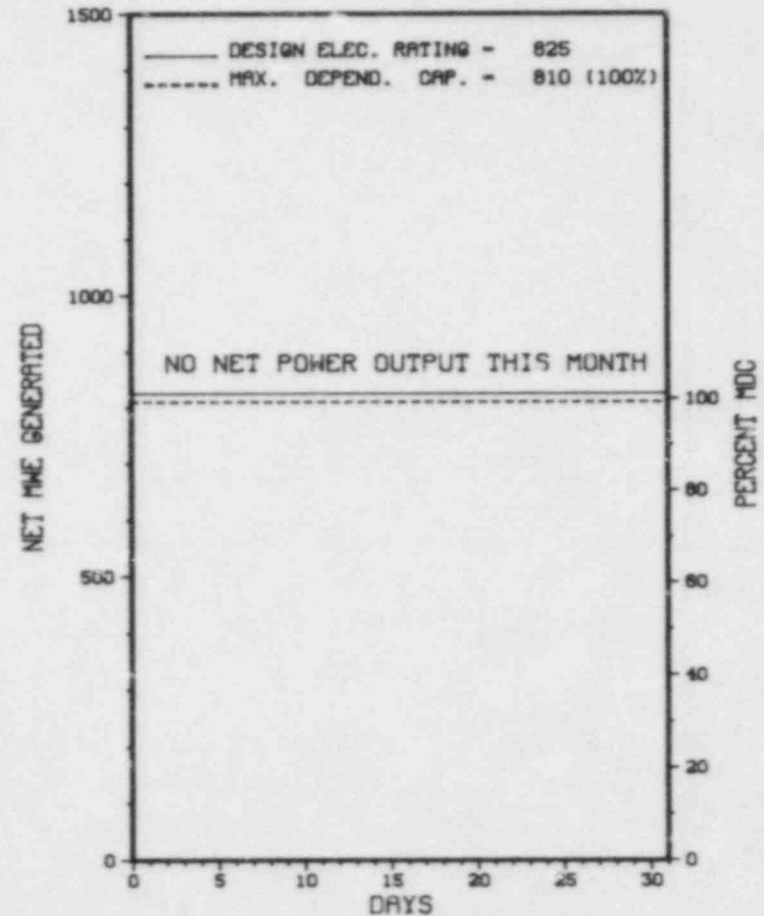
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MAINE YANKEE *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MAINE YANKEE



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MAINE YANKEE *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
LR-80	12/04/85	F	0.0	A	5		RB	CRDRVE	REDUCED POWER DUE TO MISALIGNED CEA.
LR-86	12/24/85	F	0.0	A	5		HA	VALVOP	EHC LEAK #1 GOVERNOR VALVE. LEAK REPAIRED.
LRT-80	12/28/85	F	0.0	B	5		HH	HTEXCH	CLEANED FOULED WATERBOXES.
LR-84	12/31/85	F	0.0	B	5		HH	HTEXCH	CLEANED FOULED WATERBOXES.

***** MAINE YANKEE OPERATED ROUTINELY IN DECEMBER.
 * 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)

* MAINE YANKEE *

FACILITY DATA

Report Period DEC 1985

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.....P. SEAKS
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

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

Report Period DEC 1985

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

* MAINE YANKEE *

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: 50-369 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 3411

5. Nameplate Rating (Gross MWe): 1305

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 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>744.0</u>	<u>8,760.0</u>	<u>35,808.0</u>
13. Hours Reactor Critical	<u>727.5</u>	<u>6,842.4</u>	<u>25,461.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>723.6</u>	<u>6,749.1</u>	<u>24,711.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,425,449</u>	<u>20,562,275</u>	<u>67,365,413</u>
18. Gross Elec Ener (MWH)	<u>847,161</u>	<u>7,081,787</u>	<u>23,310,653</u>
19. Net Elec Ener (MWH)	<u>815,342</u>	<u>6,776,759</u>	<u>22,152,014</u>
20. Unit Service Factor	<u>97.3</u>	<u>77.0</u>	<u>69.0</u>
21. Unit Avail Factor	<u>97.3</u>	<u>77.0</u>	<u>69.0</u>
22. Unit Cap Factor (MDC Net)	<u>92.9</u>	<u>65.6</u>	<u>52.4</u>
23. Unit Cap Factor (DER Net)	<u>92.9</u>	<u>65.6</u>	<u>52.4</u>
24. Unit Forced Outage Rate	<u>2.7</u>	<u>8.8</u>	<u>14.3</u>
25. Forced Outage Hours	<u>20.4</u>	<u>651.1</u>	<u>4,111.5</u>

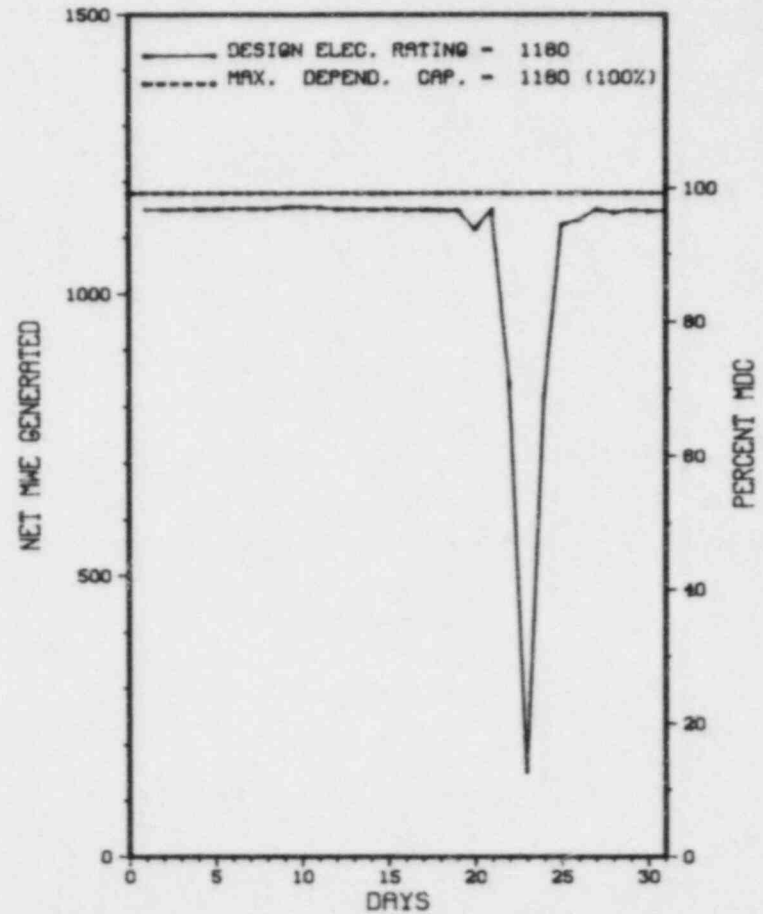
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* MCGUIRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MCGUIRE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
42-P	12/05/85	F	0.0	A	5		HH	PUMPXX	(1C2) HEATER DRAIN PUMP OUT OF SERVICE.
43-P	12/20/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.
8	12/22/85	F	20.1	A	3		HA	CKTBRK	GROUND ON BUSLINE (B), PHASE Y, TRANSFORMER SIDE MOTOR OPERATED DISCONNECT.
9	12/23/85	F	0.3	A	3		HA	CKTBRK	GENERATOR BREAKER (A) OPENED DUE TO LOW BREAKER CLOSING PRESSURE.
44-P	12/23/85	F	0.0	A	5		HA	CKTBRK	WORK ON BUSLINE (1B).
45-P	12/24/85	F	0.0	B	5		IB	INSTRU	NUCLEAR INSTRUMENTATION CALIBRATION.

 * SUMMARY *

 MCGUIRE 1 OPERATED IN DECEMBER WITH 2 OUTAGES REPORTED.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MCGUIRE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

UTILITY
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.....H. ORDERS
LICENSING PROJ MANAGER.....D. HOOD
DOCKET NUMBER.....5C-369
LICENSE & DATE ISSUANCE...NPF-9, JULY 8, 1981
PUBLIC DOCUMENT ROOM.....MS. DAWN HUBBS
ATKINS LIBRARY
UNIVERSITY OF NORTH CAROLINA - CHARLOTTE
UNCC STATION,
CHARLOTTE, NC 28223

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 15 - NOVEMBER 8 (85-39): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 42 INSPECTOR-HOURS IN THE AREAS OF PREOPERATIONAL TESTING AND ADEQUACY OF SURVEILLANCE ACTIVITIES REGARDING CONTROL ROOM AND AUXILIARY BUILDING VENTILATION SYSTEMS. ONE DEVIATION WAS IDENTIFIED - FAILURE TO COMPLETE PREOPERATIONAL TESTING OF THE CONTROL ROOM AREA VENTILATION (CV) SYSTEM IN ACCORDANCE WITH FSAR COMMITMENTS.

INSPECTION OCTOBER 29 - NOVEMBER 20 (85-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 100 HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF SURVEILLANCE TESTING.

INSPECTION DECEMBER 2-6 (85-43): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE INSPECTING; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; AND COMMUNICATIONS. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

Report Period DEC 1985

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)

* MCGUIRE 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 2-6, 1985 +

INSPECTION REPORT NO: 50-369/85-43 +

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 3411

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

6. Design Electrical Rating (Net MWe): 1180

7. Maximum Dependable Capacity (Gross MWe): 1225

8. Maximum Dependable Capacity (Net MWe): 1180

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

 * MCGUIRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

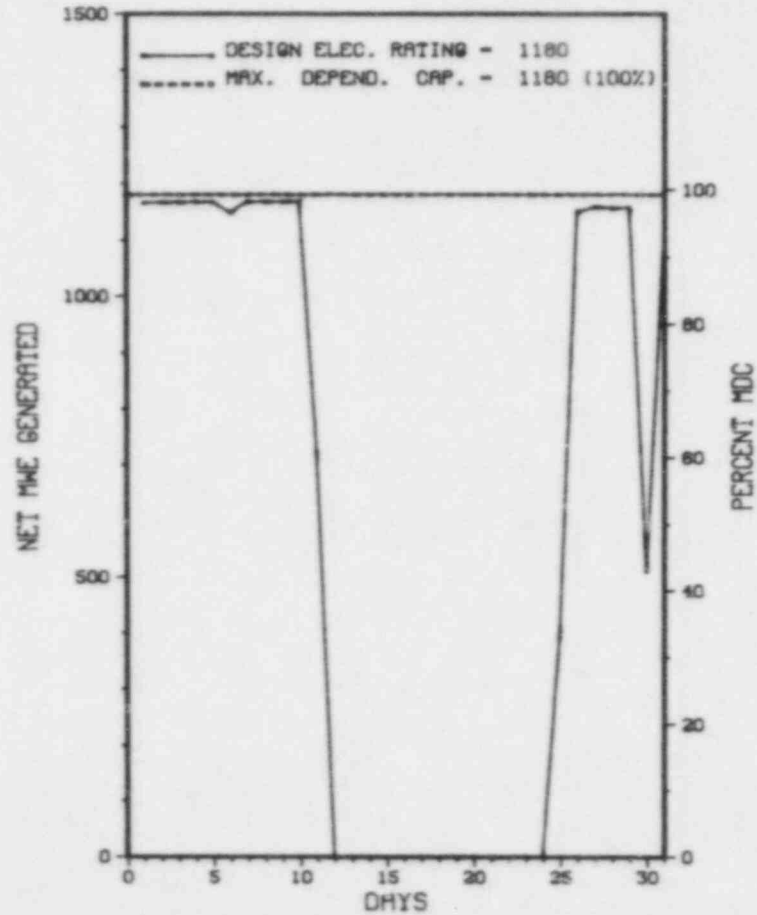
MCGUIRE 2

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>744.0</u>	<u>8,760.0</u>	<u>16,104.0</u>
13. Hours Reactor Critical	<u>424.0</u>	<u>5,490.5</u>	<u>11,628.8</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>422.3</u>	<u>5,174.6</u>	<u>11,265.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,328,243</u>	<u>16,779,706</u>	<u>36,151,030</u>
18. Gross Elec Ener (MWH)	<u>474,526</u>	<u>5,862,269</u>	<u>12,699,992</u>
19. Net Elec Ener (MWH)	<u>451,434</u>	<u>5,595,853</u>	<u>12,153,653</u>
20. Unit Service Factor	<u>56.8</u>	<u>59.1</u>	<u>70.0</u>
21. Unit Avail Factor	<u>56.8</u>	<u>59.1</u>	<u>70.0</u>
22. Unit Cap Factor (MDC Net)	<u>51.4</u>	<u>54.1</u>	<u>64.0</u>
23. Unit Cap Factor (DER Net)	<u>51.4</u>	<u>54.1</u>	<u>64.0</u>
24. Unit Forced Outage Rate	<u>43.2</u>	<u>20.1</u>	<u>18.0</u>
25. Forced Outage Hours	<u>321.7</u>	<u>1,381.3</u>	<u>2,467.5</u>



DECEMBER 1985

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

NONE

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

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * MCGUIRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
37-P	12/06/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT TEST.
21	12/11/85	F	321.7	A	1		CH	HTEXCH	STEAM GENERATOR TUBE LEAK OUTAGE.
38-P	12/25/85	F	0.0	H	5		CJ	XXXXXX	HOLD TO MAKE-UP TO THE REFUELING WATER STORAGE TANK.
39-P	12/25/85	F	0.0	F	5		HH	XXXXXX	HOLD FOR SECONDARY CHEMISTRY.
40-P	12/30/85	F	0.0	A	5		CH	VALVEX	REPAIR (B) STEAM GENERATOR FEEDWATER REGULATING VALVE (CF-23).
41-P	12/30/85	F	0.0	F	5		RC	FUELXX	AXIAL FLUX DIFFERENCE LIMIT.
42-P	12/31/85	F	0.0	F	5		RC	FUELXX	AXIAL FLUX DIFFERENCE LIMIT.

 * SUMMARY *

 MCGUIRE 2 INCURRED 1 OUTAGE IN DECEMBER FOR STEAM GENERATOR TUBE LEAKAGE.

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 DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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...DNCE THRU
CONDENSER COOLING WATER...LAKE NORMAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

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 OCTOBER 15 - NOVEMBER 8 (85-40): THIS SPECIAL ANNOUNCED INSPECTION INVOLVED 43 INSPECTOR-HOURS IN THE AREAS OF PREOPERATIONAL TESTING AND ADEQUACY OF SURVEILLANCE ACTIVITIES REGARDING CONTROL ROOM AND AUXILIARY BUILDING VENTILATION SYSTEMS. ONE DEVIATION WAS IDENTIFIED - FAILURE TO COMPLETE PREOPERATIONAL TESTING OF THE CONTROL ROOM AREA VENTILATION (CV) SYSTEM IN ACCORDANCE WITH FSAR COMMITMENTS.

INSPECTION OCTOBER 29 - NOVEMBER 20 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 100 HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE TESTING AND MAINTENANCE ACTIVITIES. OF THE AREAS INSPECTED, ONE VIOLATION WAS IDENTIFIED IN THE AREA OF SURVEILLANCE TESTING.

INSPECTION DECEMBER 2-6 (85-44): THIS ROUTINE, UNANNOUNCED PHYSICAL SECURITY INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE INSPECTING; MANAGEMENT EFFECTIVENESS - SECURITY PROGRAM; SECURITY ORGANIZATION; SECURITY PROGRAM AUDIT; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - PROTECTED AREA; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; DETECTION AIDS - PROTECTED AREA; ALARM STATIONS; AND COMMUNICATIONS. NO VIOLATIONS OF REGULATORY REQUIREMENTS WERE IDENTIFIED DURING THIS INSPECTION.

Report Period DEC 1985

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

* MCGUIRE 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: DECEMBER 2-6, 1985 +

INSPECTION REPORT NO: 50-370/85-44 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2011

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

6. Design Electrical Rating (Net MWe): 660

7. Maximum Dependable Capacity (Gross MWe): 684

8. Maximum Dependable Capacity (Net MWe): 654

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>132,288.0</u>
13. Hours Reactor Critical	<u>258.5</u>	<u>7,324.4</u>	<u>101,079.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>58.7</u>	<u>2,834.5</u>
15. Hrs Generator On-Line	<u>201.5</u>	<u>7,252.7</u>	<u>98,189.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>67.2</u>	<u>93.7</u>
17. Gross Therm Ener (MWH)	<u>335,918</u>	<u>14,205,929</u>	<u>180,614,198</u>
18. Gross Elec Ener (MWH)	<u>115,000</u>	<u>4,804,600</u>	<u>60,701,296</u>
19. Net Elec Ener (MWH)	<u>106,767</u>	<u>4,588,353</u>	<u>57,892,513</u>
20. Unit Service Factor	<u>27.1</u>	<u>82.8</u>	<u>74.2</u>
21. Unit Avail Factor	<u>27.1</u>	<u>83.6</u>	<u>74.3</u>
22. Unit Cap Factor (MDC Net)	<u>21.9</u>	<u>80.1</u>	<u>66.9</u>
23. Unit Cap Factor (DER Net)	<u>21.7</u>	<u>79.4</u>	<u>66.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>1.3</u>	<u>12.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>99.1</u>	<u>5,814.3</u>

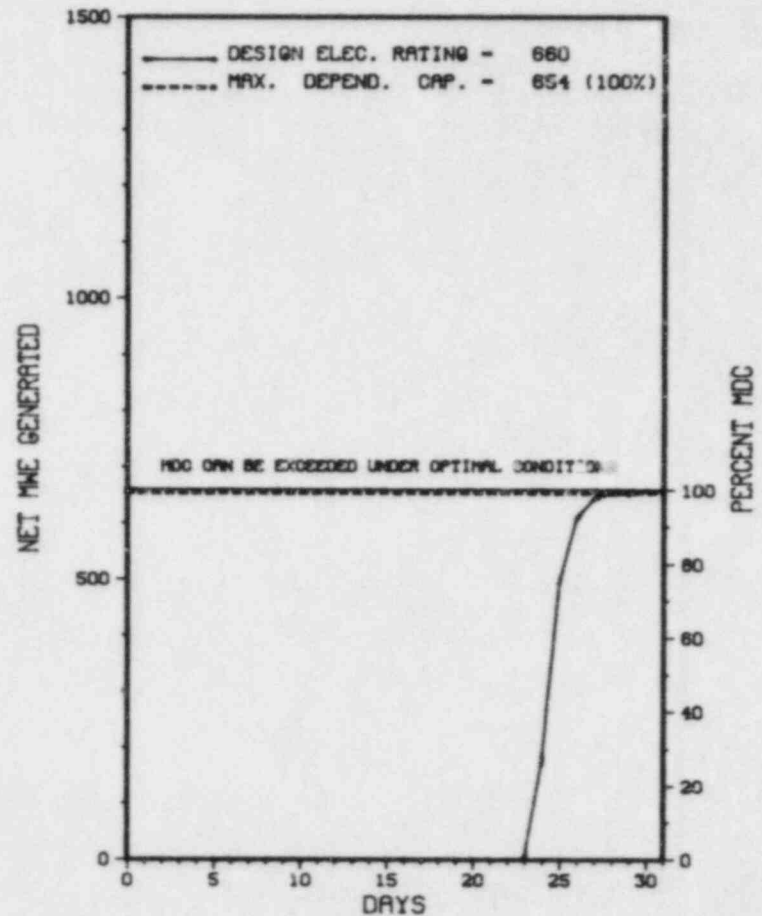
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

X MILLSTONE 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	10/25/85	S	542.5	C	4				REFUELING OUTAGE.

* SUMMARY *

MILLSTONE 1 COMPLETED A REFUELING OUTAGE ON DECEMBER 23.

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 1 *

FACILITY DATA

Report Period DEC 1985

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

FAILURE TO MAINTAIN WRITTEN PROCEDURES ON SAFETY-RELATED ACTIVITIES: TWO EXAMPLES OF VIOLATION ARE IDENTIFIED IN THE AREAS OF PRESSURE PERMISSIVE SWITCH CALIBRATION FOR FWCI PUMPS AND SNUBBER SURVEILLANCE PROCEDURE. FAILURE TO FOLLOW WRITTEN PROCEDURES, WHICH RESULTED IN A FAILURE TO PROVIDE A LOCKED KEY OR A GUARD FOR HIGH RADIATION AREA.
(8501 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 889

8. Maximum Dependable Capacity (Net MWe): 857

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

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

11. Reasons for Restrictions, If Any: _____
NONE

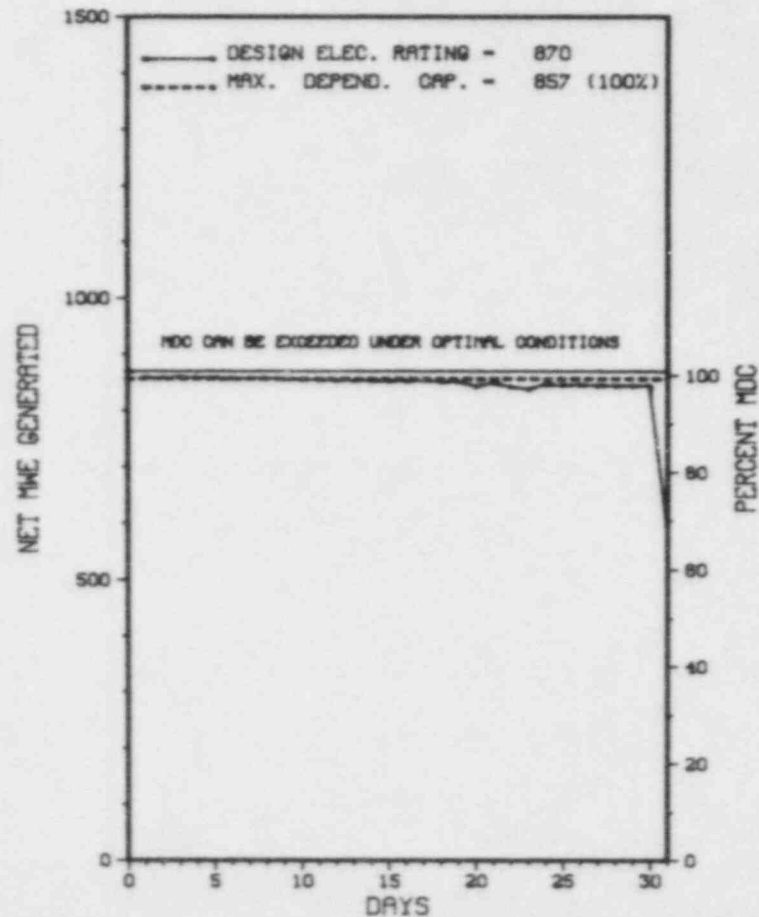
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>87,816.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>4,460.7</u>	<u>61,422.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,166.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>4,324.7</u>	<u>58,717.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>468.2</u>
17. Gross Therm Ener (MWH)	<u>1,990,411</u>	<u>11,219,345</u>	<u>148,908,509</u>
18. Gross Elec Ener (MWH)	<u>650,200</u>	<u>3,659,800</u>	<u>48,332,473</u>
19. Net Elec Ener (MWH)	<u>627,060</u>	<u>3,497,696</u>	<u>46,322,781</u>
20. Unit Service Factor	<u>100.0</u>	<u>49.4</u>	<u>66.9</u>
21. Unit Avail Factor	<u>100.0</u>	<u>49.4</u>	<u>67.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.3</u>	<u>47.5</u>	<u>62.6*</u>
23. Unit Cap Factor (DER Net)	<u>96.9</u>	<u>45.9</u>	<u>61.6*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>20.6</u>	<u>17.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,119.3</u>	<u>11,062.8</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration): <u>NONE</u>			

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

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

AVERAGE DAILY POWER LEVEL (MWe) PLOT

MILLSTONE 2



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* MILLSTONE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	12/31/85	F	0.0	A	5		SJ	ZZZZZ	POWER WAS REDUCED TO APPROX. 50 PERCENT POWER FOR 5TH POINT FEEDWATER HEATER TUBE LEAK REPAIRS.

* SUMMARY *

MILLSTONE 2 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES REPORTED.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X MILLSTONE 2 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

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

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED

FACILITY ITEMS (PLANS AND PROCEDURES):

Report Period DEC 1985

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

* MILLSTONE 2 *

OTHER ITEMS

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-263 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: A. L. Myrabo (612) 295-5151

4. Licensed Thermal Power (MWh): 1670

5. Nameplate Rating (Gross MWe): 632 X 0.9 = 569

6. Design Electrical Rating (Net MWe): 545

7. Maximum Dependable Capacity (Gross MWe): 564

8. Maximum Dependable Capacity (Net MWe): 536

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

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

11. Reasons for Restrictions, If Any:
NONE

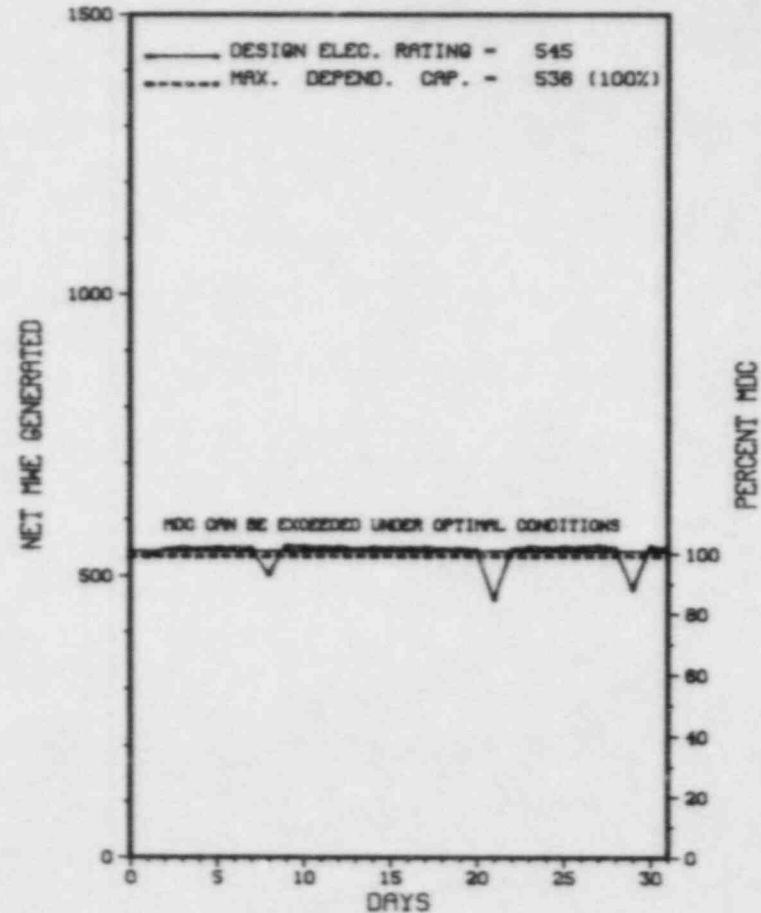
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>127,153.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,163.0</u>	<u>98,078.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>940.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,030.6</u>	<u>96,033.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,224,946</u>	<u>13,059,696</u>	<u>154,293,510</u>
18. Gross Elec Ener (MWH)	<u>420,064</u>	<u>4,466,224</u>	<u>49,651,277</u>
19. Net Elec Ener (MWH)	<u>404,128</u>	<u>4,286,986</u>	<u>47,462,411</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.7</u>	<u>75.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.7</u>	<u>75.5</u>
22. Unit Cap Factor (MDC Net)	<u>101.3</u>	<u>91.3</u>	<u>69.6</u>
23. Unit Cap Factor (DER Net)	<u>99.7</u>	<u>89.8</u>	<u>68.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>4.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>46.2</u>	<u>1,335.0</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
MAY 1, 1986 - 1986 REFUELING OUTAGE - 54 DAYS.

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

* MONTICELLO *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
MONTICELLO



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* MONTICELLO *

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

NONE

* SUMMARY *

MONTICELLO OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES OR POWER REDUCTION REPORTED.

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

* MONTICELLO *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....WRIGHT
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI NH OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...DECEMBER 10, 1970
DATE ELEC ENER 1ST GENER...MARCH 5, 1971
DATE COMMERCIAL OPERATE...JUNE 30, 1971
CONDENSER COOLING METHOD...COOLING TOWER
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NORTHERN STATES POWER
CORPORATE ADDRESS.....414 NICOLLET MALL
MINNEAPOLIS, MINNESOTA 55401
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....P. HARTMAN
LICENSING PROJ MANAGER.....R. AULUCK
DOCKET NUMBER.....59-263
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 10 - NOVEMBER 25 (85023): A ROUTINE, UNANNOUNCED INSPECTION BY THE RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY VERIFICATION; SPENT FUEL SHIPMENTS; LICENSEE EVENT REPORTS; AND IE BULLETINS. THE INSPECTION INVOLVED A TOTAL OF 176 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR INCLUDING 30 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. NO VIOLATIONS OR SAFETY CONCERNS WERE IDENTIFIED IN THE FIVE AREAS INSPECTED.

INSPECTION ON DECEMBER 23 (85025): SPECIAL SAFETY INSPECTION TO FOLLOWUP ON UNRESOLVED ITEMS PREVIOUSLY IDENTIFIED IN INSPECTION REPORT NO. 50-263/84-26(DRS). THE INSPECTION INVOLVED A TOTAL OF EIGHT INSPECTOR-HOURS BY ONE NRC INSPECTOR IN THE REGION III OFFICE. IN THE AREA INSPECTED, ONE VIOLATION WAS IDENTIFIED (FAILURE TO DETERMINE AS FOUND CONTAINMENT LEAKAGE).

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

GLEN MATHIASSEN, FORMERLY EMERGENCY PREPAREDNESS COORDINATOR AT MONTICELLO, HAS BEEN PROMOTED TO SENIOR HEALTH PHYSICIST - CORPORATE. NEW EMERGENCY PREPAREDNESS COORDINATOR IS RONALD BREVIG.

PLANT STATUS:

OPERATING ROUTINELY

LAST IE SITE INSPECTION DATE: DECEMBER 23, 1985

INSPECTION REPORT NO: 85025

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
85-20	11/23/85	12/23/85	EFT ACTUATION DUE TO AMMONIA SPIKE

=====

1. Docket: 50-220 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>141,720.0</u>
13. Hours Reactor Critical	<u>719.1</u>	<u>8,524.0</u>	<u>101,240.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,204.2</u>
15. Hrs Generator On-Line	<u>710.0</u>	<u>8,442.9</u>	<u>98,248.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>20.2</u>
17. Gross Therm Ener (MWH)	<u>1,213,769</u>	<u>15,206,308</u>	<u>164,495,675</u>
18. Gross Elec Ener (MWH)	<u>407,925</u>	<u>5,088,667</u>	<u>54,469,456</u>
19. Net Elec Ener (MWH)	<u>393,777</u>	<u>4,932,333</u>	<u>52,762,327</u>
20. Unit Service Factor	<u>95.4</u>	<u>96.4</u>	<u>69.3</u>
21. Unit Avail Factor	<u>95.4</u>	<u>96.4</u>	<u>69.3</u>
22. Unit Cap Factor (MDC Net)	<u>86.8</u>	<u>92.3</u>	<u>61.0</u>
23. Unit Cap Factor (DER Net)	<u>85.4</u>	<u>90.8</u>	<u>60.0</u>
24. Unit Forced Outage Rate	<u>4.6</u>	<u>3.6</u>	<u>15.5</u>
25. Forced Outage Hours	<u>34.0</u>	<u>317.1</u>	<u>13,376.5</u>

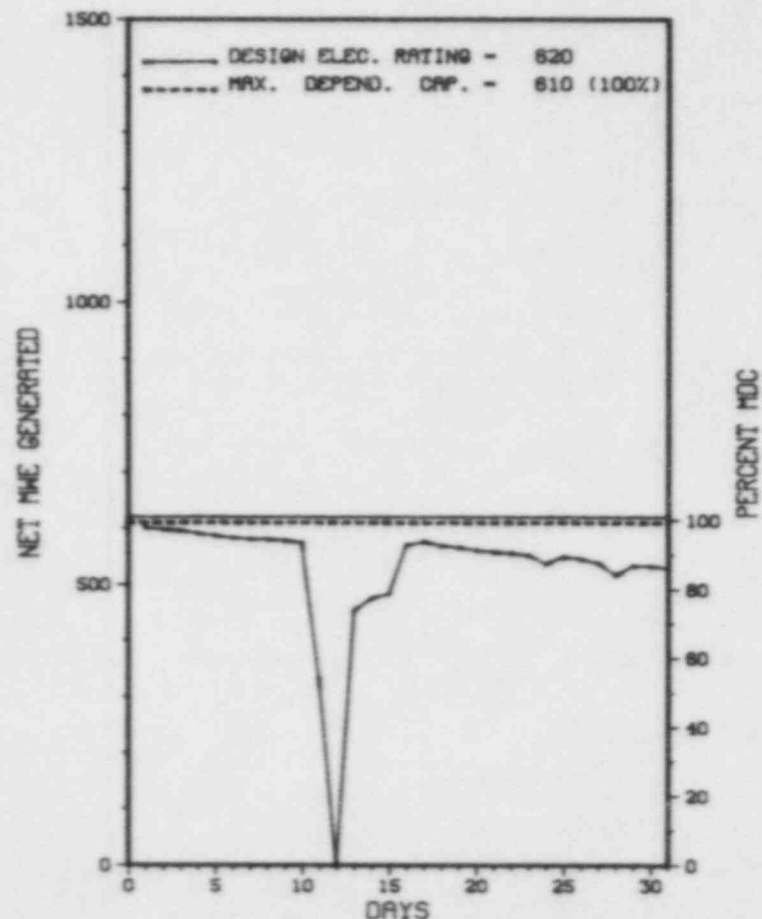
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUEL OUTAGE: MARCH 1986, 14 WEEKS.

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

* NINE MILE POINT 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NINE MILE POINT 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* NINE MILE POINT 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
	12/11/85	F	34.0	A	1			HIGH DRYWELL PRESSURE SPIKE DUE TO FAILURE OF REACTOR BUILDING CLOSE LOOP COOLING (RBCLC) TEMPERATURE CONTROL VALVE.

* SUMMARY *

NINE MILE POINT 1 HAD 1 OUTAGE IN DECEMBER DUE TO A DRYWELL HIGH PRESSURE SPIKE.

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 DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....NEW YORK
COUNTY.....OSWEGO
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...8 MI NE OF
OSWEGO, NY
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 5, 1969
DATE ELEC ENER 1ST GENER...NOVEMBER 9, 1969
DATE COMMERCIAL OPERATE...DECEMBER 1, 1969
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE ONTARIO
ELECTRIC RELIABILITY
COUNCIL.....NORTHEAST POWER
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....NIAGARA MOHAWK POWER CORP.
CORPORATE ADDRESS.....300 ERIE BOULEVARD WEST
SYRACUSE, NEW YORK 13202
CONTRACTOR
ARCHITECT/ENGINEER.....NIAGARA MOHAWK POWER CORP.
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIERGENERAL 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, SECTION 6.8.1, REQUIRES THAT WRITTEN PROCEDURES SHALL BE ESTABLISHED, IMPLEMENTED AND MAINTAINED....
OPERATING PROCEDURE N1-OP-2, "CORE SPRAY SYSTEM" REVISION 15, DATED FEBRUARY 12, 1985, VALVE LINEUP SECTION REQUIRES THAT THE CORE
SPRAY TOPPING PUMP #112 DISCHARGE BLOCKING VALVE (VALVE NO. 81-30) BE LOCKED OPEN DURING NORMAL OPERATIONS. CONTRARY TO THE
ABOVE, ON AUGUST 29, 1985, THE CORE SPRAY TOPPING PUMP #112 DISCHARGE BLOCKING WAS OPEN BUT NOT LOCKED OPEN.

(8501 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

Report Period DEC 1985

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

* NINE MILE POINT 1 *

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 DATE OF SUBJECT
 EVENT REPORT

NO INPUT PROVIDED.

1. Docket: 50-338 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (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): 941

8. Maximum Dependable Capacity (Net MWe): 893

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

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>744.0</u>	<u>8,760.0</u>	<u>66,385.0</u>
13. Hours Reactor Critical	<u>126.5</u>	<u>6,938.8</u>	<u>45,285.8</u>
14. Rx Reserve Shtdwn Hrs	<u>617.5</u>	<u>1,821.2</u>	<u>4,006.6</u>
15. Hrs Generator On-Line	<u>104.7</u>	<u>6,823.3</u>	<u>43,912.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>82,421</u>	<u>18,112,886</u>	<u>114,976,552</u>
18. Gross Elec Ener (MWH)	<u>27,385</u>	<u>6,105,445</u>	<u>37,477,626</u>
19. Net Elec Ener (MWH)	<u>23,620</u>	<u>5,758,930</u>	<u>35,414,948</u>
20. Unit Service Factor	<u>14.1</u>	<u>77.9</u>	<u>66.1</u>
21. Unit Avail Factor	<u>14.1</u>	<u>77.9</u>	<u>66.1</u>
22. Unit Cap Factor (MDC Net)	<u>3.6</u>	<u>74.2</u>	<u>59.7</u>
23. Unit Cap Factor (DER Net)	<u>3.5</u>	<u>73.0</u>	<u>58.8</u>
24. Unit Forced Outage Rate	<u>38.2</u>	<u>5.1</u>	<u>12.2</u>
25. Forced Outage Hours	<u>64.8</u>	<u>369.6</u>	<u>5,984.5</u>

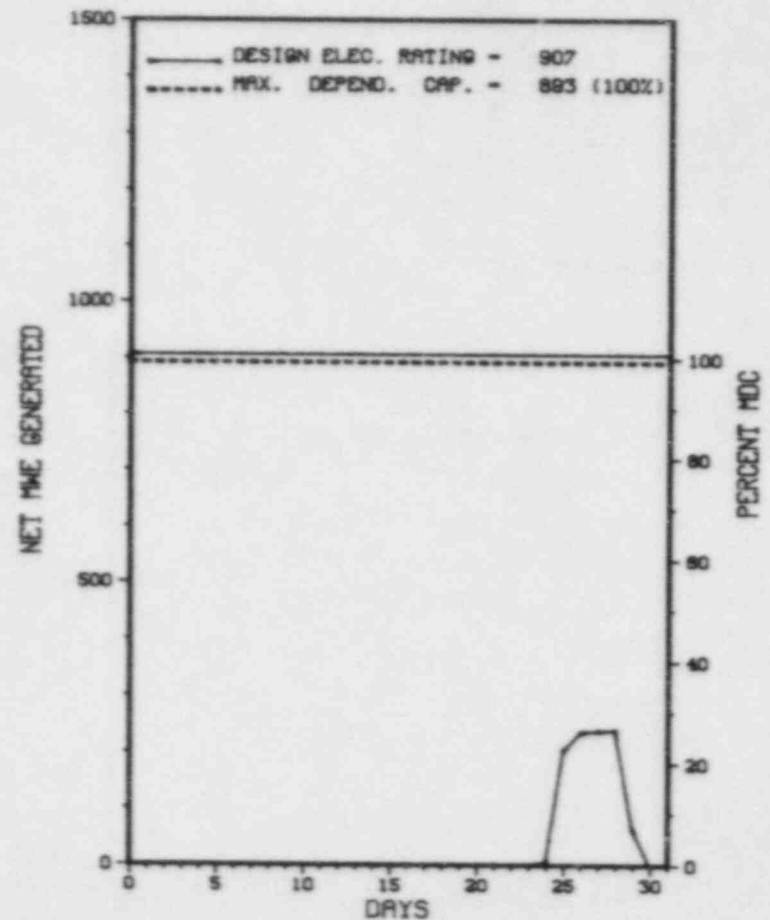
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 01/24/86

* NORTH ANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

NORTH ANNA 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-24	11/04/85	S	574.5	C	4				CONTINUATION FROM NOVEMBER 1985 REFUELING OUTAGE. REFUELING WAS COMPLETED AND UNIT RETURNED TO 30% POWER.
85-25	12/29/85	F	64.8	H	1	NI-85-29			RAMPED UNIT OFF LINE TO REPAIR THERMO COUPLE CONOSEAL ON THE REACTOR HEAD. ENDED THIS MONTH WITH UNIT IN MODE 5.

 * SUMMARY *

 NORTH ANNA 1 COMPLETED A REFUELING OUTAGE ON DECEMBER 24 AND INCURRED 1 ADDITIONAL SHUTDOWN.

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 DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....VIRGINIA POWER
CORPORATE ADDRESS.....P.O. BOX 26666
RICHMOND, VIRGINIA 23261

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-338
LICENSE & DATE ISSUANCE...NPF-4, APRIL 1, 1978
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& LOUISA COUNTY COURTHOUSE,
LOUISA, VA 23093

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION NOVEMBER 18-22 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 28 INSPECTOR-HOURS ON SITE IN THE AREAS OF LIQUID AND GASEOUS EFFLUENTS AND RADIOLOGICAL ENVIRONMENTAL MONITORING. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 22 (85-30): THIS SPECIAL INSPECTION WAS PERFORMED TO EVALUATE THE FINDINGS OF NRC OFFICE OF INVESTIGATIONS REPORT NO. 2-84-015, "NORTH ANNA POWER STATION, POSSIBLE WILLFUL USE OF NON-NUCLEAR QUALIFIED COATING MATERIAL ON CONTAINMENT DUCTWORK AND FALSIFICATION OF QUALITY ASSURANCE DOCUMENTATION". ONE VIOLATION WAS IDENTIFIED IN THAT NUMEROUS QUALITY ASSURANCE RECORDS WERE DELIBERATELY FALSIFIED WITHOUT APPARENT MANAGEMENT KNOWLEDGE.

INSPECTION NOVEMBER 4 - DECEMBER 1 (85-31): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 51 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORT (LER), ENGINEERING SAFETY FEATURES (ESF) WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE, AND REFUELING ACTIVITY. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 12-15 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ON SITE IN THE AREAS OF MODERATOR TEMPERATURE COEFFICIENT DETERMINATION, CONTAINMENT ISOLATION VALVE TEST WITNESSING, SURVEILLANCE TEST PROCEDURE REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

CONTRARY TO 10 CFR PART 50, APPENDIX "B", CRITERION XVII, TECHNICAL SPECIFICATION 6.10.2.A, AMENDMENT 4 OF THE VIRGINIA ELECTRIC AND POWER COMPANY (VEPCO) TOPICAL REPORT, VEP-1, "QUALITY ASSURANCE PROGRAM, OPERATIONS PHASE", AND SECTION 3.2 OF ANSI N45.2.9-1974, THE RECORD RETENTION AND QUALIFICATION TRACEABILITY REQUIREMENTS ARE NOT BEING SATISFIED. SPECIFICALLY, THE PRACTICE DESCRIBED IN SECTION 5.2.2.1 OF ADMINISTRATIVE PROCEDURE (ADM) 3.1, DATED AUGUST 15, 1985, WHICH ALLOWS A PERSON OTHER THAN THE ONE ACTUALLY PERFORMING THE ACTION TO SIGN FOR ITS COMPLETION, COMBINED WITH THE DESTRUCTION OF THE WHITE WORKING COPY OF DESIGN CHANGE PROCEDURES, WHICH DO CONTAIN THE SIGNATURES OF THE PERSON WHO PERFORMED THE ACTION, DOES NOT ENSURE THAT A VALID RECORD OF ACTIVITIES AFFECTING QUALITY IS MAINTAINED. DESIGN CHANGE PROCEDURES DCP-82-14B, DCP-83-24, AND DCP-84-15 CONTAIN EXAMPLES WHERE A PERSON OTHER THAN THE ONE WHO ACTUALLY PERFORMED THE ACTIVITY AFFECTING QUALITY, SIGNED FOR THAT ACTION IN THE MASTER COLORED CONTROLLED COPY (I.E., RECORD COPY) OF THE PROCEDURE. BREACH IN VITAL AREA BARRIER IN EXCESS OF PSP COMMITMENT.

FAILURE TO MEET ONE SECOND ALARM ANNUNCIATION COMMITMENT IN PSP.
(8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 4 - DECEMBER 1, 1985 +

INSPECTION REPORT NO: 50-338/85-31 +

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

1. Docket: 50-339 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: B. GARNER (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): 941

8. Maximum Dependable Capacity (Net MWe): 893

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

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

11. Reasons for Restrictions, If Any: _____
NONE

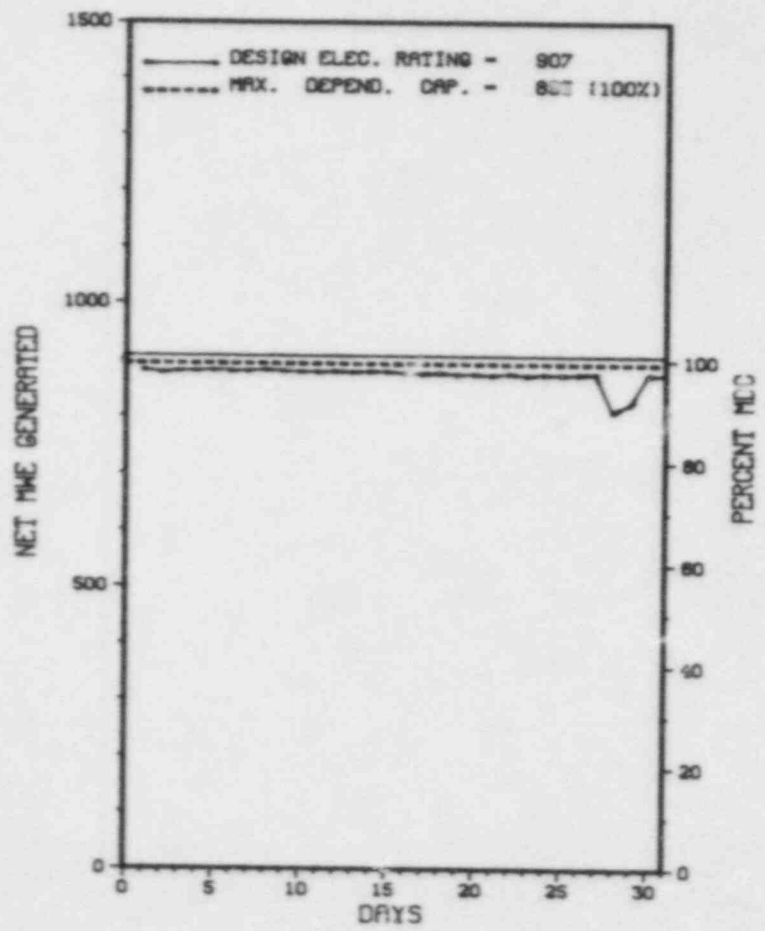
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>44,256.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,534.4</u>	<u>34,317.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>195.3</u>	<u>2,572.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,254.9</u>	<u>33,432.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,055,196</u>	<u>21,645,159</u>	<u>87,149,389</u>
18. Gross Elec Ener (MWH)	<u>683,520</u>	<u>7,182,917</u>	<u>28,902,182</u>
19. Net Elec Ener (MWH)	<u>649,818</u>	<u>6,813,587</u>	<u>27,382,860</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.2</u>	<u>75.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.2</u>	<u>75.5</u>
22. Unit Cap Factor (MDC Net)	<u>97.8</u>	<u>87.2</u>	<u>69.3</u>
23. Unit Cap Factor (DER Net)	<u>96.3</u>	<u>85.8</u>	<u>68.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>5.8</u>	<u>11.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>505.1</u>	<u>4,279.8</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, 03-14-86, 48 DAYS.

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

* NORTH ANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
NORTH ANNA 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * NORTH ANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System Component	Cause & Corrective Action to Prevent Recurrence
85-54	12/21/85	S	0.0	H	5			RAMPED DOWN TO 92% POWER FOR TURBINE VALVE FREEDOM TEST. UNIT RETURNED TO 100% POWER.
85-55	12/28/85	S	0.0	H	5			RAMPED DOWN TO 77% POWER FOR REPAIRS ON TUBE LEAKS IN THE DRAIN COOLER SYSTEM. REPAIRS WERE MADE AND UNIT RETURNED TO 100% POWER.

***** NORTH ANNA 2 OPERATED ROUTINELY IN DECEMBER WITH NO SHUTDOWNS REPORTED.
 * SUMMARY *

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 License Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

* NORTH ANNA 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....M. BRANCH
LICENSING PROJ MANAGER.....L. ENGLE
DOCKET NUMBER.....50-339
LICENSE & DATE ISSUANCE...NPF-7, AUGUST 21, 1980
PUBLIC DOCUMENT ROOM.....ALDERMAN LIBRARY/MANUSCRIPTS DEPT.
UNIV. OF VIRGINIA/CHARLOTTESVILLE VA 22901
& 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 NOVEMBER 18-22 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 27 INSPECTOR-HOURS ON SITE IN THE AREAS OF LIQUID AND GASEOUS EFFLUENTS AND RADIOLOGICAL ENVIRONMENTAL MONITORING. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 22 (85-30): THIS SPECIAL INSPECTION WAS PERFORMED TO EVALUATE THE FINDINGS OF NRC OFFICE OF INVESTIGATIONS REPORT NO. 2-84-015, "NORTH ANNA POWER STATION, POSSIBLE WILLFUL USE OF NON-NUCLEAR QUALIFIED COATING MATERIAL ON CONTAINMENT DUCTWORK AND FALSIFICATION OF QUALITY ASSURANCE DOCUMENTATION". ONE VIOLATION WAS IDENTIFIED IN THAT NUMEROUS QUALITY ASSURANCE RECORDS WERE DELIBERATELY FALSIFIED WITHOUT APPARENT MANAGEMENT KNOWLEDGE.

INSPECTION NOVEMBER 4 - DECEMBER 1 (85-31): THIS ROUTINE INSPECTION BY THE RESIDENT INSPECTOR INVOLVED 50 INSPECTOR-HOURS ON SITE IN THE AREAS OF LICENSEE EVENT REPORT (LER), ENGINEERING SAFETY FEATURES (ESF) WALKDOWN, OPERATIONAL SAFETY VERIFICATION, MONTHLY MAINTENANCE, MONTHLY SURVEILLANCE, AND REFUELING ACTIVITY. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 12-15 (85-33): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ON SITE IN THE AREAS OF MODERATOR TEMPERATURE COEFFICIENT DETERMINATION, CONTAINMENT ISOLATION VALVE TEST WITNESSING, SURVEILLANCE TEST PROCEDURE REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED INSPECTION FINDINGS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period DEC 1985

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

* NORTH ANNA 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NGRMAL OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 4 - DECEMBER 1, 1985 +

INSPECTION REPORT NO: 50-339/85-31 +

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

NONE.			

.....

1. Docket: 59-269 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: J. A. REAVIS (7P4) 573-7567

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>744.0</u>	<u>8,760.0</u>	<u>109,249.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,453.3</u>	<u>80,446.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,425.7</u>	<u>77,130.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MMH)	<u>1,910,592</u>	<u>21,426,436</u>	<u>186,300,200</u>
18. Gross Elec Ener (MMH)	<u>662,930</u>	<u>7,410,160</u>	<u>64,746,840</u>
19. Net Elec Ener (MMH)	<u>632,973</u>	<u>7,065,963</u>	<u>61,398,249</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.2</u>	<u>70.6</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.2</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>98.9</u>	<u>93.8</u>	<u>45.2*</u>
23. Unit Cap Factor (DER Net)	<u>95.9</u>	<u>90.9</u>	<u>63.4*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>14.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>334.3</u>	<u>12,539.5</u>

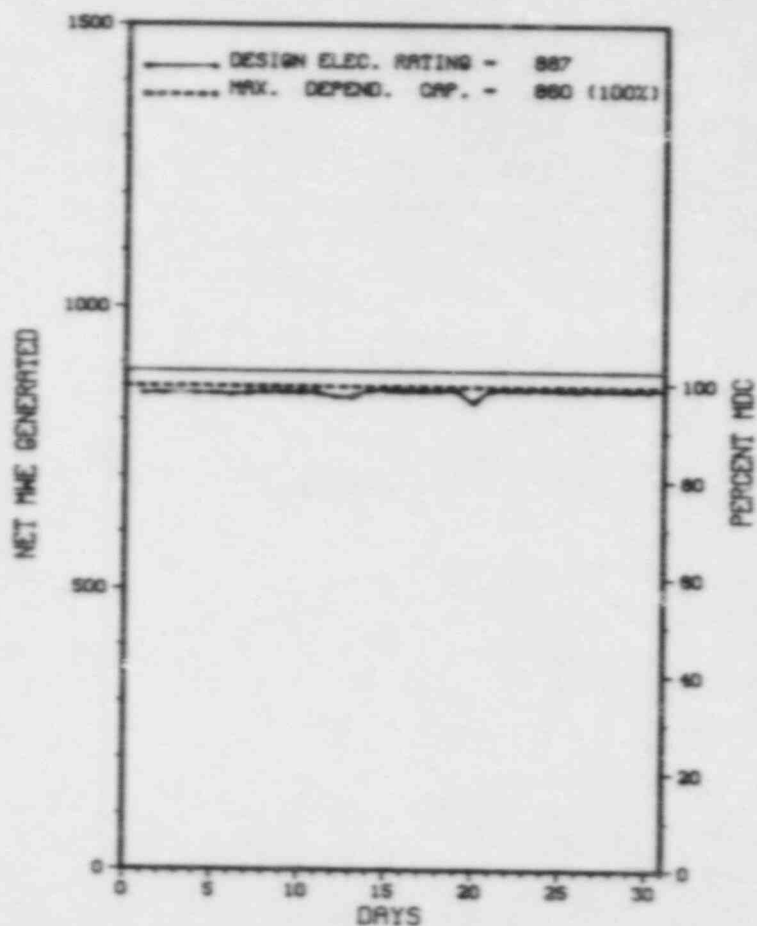
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING - FEBRUARY 13, 1986 - 8 WEEKS.

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* OCONEE 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
43-P	12/06/85	F	0.0	A	5		XX	PUMPXX	CONDENSER COOLING WATER PUMP SCREEN CLEANING DUE TO LOW LEVEL ALARMS.
44-P	12/20/85	S	0.0	B	5		CC	VALVEX	TURBINE VALVE MOVEMENT PT'S
45-P	12/20/85	F	0.0	A	5		IF	INSTRU	INTEGRATED CONTROL SYSTEM UNIT LOAD DEMAND PROBLEMS.

***** OCONEE 1 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGE REPORTED.
 * SUMMARY *

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X OCONEE 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....OCONEE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...30 MI W OF
GREENVILLE, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...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
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 OCTOBER 15-17 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 6 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS. IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND LICENSEE IDENTIFIED ITEMS (LERS). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 12 - DECEMBER 9 (85-38): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 50 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, STARTUP TESTING OF THE SAFE SHUTDOWN FACILITY, AND LER REVIEW. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

INADEQUATE PROCEDURE DOCUMENTING VITAL AREA BARRIER CHECKS.
(8502 5)

OTHER ITEMS

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

* OCONEE 1 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 12 - DECEMBER 9, 1985 +

INSPECTION REPORT NO: 50-269/85-38 +

REPORTS FROM LICENSEE

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-270 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (MWT): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 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

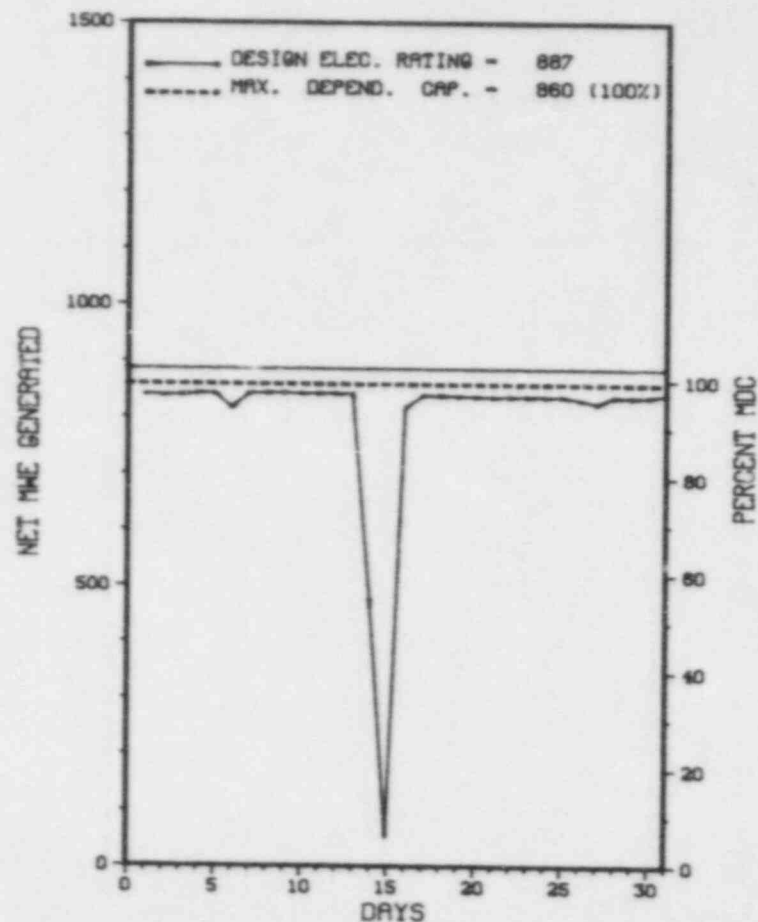
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>99,169.0</u>
13. Hours Reactor Critical	<u>723.5</u>	<u>6,740.3</u>	<u>72,838.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>719.5</u>	<u>6,657.3</u>	<u>71,601.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,831,087</u>	<u>15,635,598</u>	<u>170,403,902</u>
18. Gross Elec Ener (MWH)	<u>624,210</u>	<u>5,324,425</u>	<u>58,052,341</u>
19. Net Elec Ener (MWH)	<u>596,075</u>	<u>5,058,028</u>	<u>55,167,561</u>
20. Unit Service Factor	<u>96.7</u>	<u>76.0</u>	<u>72.2</u>
21. Unit Avail Factor	<u>96.7</u>	<u>76.0</u>	<u>72.2</u>
22. Unit Cap Factor (MDC Net)	<u>93.2</u>	<u>67.1</u>	<u>64.5*</u>
23. Unit Cap Factor (DER Net)	<u>90.3</u>	<u>65.1</u>	<u>62.8*</u>
24. Unit Forced Outage Rate	<u>3.3</u>	<u>5.9</u>	<u>13.8</u>
25. Forced Outage Hours	<u>24.5</u>	<u>417.7</u>	<u>10,673.8</u>

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

27. If Currently Shutdown Estimated Start-up Date: N/A

* O C O N E E 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
O C O N E E 2



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
33-P	12/06/85	S	0.0	B	5		CC	VALVEX	CONTROL & STOP VALVE MOVEMENT PT'S
8	12/14/85	F	24.5	A	2		CB	ZZZZZ	HOT SHUTDOWN FOR UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE.
34-P	12/16/85	F	0.0	A	5		HH	PUMPXX	(2E2) HEATER DRAIN PUMP TRIPPED (AXIAL IMBALANCE).
35-P	12/26/85	F	0.0	A	5		HH	PUMPXX	(2E1) HEATER DRAIN PUMP SEIZURE.

 * SUMMARY *

 OCONEE 2 EXPERIENCED 1 SHUTDOWN IN DECEMBER BECAUSE OF UNIDENTIFIED RCS LEAKAGE.

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 < *

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

Report Period DEC 1985

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 EMER 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 OCTOBER 15-17 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 6 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND LICENSEE IDENTIFIED ITEMS (LERS). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 12 - DECEMBER 9 (85-38): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, STARTUP TESTING OF THE SAFE SHUTDOWN FACILITY, AND LER REVIEW. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO MEET ONE SECOND ALARM ANNUNCIATION COMMITMENT IN PSP.
(8502 4)

INADEQUATE PROCEDURE DOCUMENTING VITAL AREA BARRIER CHECKS.
(8502 5)

Report Period DEC 1985

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

XX
X OCONEE 2 X
XX

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 12 - DECEMBER 9, 1985 +

INSPECTION REPORT NO: 50-270/85-38 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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

4. Licensed Thermal Power (Mwt): 2568

5. Nameplate Rating (Gross MWe): 1038 X 0.9 = 934

6. Design Electrical Rating (Net MWe): 887

7. Maximum Dependable Capacity (Gross MWe): 899

8. Maximum Dependable Capacity (Net MWe): 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>744.0</u>	<u>8,760.0</u>	<u>96,816.0</u>
13. Hours Reactor Critical	<u>437.4</u>	<u>6,140.9</u>	<u>69,371.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>428.6</u>	<u>6,074.4</u>	<u>68,133.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,097,666</u>	<u>14,871,405</u>	<u>166,668,445</u>
18. Gross Elec Ener (MWH)	<u>375,310</u>	<u>5,103,120</u>	<u>57,528,054</u>
19. Net Elec Ener (MWH)	<u>354,741</u>	<u>4,857,984</u>	<u>54,779,357</u>
20. Unit Service Factor	<u>57.6</u>	<u>69.3</u>	<u>70.4</u>
21. Unit Avail Factor	<u>57.6</u>	<u>69.3</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>55.4</u>	<u>64.5</u>	<u>65.6*</u>
23. Unit Cap Factor (DER Net)	<u>53.8</u>	<u>62.5</u>	<u>63.9*</u>
24. Unit Forced Outage Rate	<u>42.4</u>	<u>16.7</u>	<u>14.5</u>
25. Forced Outage Hours	<u>315.4</u>	<u>1,218.2</u>	<u>11,765.4</u>

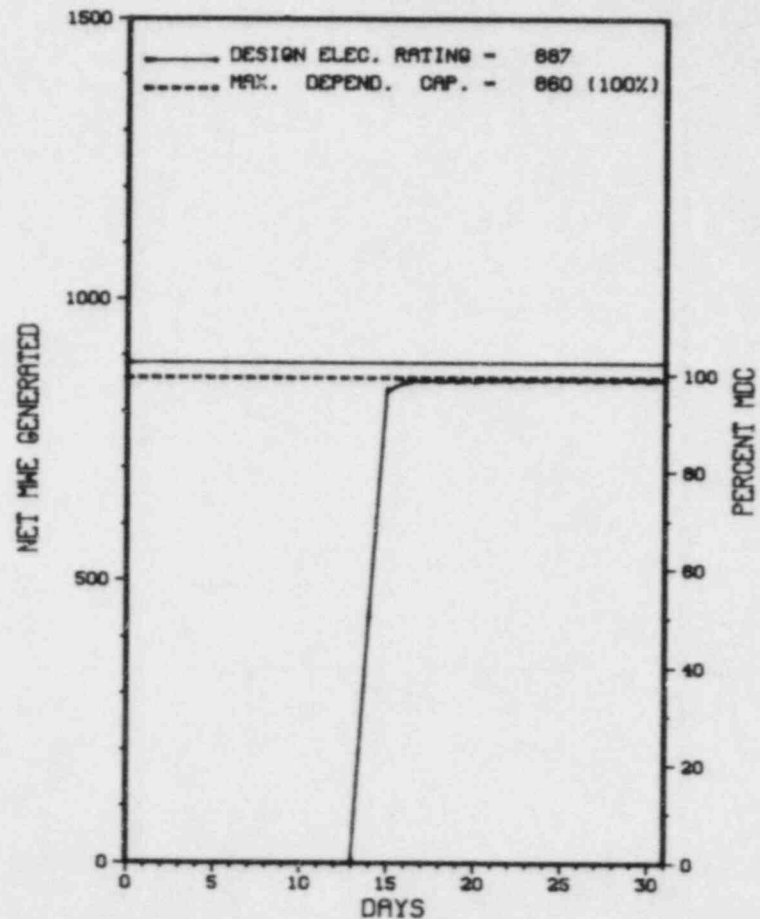
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* OCONEE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OCONEE 3



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OCONEE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	12/01/85	F	313.4	A	1		HJ	TURBIN	MAIN TURBINE #1 BEARING REPAIR.
40-P	12/14/85	F	0.0	B	5		HJ	TURBIN	TURBINE WORK-BEARING TEMPERATURE STABILIZATION PERIOD.
9	12/14/85	F	2.0	B	3		HJ	ZZZZZ	TRIPPED TURBINE FOR OVERSPEED TRIP TEST (REACTOR CRITICAL).
41-P	12/14/85	F	0.0	B	r		HH	PUMPXX	FEEDWATER PUMP BARREL TEMPERATURE READINGS.
42-P	12/14/85	F	0.0	A	5		HH	PUMPXX	(3E2) HEATER DRAIN PUMP STARTING PROBLEMS.
43-P	12/15/85	F	0.0	A	5		HH	VALVEX	HEATER DRAIN SYSTEM SWING (DUE TO 3HPE-36 GOING SHUT).

 * SUMMARY *

 OCONEE 3 INCURRED A SHUTDOWN IN DECEMBER FOR MAIN TURBINE HEARING REPAIR AND ONE FOR TURBINE OVERSPEED TRIP TEST.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	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 *

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

Report Period DEC 1985

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 NUMBER.....50-287
LICENSE & DATE ISSUANCE...DPR-55, JULY 19, 1974
PUBLIC DOCUMENT ROOM.....OCONEE COUNTY LIBRARY
501 W. SOUTH BROAD ST.
WALHALLA, SOUTH CAROLINA 29691

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 15-17 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 7 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND LICENSEE IDENTIFIED ITEMS (LERS). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.
INSPECTION NOVEMBER 12 - DECEMBER 9 (85-38): THIS ROUTINE, ANNOUNCED INSPECTION ENTAILED 48 INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONS, SURVEILLANCE, MAINTENANCE, STARTUP TESTING OF THE SAFE SHUTDOWN FACILITY, AND LER REVIEW. OF THE FIVE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO MEET ONE SECOND ALARM ANNUNCIATION COMMITMENT IN PSP.
(8502 4)
INADEQUATE PROCEDURE DOCUMENTING VITAL AREA BARRIER CHECKS.
(8502 5)
CONTRARY TO TS 6.4.1 AND OPERATIONS MANAGEMENT PROCEDURE 2-3, ON OCTOBER 15, 1985, NEITHER THE RO OR UNIT SUPERVISOR'S LOG

Report Period DEC 1985

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

* OCONEE 3 *

ENFORCEMENT SUMMARY

CONTAINED AN ENTRY DISCUSSING THE FAILURE OF VALVE 3LP-2, THE LOOP ISOLATION VALVE FOR THE DECAY HEAT REMOVAL SYSTEM, TO OPEN ON DEMAND FROM ITS CONTROL ROOM HANDSWITCH WHEN IT WAS DESIRED TO PLACE THE DECAY HEAT REMOVAL SYSTEM IN SERVICE. THOUGH THE VALVE WAS OPENED 55 MINUTES LATER AND DECAY HEAT REMOVAL WAS MAINTAINED THROUGH THE STEAM GENERATORS, FAILURE TO LOG THE ITEM OR TO WRITE A WORK ORDER PROVIDED NO INDICATION TO MANAGEMENT OF POSSIBLY NEEDED MAINTENANCE OR MODIFICATION.

(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

POWER OPERATION.

LAST IE SITE INSPECTION DATE: NOVEMBER 12 - DECEMBER 9, 1985 +

INSPECTION REPORT NO: 50-287/85-38 +

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: 50-219 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: JOSEPH R. MOLNAR (609) 971-4699

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>140,472.0</u>
13. Hours Reactor Critical	<u>701.0</u>	<u>6,818.5</u>	<u>93,142.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>289.8</u>	<u>759.5</u>
15. Hrs Generator On-Line	<u>684.0</u>	<u>6,521.4</u>	<u>90,058.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1,305.9</u>	<u>1,308.6</u>
17. Gross Therm Ener (MWH)	<u>1,291,000</u>	<u>11,615,140</u>	<u>148,954,000</u>
18. Gross Elec Ener (MWH)	<u>436,510</u>	<u>3,907,690</u>	<u>50,290,685</u>
19. Net Elec Ener (MWH)	<u>419,797</u>	<u>3,746,033</u>	<u>48,310,493</u>
20. Unit Service Factor	<u>91.9</u>	<u>74.4</u>	<u>64.1</u>
21. Unit Avail Factor	<u>91.9</u>	<u>89.4</u>	<u>65.0</u>
22. Unit Cap Factor (MDC Net)	<u>91.0</u>	<u>69.0</u>	<u>55.5*</u>
23. Unit Cap Factor (DER Net)	<u>86.8</u>	<u>65.8</u>	<u>52.9</u>
24. Unit Forced Outage Rate	<u>8.1</u>	<u>18.8</u>	<u>12.5</u>
25. Forced Outage Hours	<u>60.0</u>	<u>1,508.5</u>	<u>10,905.2</u>

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

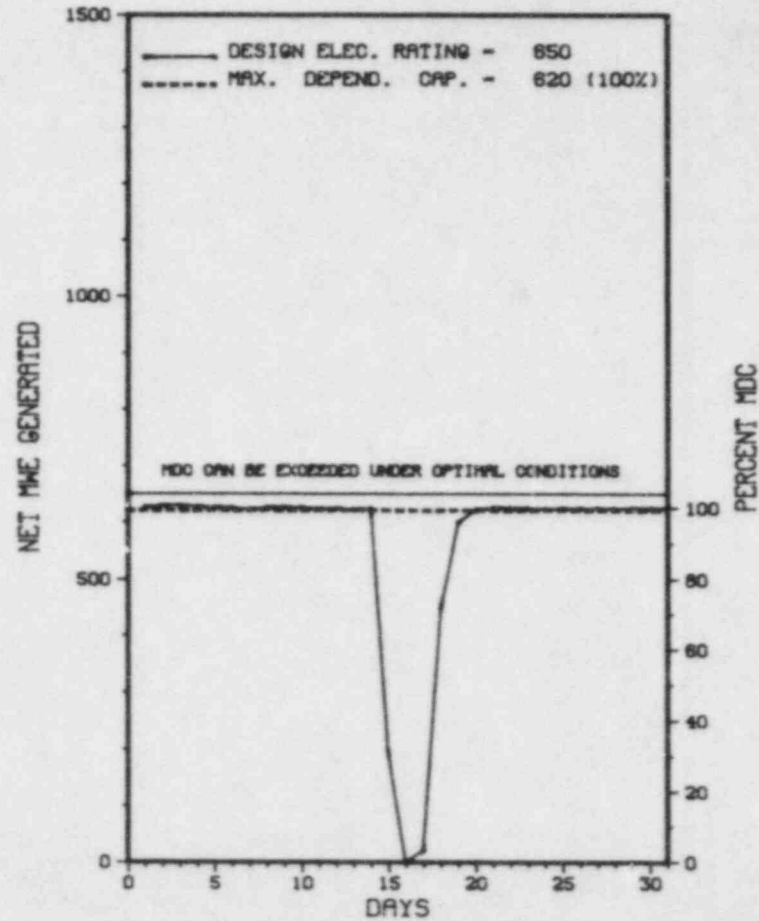
REFUELING, APRIL 12, 1986, 6 MONTHS.

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

* OYSTER CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

OYSTER CREEK 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * OYSTER CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
43	12/15/85	F	60.0	A	3		ZZ	ZZZZZZ	REACTOR SCRAM ON HIGH NEUTRON FLUX DUE TO PRESSURE SPIKE CAUSED BY CLOSURE OF THE TURBINE CONTROL VALVES. CLOSURE OF THE VALVES RESULTED FROM A LOOSE CONNECTION TO THE POSITION FEEDBACK CIRCUITRY.

***** OYSTER CREEK INCURRED A REACTOR TRIP IN DECEMBER AS DESCRIBED ABOVE.
 * 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)

* OYSTER CREEK 1 *

FACILITY DATA

Report Period DEC 1985

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 DEC 1985

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

* O Y S T E R C R E E K 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-255 O P E R A T I N G S T A T U S
2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
3. Utility Contact: P. A. SMITH (616) 764-8913
4. Licensed Thermal Power (MWh): 2530
5. Nameplate Rating (Gross MWe): 955 X 0.85 = 812
6. Design Electrical Rating (Net MWe): 805
7. Maximum Dependable Capacity (Gross MWe): 770
8. Maximum Dependable Capacity (Net MWe): 730
9. If Changes Occur Above Since Last Report, Give Reasons:

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>744.0</u>	<u>8,760.0</u>	<u>123,039.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>7,490.2</u>	<u>68,300.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>7,344.4</u>	<u>64,959.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>0</u>	<u>17,519,088</u>	<u>135,602,040</u>
18. Gross Elec Ener (MWh)	<u>0</u>	<u>5,599,610</u>	<u>42,217,400</u>
19. Net Elec Ener (MWh)	<u>0</u>	<u>5,301,797</u>	<u>39,741,360</u>
20. Unit Service Factor	<u>.0</u>	<u>83.8</u>	<u>52.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>83.8</u>	<u>52.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>91.8</u>	<u>44.2</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>75.2</u>	<u>40.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.2</u>	<u>31.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>657.1</u>	<u>15,556.1</u>

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

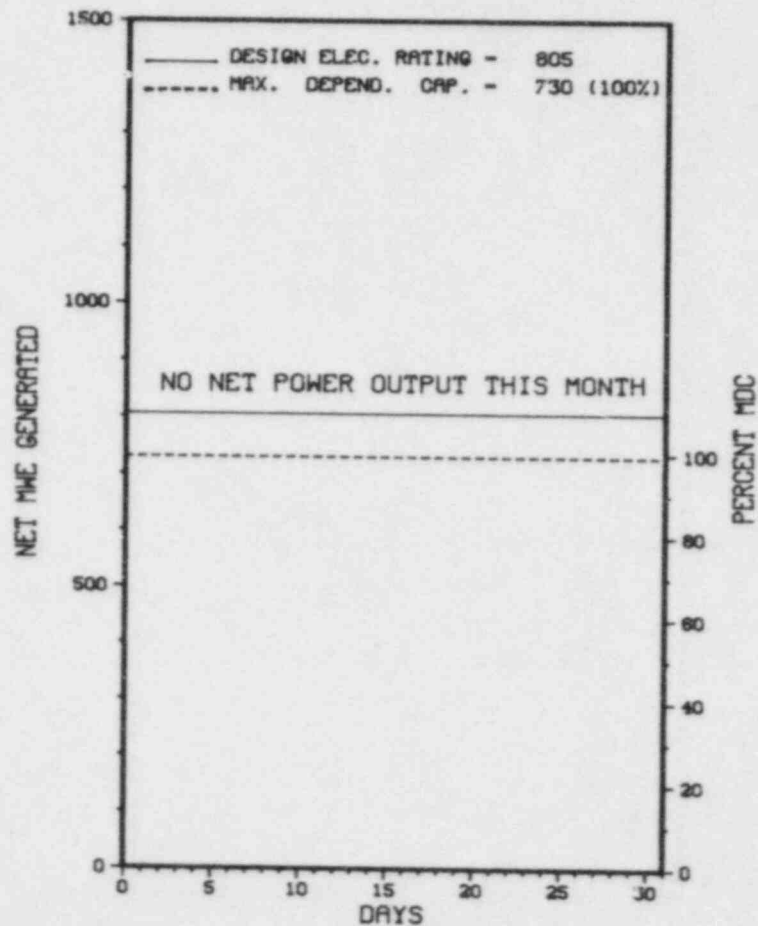
NONE

27. If Currently Shutdown Estimated Startup Date: 02/10/86

 X PALISADES X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PALISADES



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* PALISADES *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
15	11/30/85	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR REFUELING AND MAINTENANCE.

***** PALISADES REMAINS SHUT DOWN FOR REFUELING.
* 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)

* PALISADES *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....CONSUMERS POWER

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

CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL

NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....BECHTEL

TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III

IE RESIDENT INSPECTOR.....E. SWANSON

LICENSING PROJ MANAGER.....T. WAMBACH
DOCKET NUMBER.....50-255

LICENSE & DATE ISSUANCE...DPR-20, OCTOBER 16, 1972

PUBLIC DOCUMENT ROOM.....VAN ZOEREN LIBRARY
HOPE COLLEGE
HOLLAND, MICHIGAN
49423 49007

INSPECTION STATUS

INSPECTION SUMMARY

INSPECTION ON OCTOBER 8 THROUGH NOVEMBER 22, (85026): A ROUTINE SAFETY INSPECTION TO VERIFY LICENSEE ACTIVITIES FOR TESTING AND DECLARING A THIRD AUXILIARY FEEDWATER PUMP OPERATIONAL. AREAS INSPECTED INCLUDED: REVIEW OF TESTING PROCEDURE AND OF COMPLETED TEST PACKAGE. THIS INSPECTION INVOLVED 50 INSPECTOR-HOURS ONSITE INCLUDING 5 HOURS ONSITE DURING OFF-SHIFTS AND 18 INSPECTOR-HOURS IN-OFFICE. OF THE TWO AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED THAT REQUIRE ACTIONS BY THE LICENSEE. HOWEVER, TWO UNRESOLVED ITEMS AND FOUR OPEN ITEMS WERE IDENTIFIED THAT REQUIRE ADDITIONAL ACTIONS BY THE LICENSEE AND THE NRC OR BOTH.

INSPECTION ON OCTOBER 16 THROUGH NOVEMBER 18, 1985 (85027): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTOR OF PREVIOUS INSPECTION FINDINGS; OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; ENGINEERED SAFETY FEATURE WALKDOWN; REPORTABLE EVENTS; COLD WEATHER PREPARATIONS; RECEIPT OF NEW FUEL; AND THE OCTOBER 24, 1985, MANAGEMENT MEETING. THE INSPECTION INVOLVED A TOTAL OF 123 INSPECTOR-HOURS ONSITE BY SIX NRC INSPECTORS INCLUDING 14 INSPECTOR-HOURS ON SITE DURING OFF-SHIFTS. THREE VIOLATIONS WERE IDENTIFIED DURING THIS INSPECTION. THE FIRST WAS A RESULT OF THE FAILURE TO INSTALL ENVIRONMENTALLY QUALIFIED TEMPERATURE SWITCHES FOR THE COOLER FAN IN THE SAFEGUARDS PUMP ROOM. THE SECOND REFLECTS A BREAKDOWN OF SEVERAL ASPECTS OF THE CORRECTIVE ACTION SYSTEM WHICH RESULTED IN UNTIMELY CORRECTION OF A TECHNICAL SPECIFICATION VIOLATION. THE THIRD VIOLATION RELATES TO A SITUATION WHERE BOTH LICENSED SENIOR REACTOR OPERATORS WERE ABSENT FROM THE CONTROL ROOM SIMULTANEOUSLY. ONE UNRESOLVED ITEM INVOLVES THE CONTINUING EQUIPMENT PROBLEMS WHICH RESULT IN INOPERABLE SAFETY INJECTION TANKS AND THE OPERATORS' FAILURE TO RECOGNIZE THAT PLANT CONDITIONS WERE NOT ALLOWED BY THE TECHNICAL SPECIFICATIONS. AN ADDITIONAL CONCERN RELATES TO THE MAINTENANCE CONTROLS DURING REPLACEMENT OF A SHUTDOWN COOLING SYSTEM (SDC) VALVE CONTROL SWITCH THAT RESULTED IN A LOSS OF SDC FOR

Report Period DEC 1985

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

* PALISADES *

INSPECTION SUMMARY

SIXTY-FIVE MINUTES. THE TWO OPEN ITEMS WERE IDENTIFIED TO TRACK COMPLETION OF SPECIFIC LICENSEE CORRECTIVE ACTIONS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

ENTERED A REFUELING OUTAGE ON 11/30/85.

LAST IE SITE INSPECTION DATE: JANUAYR 19 - FEBRUARY 19, 1986

INSPECTION REPORT NO: 86005

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
-----
85-24    11/08/85   12/09/85   INOPERABLE ESF EQUIPMENT
85-25    11/30/85   12/30/85   EQ EQUIPMENT INOPERABLE
85-26    11/29/85   12/30/85   TWO SAFETY INJECTION TANKS INOPERABLE
=====

```


1. Docket: 50-528 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: MARY P. RICHARDSON (602) 932-5300

4. Licensed Thermal Power (MWT): 3800

5. Nameplate Rating (Gross MWe): 1304

6. Design Electrical Rating (Net MWe): 1270

7. Maximum Dependable Capacity (Gross MWe): 1270

8. Maximum Dependable Capacity (Net MWe): 1270

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

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

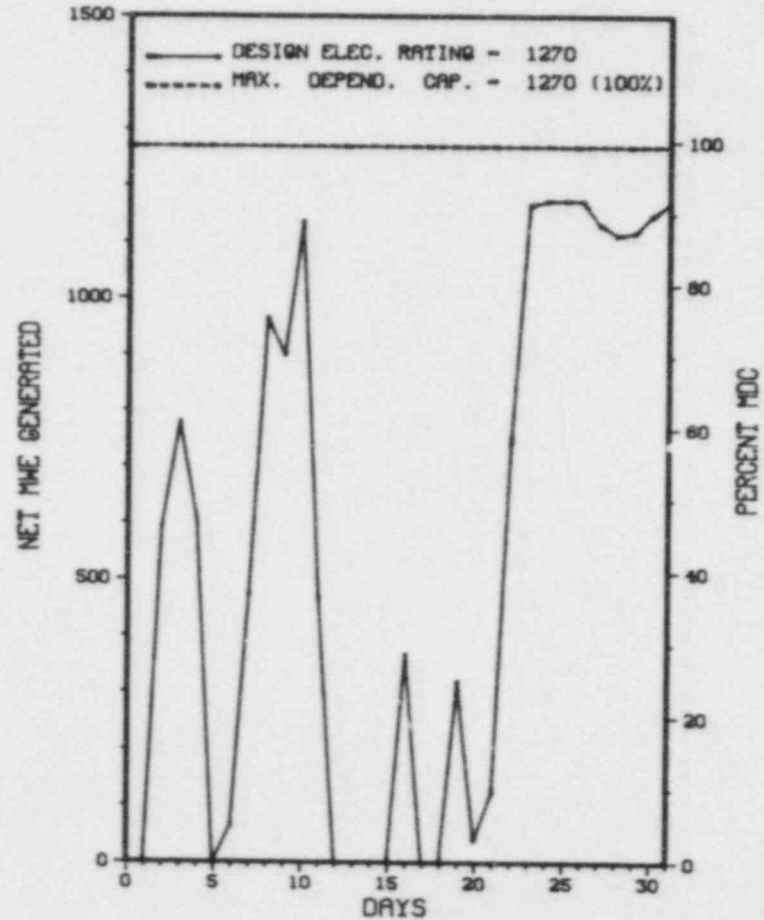
11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>4,899.6</u>	<u>4,899.6</u>
13. Hours Reactor Critical	<u>583.8</u>	<u>2,450.7</u>	<u>2,450.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>465.3</u>	<u>2,020.5</u>	<u>2,020.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,460,729</u>	<u>4,394,188</u>	<u>4,394,188</u>
18. Gross Elec Ener (MWH)	<u>478,600</u>	<u>1,336,700</u>	<u>1,336,700</u>
19. Net Elec Ener (MWH)	<u>430,781</u>	<u>1,127,650</u>	<u>1,127,650</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>276.7</u>	<u>2,877.1</u>	<u>2,877.1</u>
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):	<u>SURVEILLANCE TEST OUTAGE - 3/86, 49 DAYS.</u>		
27. If Currently Shutdown Estimated Startup Date:	<u>N/A</u>		

 * PALO VERDE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 PALO VERDE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PALO VERDE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	10/24/85	F	23.1	B	3	1-85-071-00	SB	LEXXXX	INSTRUMENTATION SPIKE CAUSED BY A SHOCK WAVE.
20	12/04/85	S	2.0	B	3				LOAD REJECT TEST.
21	12/04/85	F	33.4	A	3	1-85-088-00	AA		HIGH PENALTY FACTOR BEING INSERTED BY THE CEACS DUE TO DROPPING SUBGROUP 12 (PART LENGTH). REPLACE PHASE SYNCHRONIZER CARD.
22	12/06/85	F	1.9	A	3				HIGH VIBRATION. RESET.
23	12/06/85	F	17.3	A	3				GENERATOR EXCITER TRIP. VENTED NORMAL CHILLED WATER TO COLLECTOR HOUSING.
24	12/11/85	F	0.0	A	5				REDUCTION IN POWER DUE TO SUSPECTED CONDENSER TUBE LEAK. PLUGGED TUBES.
25	12/12/85	F	112.1	A	1				REACTOR SHUTDOWN DUE TO AMMONIA CONCENTRATION CHEMISTRY IN PRIMARY.
26	12/16/85	F	0.0	H	5	1-85-083-00			BOP ESFAS SEQUENCER FAILED, ENTERED TECH. SPEC. LCO 3.0.3.
27	12/16/85	F	52.9	A	3	1-85-090-00	JK	LICXXX	LOW STEAM GENERATOR LEVEL ON ALL 4 CHANNELS. REVISED SETPOINTS TO FWCS.
28	12/20/85	F	36.0	A	3	1-85-080-00	JI	PMCXXX	HIGH PRESSURIZER PRESSURE AFTER TURBINE RUNBACK. REVISED SETPOINTS.

***** PALO VERDE 1 INCURRED SEVERAL OUTAGES IN DECEMBER AS DISCUSSED ABOVE.
 * 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)

* PALO VERDE 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ARIZONA
COUNTY.....MARICOPA
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...36 MI W OF
PHOENIX, AZ
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 25, 1985
DATE ELEC ENER 1ST GENER...JUNE 10, 1985
DATE COMMERCIAL OPERATE...*****
CONDENSER COOLING METHOD...TREATED SEWAGE
CONDENSER COOLING WATER...SEWAGE TREATMENT
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....ARIZONA PUBLIC SERVICE
CORPORATE ADDRESS.....P.O. BOX 21666
PHOENIX, ARIZONA 85036
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. ZIMMERMAN
LICENSING PROJ MANAGER.....E. LICITRA
DOCKET NUMBER.....50-528
LICENSE & DATE ISSUANCE...NPF-41, JUNE 1, 1985
PUBLIC DOCUMENT ROOM.....MS STEFANIE MORITZ
DOCUMENTS LIBRARIAN
PHOENIX PUBLIC LIBRARY
12 EAST MCDOWELL ROAD
PHOENIX, ARIZONA 85004

INSPECTION STATUS

INSPECTION SUMMARY

+ INSPECTION ON OCTOBER 28 - NOVEMBER 8, 1985 (REPORT NO. 50-528/85-31) AREAS INSPECTED: ANNUAL, UNANNOUNCED TEAM INSPECTION. THE INSPECTION FOCUSED ON ASSESSING THE ADEQUACY, EFFECTIVENESS AND IMPLEMENTATION OF THE LICENSEE'S ADMINISTRATIVE CONTROLS AND THE DEGREE AND EFFECTIVENESS OF MANAGEMENT INVOLVEMENT IN THE IMPLEMENTATION OF THESE CONTROLS AS THEY ARE APPLIED TO OPERATION AND MAINTENANCE. THE FOLLOWING ACTIVITIES OF THE LICENSEE WERE EXAMINED: 1) PLANT PROCEDURES; 2) QA AUDIT PROGRAM; 3) OPERATING STAFF TRAINING; 4) MAINTENANCE; 5) DESIGN CHANGE AND MODIFICATIONS PROGRAM; 6) CALIBRATION PROGRAM; 7) SURVEILLANCE TESTING AND CALIBRATION; 8) FOLLOWUP VENDOR AND TECHNICAL MAP/JALS; 9) MOTOR OPERATED VALVE MAINTENANCE PROGRAM. TO THE MAXIMUM EXTENT FEASIBLE, THE EFFECTIVENESS OF THESE ACTIVITIES WERE ASSESSED AS THEY APPLY TO THE FOLLOWING PLANT SYSTEMS: 1) AUXILIARY FEEDWATER SYSTEM (AFWS); 2) DIESEL GENERATOR SYSTEM (DG); 3) PRESSURIZER AUXILIARY SPRAY SYSTEM (PASS). DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 586 INSPECTOR-HOURS ONSITE BY EIGHT NRC INSPECTORS.

RESULTS: OF THE AREAS INSPECTED, TWO VIOLATIONS OF NRC REQUIREMENTS AND ONE DEVIATION FROM A LICENSEE COMMITMENT WERE IDENTIFIED.

+ INSPECTION ON SEPTEMBER 16, 1985 - FEBRUARY 1, 1986 (REPORT NO. 50-528/85-36) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE. INSPECTION CONTINUING; TO BE REPORTED IN FEBRUARY 1986.

+ INSPECTION ON NOVEMBER 5 - DECEMBER 17, 1985 (REPORT NO. 50-528/85-42) AREAS INSPECTED: A ROUTINE, ONSITE INSPECTION BY THE CONSTRUCTION RESIDENT INSPECTORS OF ACTIVITIES RELATED TO LICENSEE ACTION ON NRC-IDENTIFIED ITEMS; REVIEW OF LICENSEE ACTION ON

INSPECTION SUMMARY

THREE REPORTED 50.55(E) ITEMS, REVIEW OF QUALITY IMPLEMENTING PROCEDURES FOR ELECTRICAL CABLE INSTALLATION AND INSTRUMENT COMPONENTS, AND CLOSURE OF ALLEGATION NOS. RV-85-A-034 AND RV-85-A-053. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 423 INSPECTOR-HOURS ONSITE BY THREE RESIDENT NRC INSPECTORS.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 12 - DECEMBER 26, 1985 (REPORT NO. 50-528/85-43) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 1-13, 1985 (REPORT NO. 50-528/85-45) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF LICENSEE ACTION ON POWER ASCENSION TESTING AT THE 80% POWER PLATEAU, POWER ASCENSION TEST DATA AT THE 50% POWER PLATEAU, AND FOLLOWUP OF INSPECTOR-IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 37 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 9-13, 1985 (REPORT NO. 50-528/85-46) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR OF ACTIVITIES ASSOCIATED WITH CONTAINMENT STRUCTURES AND SUPPORTS, REACTOR COOLANT LOOP PIPING, OTHER SAFETY-RELATED PIPING, AND FOLLOWUP ON A COMMITMENT TO REVIEW AWS WELDER QUALIFICATIONS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 35 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON DECEMBER 18, 1985 - JANUARY 21, 1986 (REPORT NO. 50-528/85-47) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON JANUARY 6-10, 1986 (REPORT NO. 50-528/86-01) INSPECTION TO BE COMPLETED IN JANUARY 1986.

+ INSPECTION ON DECEMBER 27, 1985 - FEBRUARY 2, 1986 (REPORT NO. 50-528/86-02) INSPECTION CONTINUING; TO BE REPORTED IN FEBRUARY 1986.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

MICROBIOLOGICAL INDUCED CORROSION ISSUE IN SPRAY POND IS BEING RESOLVED BY NRR. AUXILIARY SPRAY SYSTEM SAFETY GRADE ISSUE IS BEING RESOLVED BY NRR.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

ANNUAL SALP BOARD MEETING HELD ON NOVEMBER 14, 1985.

THIS PAGE INTENTIONALLY LEFT BLANK

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWt): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1051

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

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

11. Reasons for Restrictions, If Any: NONE

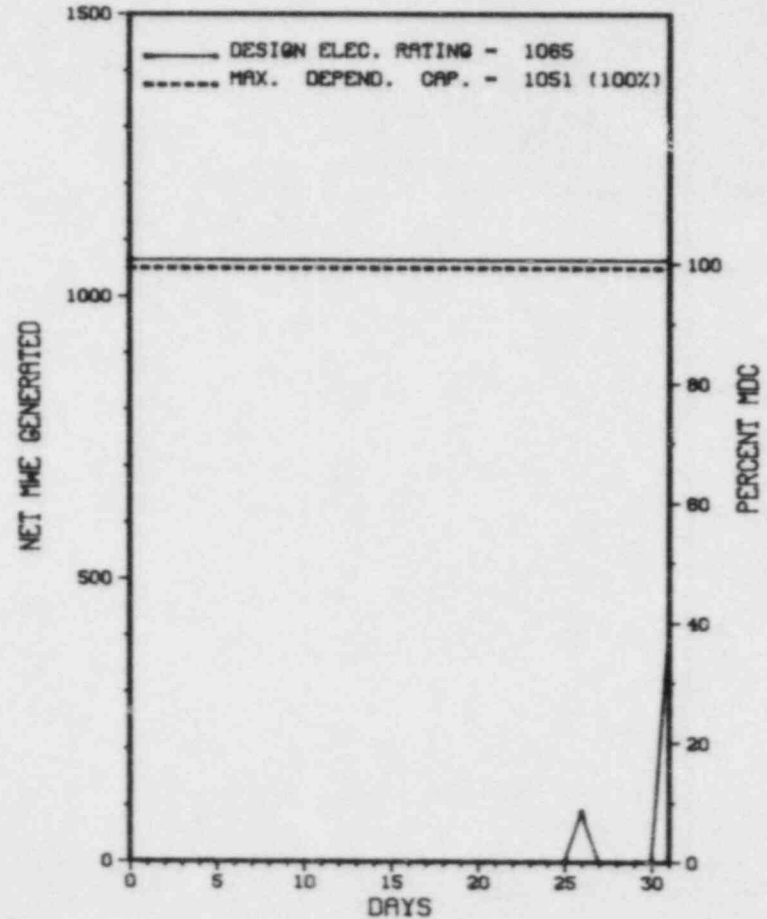
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>100,752.0</u>
13. Hours Reactor Critical	<u>86.6</u>	<u>2,910.6</u>	<u>65,193.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>29.0</u>	<u>2,572.2</u>	<u>63,128.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>71,666</u>	<u>7,846,514</u>	<u>186,266,515</u>
18. Gross Elec Ener (MWH)	<u>12,730</u>	<u>2,494,300</u>	<u>61,212,960</u>
19. Net Elec Ener (MWH)	<u>5,256</u>	<u>2,329,957</u>	<u>58,592,295</u>
20. Unit Service Factor	<u>3.9</u>	<u>29.4</u>	<u>62.7</u>
21. Unit Avail Factor	<u>3.9</u>	<u>29.4</u>	<u>62.7</u>
22. Unit Cap Factor (MDC Net)	<u>.7</u>	<u>25.3</u>	<u>55.3</u>
23. Unit Cap Factor (DER Net)	<u>.7</u>	<u>25.0</u>	<u>54.6</u>
24. Unit Forced Outage Rate	<u>79.1</u>	<u>23.4</u>	<u>13.0</u>
25. Forced Outage Hours	<u>110.0</u>	<u>783.9</u>	<u>9,412.5</u>

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

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

 X PEACH BOTTOM 2 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT
 PEACH BOTTOM 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * PEACH BOTTOM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
24	12/01/85	S	605.0	D	1	85-25	RC	XXXXXX	UNIT CONTINUED SCHEDULED OUTAGE FOR ENVIRONMENTAL QUALIFICATION MODIFICATION.
25	12/26/85	F	110.0	A	3	85-27	CH	INSTRU	WHILE TRYING TO SWAP "B" AND "C" REACTOR FEED PUMPS, THE A RFP TURBINE TRIPPED ON OVERSPEED DUE TO A CONTROL PROBLEM. THIS CAUSED A REACTOR LOW LEVEL SCRAM.

 * SUMMARY *

 PEACH BOTTOM 2 EXPERIENCED 2 SHUTDOWNS IN DECEMBER AS DESCRIBED ABOVE.

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-Cper 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		
	3 License Examination		

* PEACH BOTTOM 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...SEPTEMBER 16, 1973
DATE ELEC ENER 1ST GENER...FEBRUARY 18, 1974
DATE COMMERCIAL OPERATE....JULY 5, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. JOHNSON
LICENSING PROJ MANAGER.....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

TECH SPEC 6.11, "RADIATION PROTECTION PROGRAM," REQUIRES, IN PART, ADHERENCE TO PROCEDURES FOR PERSONNEL RADIATION PROTECTION. PROCEDURE NO. HPO/CO-4 REQUIRES, IN PART, A RADIATION WORK PERMIT CONTAINING SPECIFIC REQUIREMENTS FOR RADIOLOGICAL EXPOSURE CONTROLS. RADIATION WORK PERMIT (RWP) NO. 2-10-5008, "FIT AND WELD RHR PIPE AND VALVES," (JANUARY 1, 1985) FAILED TO PROVIDE SPECIFIC RADIOLOGICAL EXPOSURE CONTROLS FOR WORK ON THE INTERIOR OF THE EXISTING VALVE "81A" IN THE RHR SYSTEM. RWO NO. 2-10-5008 PROVIDED GENERAL RADIOLOGICAL EXPOSURE CONTROLS AND COVERED ALL CONTRACTOR FITTINGS AND WELDING OF RHR PIPE AND VALVES. ALARA REVIEW PACKAGE NO. IN-240 PROVIDED RECOMMENDED CONTROLS FOR WORK DONE EXTERIOR TO PIPE WITH WELDING EQUIPMENT. HOWEVER, ENTRY INTO EXISTING VALVE "81A" IN THE RHR SYSTEM WAS NOT COVERED IN THAT ALARA REVIEW. UNDER ALARA PROGRAM INSTRUCTION NO. 2 (API-2), "SPECIFIC PROGRAM INSTRUCTION FOR MAINTAINING OCCUPATIONAL EXPOSURE TO RADIATION AS LOW AS IS REASONABLY ACHIEVABLE (ALARA)," A JOB CODE NUMBER IS USED TO SIGNIFY THAT THE SUPPORTING ALARA REVIEW HAS BEEN CONDUCTED AND THAT THE TASK HAS BEEN APPROVED BY THE LICENSEE'S RADIOLOGICAL ENGINEERING GROUP ("ALARA ENGINEERS"). THE ASSESSMENT OF RADIOLOGICAL CONDITIONS AND THE SPECIFICATION OF RADIOLOGICAL EXPOSURE CONTROLS IS THE RESPONSIBILITY OF THE "ALARA ENGINEERS." EACH RWP IS GENERATED BY THE

ENFORCEMENT SUMMARY

OPERATING HEALTH PHYSICS GROUP FOLLOWING THE SPECIFICATION OF RADIOLOGICAL EXPOSURE CONTROLS BY THE "ALARA ENGINEERS." SINCE ENTRY INTO VALVE "81A" HAD NOT BEEN REVIEWED AND SPECIFIC RADIOLOGICAL EXPOSURE CONTROLS HAD NOT BEEN ISSUED BY THE "ALARA ENGINEERS" PRIOR TO THE ENTRIES ON FEBRUARY 10, 1985, RWP NO. 2-10-5008 FAILED TO PROVIDE SPECIFIC RADIOLOGICAL EXPOSURE CONTROLS.

10 CFR 20.201(B) REQUIRES EACH LICENSEE TO MAKE OR CAUSE TO BE MADE SUCH SURVEYS AS (1) MAY BE NECESSARY FOR THE LICENSEE TO COMPLY WITH THE REGULATIONS IN PART 20, AND (2) ARE REASONABLE UNDER THE CIRCUMSTANCES TO EVALUATE THE EXTENT OF RADIATION HAZARDS THAT MAY BE PRESENT. 10 CFR 20.201(A) DEFINES A SURVEY AS AN EVALUATION OF THE RADIATION HAZARDS INCIDENT, AMONG OTHER THINGS, TO THE PRESENCE OF RADIOACTIVE MATERIALS UNDER A SPECIFIC SET OF CONDITIONS. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO EVALUATE THE RADIATION HAZARDS INCIDENT TO THE PRESENCE OF RADIOACTIVE MATERIALS IN VALVE "81A" PRIOR TO FEBRUARY 10, 1985. EVALUATION WAS NEEDED TO COMPLY WITH 10 CFR 20.103 AND 20.202 AS SHOWN IN SUBSEQUENT DETAILS. EVALUATIONS OF THE EXTENT OF RADIATION HAZARDS WERE REASONABLE IN VIEW OF THE REPEATED ENTRIES BY CONTRACTOR PERSONNEL INTO THE VALVE BONNET OF VALVE "81A" TO COMPLETE WORK ON WELD JOINT 206 ON FEBRUARY 3, 1985, AND FEBRUARY 10, 1985. 10 CFR 20.103(A)(3) REQUIRES, IN PART, THAT THE LICENSEE USE SUITABLE MEASUREMENTS OF THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR FOR DETECTING AND EVALUATING AIRBORNE RADIOACTIVITY IN RESTRICTED AREAS. CONTRARY TO THIS REQUIREMENT, THE LICENSEE FAILED TO MAKE SUITABLE MEASUREMENTS OF THE CONCENTRATIONS OF RADIOACTIVE MATERIALS IN AIR WITHIN VALVE "81A" DURING THE ENTRIES BY WORK PARTIES ON FEBRUARY 10, 1985. A SINGLE LOW VOLUME AIR SAMPLE WAS TAKEN APPROXIMATELY 3 FEET ABOVE THE OPENING TO THE VALVE BONNET OF VALVE "81A" FROM 0810 TO 1415 ON FEBRUARY 10, 1985. NO AIR SAMPLES OF THE INTERIOR OF VALVE "81A" WERE TAKEN. THE AIR SAMPLE RECORDED AN AVERAGE AIR CONCENTRATION ABOVE THE VALVE BONNET OPENING OF 2.35 E-9 MICROCURIES PER CUBIC CENTIMETER. HOWEVER, THE AIR SAMPLE DID NOT CONSTITUTE A SUITABLE MEASUREMENT SINCE: -- IT WAS NOT REPRESENTATIVE OF THE BREATHING ZONE OF THE WELD REPAIR WORK PARTY DURING THE INSERTION OF THE TORSO AND HEAD INTO THE VALVE BONNET OPENING; AND -- IT AVERAGED AIR CONCENTRATIONS DURING PERIODS OF INACTIVITY AS WELL AS DURING GRINDING AND WELDING OPERATIONS AND THUS DID NOT RECORD PEAK CONCENTRATIONS POTENTIALLY PRESENT DURING THOSE OPERATIONS. A LOW VOLUME AIR SAMPLER WAS USED BY THE HEALTH PHYSICS TECHNICIAN DURING HIS ENTRY ON FEBRUARY 11, 1985. THAT AIR SAMPLE (RECORDED AS PART OF SURVEY NO. 100, RWP NO. 02-01-5000) SHOWED AN AIR CONCENTRATION OF 2.45 E-8 MICROCURIES PER CUBIC CENTIMETER. GAMMA ISOTOPIC ANALYSIS SHOWED 2.30 TIMES THE MAXIMUM PERMISSIBLE CONCENTRATION IN AIR IN 10 CFR 20, APPENDIX B, TABLE 1, COLUMN 1, COBALT-60 (INSOLUBLE). TECHNICAL SPECIFICATION 6.13 REQUIRES, IN PART, THAT THE DOSE RATE LEVELS IN THE AREA HAVE BEEN ESTABLISHED AND THE PERSONNEL HAVE BEEN MADE KNOWLEDGEABLE OF THEM IF AN AUDIBLE-ALARMING DOSIMETER PROVIDES PRIMARY RADIOLOGICAL EXPOSURE CONTROL DURING ENTRY INTO HIGH RADIATION AREAS. CONTRARY TO THESE REQUIREMENTS, DOSE RATES INSIDE THE VALVE BONNET OF VALVE "81A" HAD NOT BEEN ESTABLISHED PRIOR TO THE ENTRIES ON FEBRUARY 10, 1985, AND WORK PARTY PERSONNEL WERE NOT KNOWLEDGEABLE OF THE DOSE RATES PRIOR TO THEIR ENTRIES. 10 CFR 20.202(A)(1) REQUIRES, IN PART, THAT THE LICENSEE SUPPLY APPROPRIATE PERSONNEL MONITORING EQUIPMENT TO AND REQUIRE THE USE OF THE EQUIPMENT BY EACH INDIVIDUAL WHO ENTERS A RESTRICTED AREA UNDER SUCH CIRCUMSTANCES THAT HE IS LIKELY TO RECEIVE A DOSE IN ANY CALENDAR QUARTER IN EXCESS OF 25 PERCENT OF THE APPLICABLE VALUE SPECIFIED IN PARAGRAPH (A) OF 10 CFR 20.101. CONTRARY TO THIS REQUIREMENT, APPROPRIATE PERSONNEL MONITORING EQUIPMENT WAS NOT SUPPLIED AND USED DURING THE GRINDING AND WELDING OF WELD JOINT 206 ON 2/10/85: -- TWO PIPEFITTERS GROUND WELD JOINT 206 WORKING THROUGH THE VALVE BONNET OF VALVE "81A" FROM APPROX 0830 TO 1025 ON 2/10/85. DOSE RATES IN THEIR WORK AREA RANGED FROM 1200 TO 2200 MREM/HR GAMMA AND 4000 TO 15,200 MRAD/HR BETA (LICENSEE'S SURVEY NO. 87). NEITHER INDIVIDUAL WAS PROVIDED WITH EXTREMITY MONITORING EQUIPMENT FOR MONITORING POSSIBLE EXPOSURE TO THE HANDS AND SUPPLEMENTAL MONITORING EQUIPMENT FOR MONITORING POSSIBLE GAMMA EXPOSURES TO THE LENS OF THE EYES IN EXCESS OF 25% OF 10CFR20.101 DOSE LIMITS. -- A WELDER REPAIRED THE ROOT PASS OF WELD JOINT 206 WORKING FROM THE 24-INCH DIAMETER RHR DISCHARGE PIPING FROM APPROX 1145 TO 1320 ON 2/10/85. DOSE RATES IN HIS WORK AREA (SURVEY NO. 87) WERE APPARENTLY 800-1200 MREM/HR GAMMA AND 800 TO 4000 MRAD/HR BETA. THE WELDER WAS NOT PROVIDED WITH EXTREMITY MONITORING EQUIPMENT FOR MONITORING POSSIBLE EXPOSURE TO HIS LEFT HAND (UNPROTECTED BY HIS WELDER'S GLOVE) AND SUPPLEMENTAL MONITORING EQUIPMENT FOR MONITORING POSSIBLE GAMMA EXPOSURES TO THE LENS OF THE EYES IN EXCESS OF 25% OF 10CFR20.101 DOSE LIMITS. -- THE WELDER'S HELPER ASSISTED THE WELDER WORKING THROUGH THE VALVE BONNET OF VALVE "81A" FROM APPROX 1145 TO 1320 ON 2/10/85. DOSE RATES IN HIS WORK AREA WERE SIMILAR TO THE PIPEFITTERS DISCUSSED ABOVE. THE WELDER'S HELPER WAS NOT PROVIDED WITH EXTREMITY MONITORING EQUIPMENT FOR MONITORING POSSIBLE EXPOSURE TO THE HANDS AND SUPPLEMENTAL MONITORING EQUIPMENT FOR MONITORING POSSIBLE GAMMA EXPOSURES TO THE LENS OF THE EYES IN EXCESS OF 25% OF 10CFR20.101 DOSE LIMITS. TECHNICAL SPECIFICATION 6.11, "RADIATION PROTECTION PROGRAM," REQUIRES, IN PART, ADHERENCE TO PROCEDURES FOR PERSONNEL RADIATION PROTECTION. PROCEDURE HPO/CO-100 REQUIRES, IN PART, A FILTER RESPIRATOR IF REMOVABLE CONTAMINATION LEVELS ARE GREATER THAN 15 MRAD/HR. CONTRARY TO THE ABOVE ON FEBRUARY 10, 1985, AT APPROXIMATELY 0820, THE WELDING COORDINATOR INSERTED HIS HEAD AND TORSO IN VALVE "81A". REMOVABLE CONTAMINATION LEVELS UP TO 24,000 MRAD/HR PER SQUARE FOOT WERE PRESENT IN THE VALVE BONNET INTO WHICH THE WELDING COORDINATOR ENTERED. THE WELDING COORDINATOR WAS NOT WEARING ANY RESPIRATORY PROTECTION DURING THIS ENTRY. TECHNICAL SPECIFICATION 6.11 REQUIRES, IN PART,

ENFORCEMENT SUMMARY

ADHERENCE TO PROCEDURES FOR PERSONNEL RADIATION PROTECTION FOR ALL OPERATIONS INVOLVING PERSONNEL RADIATION EXPOSURE. API-2 PROVIDES SPECIFIC INSTRUCTIONS FOR IMPLEMENTING THE REQUIREMENTS OF 10CFR20.206 AND 10CFR19.12. API-2 REQUIRES, IN PART, THAT RADIOLOGICAL CONTROLS PERSONNEL ENSURE THAT WORKERS ARE AWARE OF THE RADIOLOGICAL STATUS (RADIATION, CONTAMINATION AND AIRBORNE RADIOACTIVITY LEVELS) OF THE WORK AREA. CONTRARY TO THESE REQUIREMENTS, RADIOLOGICAL CONTROLS PERSONNEL DID NOT ENSURE THAT AT LEAST 7 CONTRACT WORKERS PERFORMING INSPECTION, WELDING, GRINDING AND OTHER ACTIVITIES ON WELD JOINT 206 WERE AWARE OF THE RADIATION, CONTAMINATION AND AIRBORNE RADIOACTIVITY WITHIN THE VALVE BONNET OF VALVE "81A".
(8501 3)

10 CFR 71.5(A) REQUIRES EACH LICENSEE WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT TO COMPLY WITH THE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF THE DEPT. OF TRANSPORTATION IN 49 CFR 170 THROUGH 189. 49 CFR 172.203(D)(III) REQUIRES THE ACTIVITY CONTAINED IN THE SHIPMENT TO BE INCLUDED IN THE SHIPPING PAPERS. CONTRARY TO THE ABOVE, SHIPPING PAPERS ACCOMPANYING YOUR SHIPMENT NO. 145-85 ON JULY 7-9, 1985, INCORRECTLY LISTED THE INDIVIDUAL RADIOISOTOPIC ACTIVITIES AND THEIR TOTAL ACTIVITY. 10 CFR 71.87(I)(2) REQUIRES IN PART, THAT LEVELS OF NON-FIXED RADIOACTIVE CONTAMINATION ON THE EXTERNAL SURFACES OF EACH PACKAGE OFFERED FOR SHIPMENT AS EXCLUSIVE USE SHIPMENTS NOT EXCEED 220 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER AT ANY TIME DURING TRANSPORT. CONTRARY TO THIS REQUIREMENT, NON-FIXED RADIOACTIVE CONTAMINATION IN THE TRUNION CUP AREA OF THE FSV-1 CASK (AN EXTERNAL SURFACE OF THE SHIPPING PACKAGE) USED IN YOUR SHIPMENT NO. 169-85 TO THE LOW-LEVEL WASTE BURIAL SITE IN SOUTH CAROLINA EXCEEDED 220 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER UPON ARRIVAL ON JULY 30, 1985. NON-FIXED RADIOACTIVE CONTAMINATION WAS MEASURED TO BE 320 AND 480 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER.
(8503 4)

10 CFR 20.311(C) REQUIRES, IN PART, THAT EACH SHIPPING MANIFEST INCLUDE A CERTIFICATION BY THE WASTE GENERATOR THAT THE TRANSPORTED MATERIALS ARE PROPERLY DESCRIBED. CONTRARY TO THIS REQUIREMENT, THE SHIPPING MANIFEST ACCOMPANYING YOUR SHIPMENT NO. 145-85 ON JULY 7-9, 1985, CERTIFIED THAT THE TRANSPORTED MATERIALS WERE PROPERLY DESCRIBED WHEN THE INDIVIDUAL AND TOTAL RADIOISOTOPIC ACTIVITIES WERE INCORRECT.
(8503 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

Report Period DEC 1985

REPORTS FROM LICENSEE

* PEACH BOTTOM 2 *

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-278 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: W. M. Alden (215) 841-5022

4. Licensed Thermal Power (MWT): 3293

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

6. Design Electrical Rating (Net MWe): 1065

7. Maximum Dependable Capacity (Gross MWe): 1098

8. Maximum Dependable Capacity (Net MWe): 1035

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>96,648.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,055.7</u>	<u>68,613.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,989.3</u>	<u>66,854.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>10,796,856</u>	<u>194,996,664</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,486,130</u>	<u>63,993,670</u>
19. Net Elec Ener (MWH)	<u>-6,977</u>	<u>3,283,439</u>	<u>61,392,741</u>
20. Unit Service Factor	<u>.0</u>	<u>45.5</u>	<u>69.2</u>
21. Unit Avail Factor	<u>.0</u>	<u>45.5</u>	<u>69.2</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>36.2</u>	<u>61.4</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>35.2</u>	<u>59.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.8</u>	<u>7.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>31.5</u>	<u>5,126.6</u>

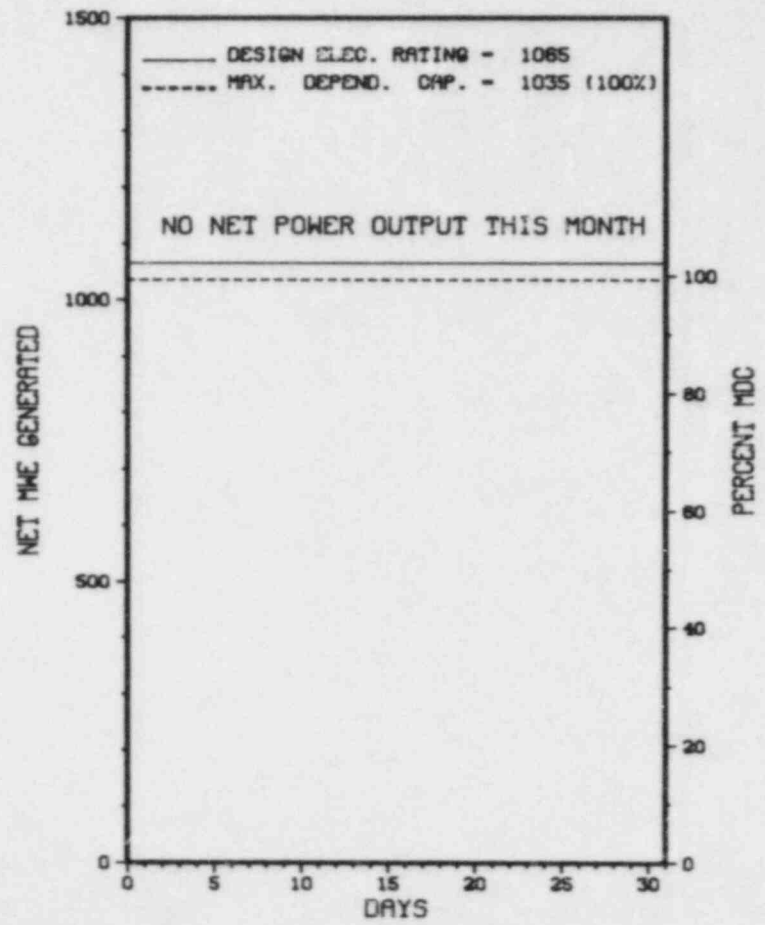
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 01/31/86

* PEACH BOTTOM 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PEACH BOTTOM 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* PEACH BOTTOM 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	07/14/85	S	744.0	C	4		RC	FUELXX	SHUTDOWN FOR SIXTH REFUELING/MAINTENANCE OUTAGE CONTINUES.

***** PEACH BOTTOM 3 REMAINS SHUT DOWN FOR REFUELING.
* 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		

* PEACH BOTTOM 3 *

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

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....YORK
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...19 MI S OF
LANCASTER, PA
TYPE OF REACTOR.....BHR
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
LICENSEE.....PHILADELPHIA ELECTRIC
CORPORATE ADDRESS.....2301 MARKET STREET
PHILADELPHIA, PENNSYLVANIA 19105
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....T. JOHNSON
LICENSING PROJ MANAGER....G. GEARS
DOCKET NUMBER.....50-278
LICENSE & DATE ISSUANCE...DPR-56, JULY 2, 1974
PUBLIC DOCUMENT ROOM.....GOVERNMENT PUBLICATIONS SECTION
STATE LIBRARY OF PENNSYLVANIA
FORUM BUILDING
COMMONWEALTH AND WALNUT STREET
HARRISBURG, PENNSYLVANIA 17105

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

INSPECTION SUMMARY

NO INSPECTION INPUT PROVIDED.

ENFORCEMENT SUMMARY

10 CFR 71.5(A) REQUIRES EACH LICENSEE WHO DELIVERS LICENSED MATERIAL TO A CARRIER FOR TRANSPORT TO COMPLY WITH THE REQUIREMENTS OF THE REGULATIONS APPROPRIATE TO THE MODE OF TRANSPORT OF THE DEPT. OF TRANSPORTATION IN 49 CFR 170 THROUGH 189. 49 CFR 172.203(D)(III) REQUIRES THE ACTIVITY CONTAINED IN THE SHIPMENT TO BE INCLUDED IN THE SHIPPING PAPERS. CONTRARY TO THE ABOVE, SHIPPING PAPERS ACCOMPANYING YOUR SHIPMENT NO. 145-85 ON JULY 7-9, 1985, INCORRECTLY LISTED THE INDIVIDUAL RADIOISOTOPIC ACTIVITIES AND THEIR TOTAL ACTIVITY. 10 CFR 71.87(I)(2) REQUIRES IN PART, THAT LEVELS OF NON-FIXED RADIOACTIVE CONTAMINATION ON THE EXTERNAL SURFACES OF EACH PACKAGE OFFERED FOR SHIPMENT AS EXCLUSIVE USE SHIPMENTS NOT EXCEED 220 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER AT ANY TIME DURING TRANSPORT. CONTRARY TO THIS REQUIREMENT, NON-FIXED RADIOACTIVE CONTAMINATION IN THE TRUNION CUP AREA OF THE FSV-1 CASK (AN EXTERNAL SURFACE OF THE SHIPPING PACKAGE) USED IN YOUR SHIPMENT NO. 169-85 TO THE LOW-LEVEL WASTE BURIAL SITE IN SOUTH CAROLINA EXCEEDED 220 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER UPON ARRIVAL ON JULY 30, 1985. NON-FIXED RADIOACTIVE CONTAMINATION WAS MEASURED TO BE 320 AND 480 DISINTEGRATIONS PER MINUTE PER SQUARE CENTIMETER. (8502 4)

Report Period DEC 1985

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

* PEACH BOTTOM 3 *

ENFORCEMENT SUMMARY

10 CFR 20.311(C) REQUIRES, IN PART, THAT EACH SHIPPING MANIFEST INCLUDE A CERTIFICATION BY THE WASTE GENERATOR THAT THE TRANSPORTED MATERIALS ARE PROPERLY DESCRIBED. CONTRARY TO THIS REQUIREMENT, THE SHIPPING MANIFEST ACCOMPANYING YOUR SHIPMENT NO. 145-85 ON JULY 7-9, 1985, CERTIFIED THAT THE TRANSPORTED MATERIALS WERE PROPERLY DESCRIBED WHEN THE INDIVIDUAL AND TOTAL RADIOISOTOPIC ACTIVITIES WERE INCORRECT.
(8502 5)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

NO INPUT PROVIDED.

=====

1. Docket: 50-293 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: P. HAMILTON (617) 746-7900

4. Licensed Thermal Power (Mwt): 1998

5. Nameplate Rating (Gross MWe): 780 X 0.87 = 678

6. Design Electrical Rating (Net MWe): 655

7. Maximum Dependable Capacity (Gross MWe): 690

8. Maximum Dependable Capacity (Net MWe): 670

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>114,504.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,159.0</u>	<u>78,063.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,014.8</u>	<u>75,570.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,477,968</u>	<u>14,953,656</u>	<u>132,085,632</u>
18. Gross Elec Ener (MWH)	<u>512,860</u>	<u>5,144,390</u>	<u>44,376,604</u>
19. Net Elec Ener (MWH)	<u>493,771</u>	<u>4,950,971</u>	<u>42,647,898</u>
20. Unit Service Factor	<u>100.0</u>	<u>91.5</u>	<u>66.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>91.5</u>	<u>66.0</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>84.6</u>	<u>55.6</u>
23. Unit Cap Factor (DER Net)	<u>101.3</u>	<u>86.3</u>	<u>56.9</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>8.1</u>	<u>9.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>701.7</u>	<u>7,544.2</u>

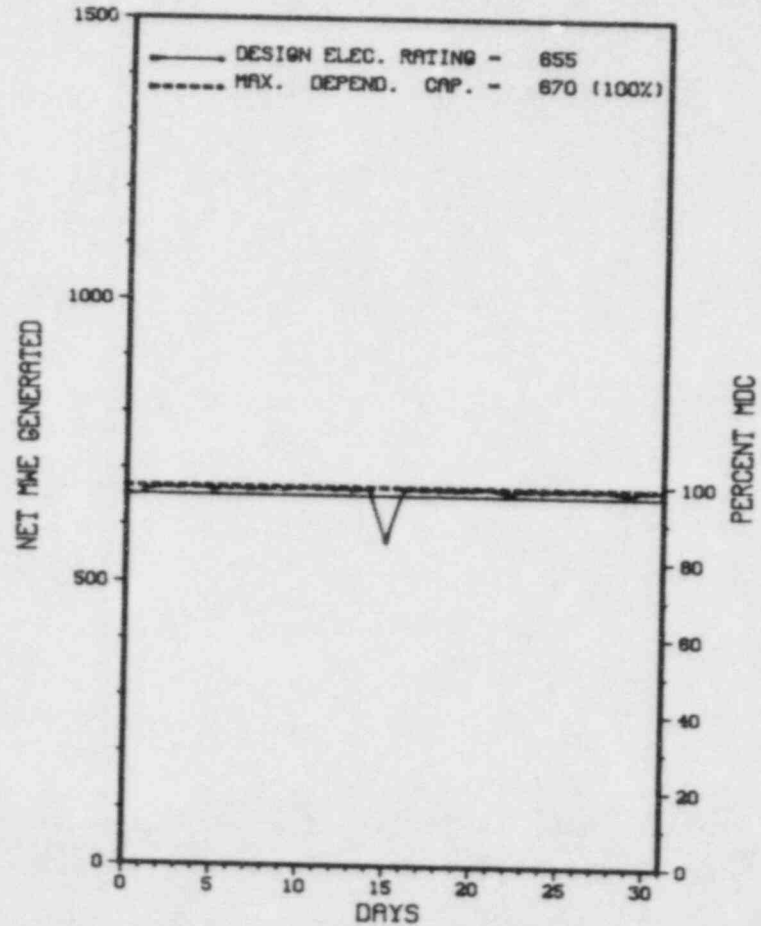
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* P I L G R I M 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PILGRIM 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* PILGRIM 1 *

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

NONE

* SUMMARY *

PILGRIM 1 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.

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

* PILGRIM 1 *

FACILITY DATA

Report Period DEC 1985

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
LICENSE.....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.....M. MCBRIDE
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

CONTRARY TO TECHNICAL SPECIFICATION TABLES 3.1.1 AND 3.2.A, THE TRIP LEVEL SETTINGS FOR THE "B" AND "C" MAIN STEAM LINE HIGH RADIATION MONITORS WERE NOT MAINTAINED LESS THAN OR EQUAL TO SEVEN TIMES NORMAL FULL POWER BACKGROUND WHILE THE REACTOR WAS AT POWER. CONTRARY TO 10 CFR 50 APPENDIX B, CRITERION XVI, "CORRECTIVE ACTIONS," A CONDITION ADVERSE TO QUALITY WAS NOT PROMPTLY CORRECTED. SPECIFICALLY ACTIONS WERE NOT TAKEN TO ENSURE THAT LICENSED REACTOR OPERATORS OVERTIME WAS PROPERLY AUTHORIZED BY THE PLANT MANAGER IN ACCORDANCE WITH STATION PROCEDURES FOLLOWING THE IDENTIFICATION OF PROBLEMS IN THIS AREA. AS A RESULT, LICENSED OPERATORS WORKED MORE THAN 24 HOURS IN A 48 HOUR PERIOD OR MORE THAN 72 HOURS IN A SEVEN-DAY PERIOD ON 35 OCCASIONS WITHOUT AUTHORIZATION BY THE PLANT MANAGER DURING THE PERIOD JUNE 15, 1985 THROUGH SEPTEMBER 14, 1985. FAILURE TO EVALUATE OPERATOR FATIGUE AND PROPERLY AUTHORIZE OPERATOR OVERTIME IS A CONDITION ADVERSE TO QUALITY. REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE PROCEDURE IS INADEQUATE IN THAT IT DOES NOT PROVIDE SUFFICIENT GUIDANCE CONCERNING IDENTIFYING AND QUANTIFYING PRIMARY TO CONTAINMENT ATMOSPHERE LEAKAGE.

(8502 4)

1. Docket: 50-266 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. KRAUSE (414) 277-2001

4. Licensed Thermal Power (MWh): 1518

5. Nameplate Rating (Gross MWe): 582 X 0.9 = 524

6. Design Electrical Rating (Net MWe): 497

7. Maximum Dependable Capacity (Gross MWe): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>137,840.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>6,974.4</u>	<u>107,473.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>4.7</u>	<u>634.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,919.3</u>	<u>104,906.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1.5</u>	<u>804.0</u>
17. Gross Therm Ener (MWH)	<u>1,119,866</u>	<u>10,218,967</u>	<u>143,167,944</u>
18. Gross Elec Ener (MWH)	<u>383,720</u>	<u>3,506,440</u>	<u>48,151,680</u>
19. Net Elec Ener (MWH)	<u>368,317</u>	<u>3,354,176</u>	<u>45,831,266</u>
20. Unit Service Factor	<u>100.0</u>	<u>79.0</u>	<u>79.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>79.0</u>	<u>79.6</u>
22. Unit Cap Factor (MDC Net)	<u>102.1</u>	<u>78.9</u>	<u>70.6*</u>
23. Unit Cap Factor (DER Net)	<u>99.6</u>	<u>77.0</u>	<u>69.4</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.1</u>	<u>2.4</u>
25. Forced Outage Hours	<u>.0</u>	<u>7.1</u>	<u>2,413.4</u>

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

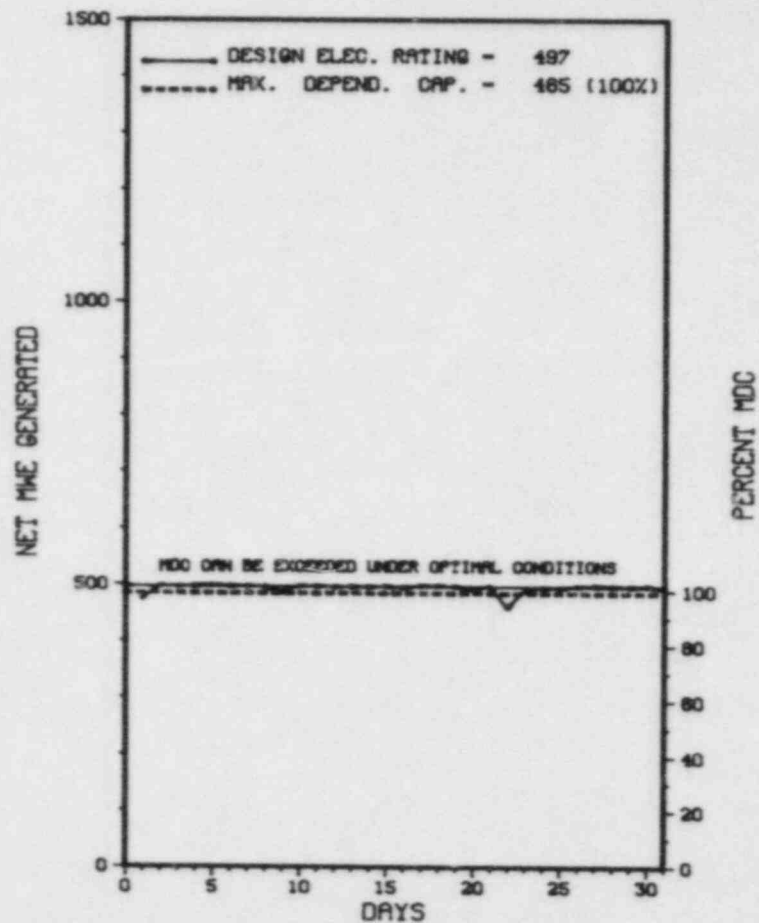
REFUELING OUTAGE: APRIL 4, 1986 7 WEEKS.

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

* P O I N T B E A C H 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

P O I N T B E A C H 1



DECEMBER 1985

* Item calculated with a Weighted Average

PAGE 2-260

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* POINT BEACH 1 *

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

NONE

* SUMMARY *

POINT BEACH 1 REPORTED NO SHUTDOWNS OR POWER REDUCTIONS IN DECEMBER.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	~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 DEC 1985

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 OCTOBER 1 THROUGH NOVEMBER 30, (85019): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REFUELING ACTIVITIES; SURVEILLANCE - REFUELING; SPENT FUEL POOL ACTIVITIES; MAINTENANCE PROGRAM IMPLEMENTATION; ORGANIZATION AND ADMINISTRATION; IE BULLETIN FOLLOWUP; AND LICENSEE EVENT REPORT FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 361 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 56 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 16-18, 29-30 AND NOVEMBER 19-21, (85020): ROUTINE, UNANNOUNCED SAFETY INSPECTION TO REVIEW INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATIONS (NDE), PERSONNEL CERTIFICATIONS, AND SPLIT PIN REPLACEMENT. THE INSPECTION INVOLVED A TOTAL OF 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* POINT BEACH 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 9 -13, 1985

INSPECTION REPORT NO: 85023

 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: 50-301 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: C. M. 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): 509

8. Maximum Dependable Capacity (Net MWe): 485

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

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

11. Reasons for Restrictions, If Any: _____
NONE

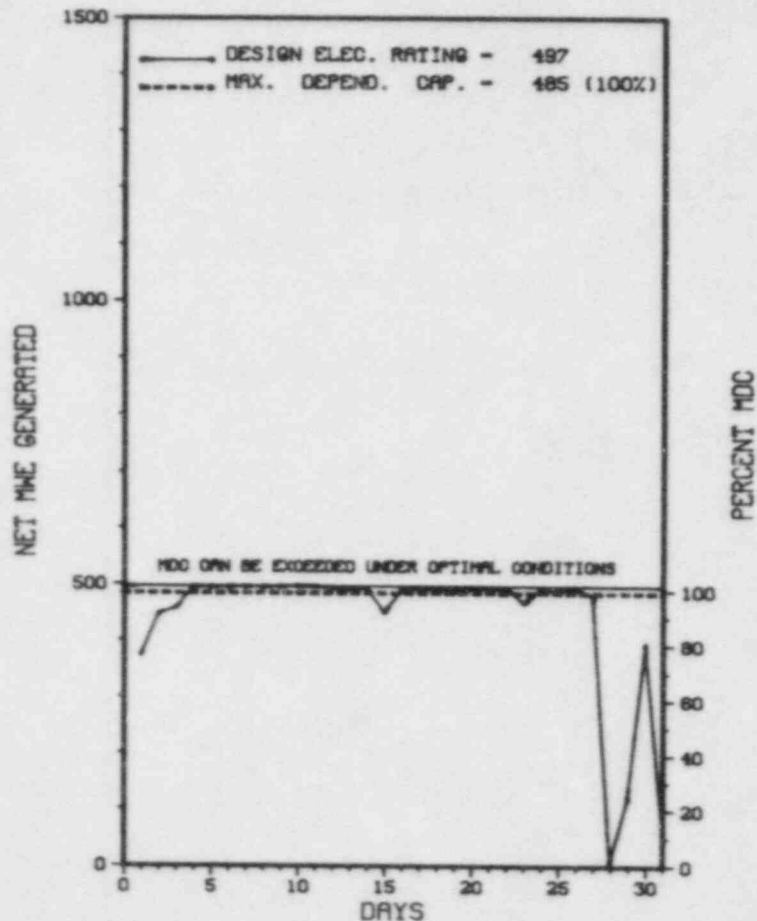
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>117,625.0</u>
13. Hours Reactor Critical	<u>730.2</u>	<u>7,576.2</u>	<u>103,548.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.3</u>	<u>.3</u>	<u>207.4</u>
15. Hrs Generator On-Line	<u>696.3</u>	<u>7,491.3</u>	<u>101,800.7</u>
16. Unit Reserve Shtdwn Hrs	<u>1.2</u>	<u>36.2</u>	<u>234.3</u>
17. Gross Therm Ener (MWH)	<u>1,033,331</u>	<u>11,126,898</u>	<u>142,879,870</u>
18. Gross Elec Ener (MWH)	<u>343,320</u>	<u>3,775,710</u>	<u>48,415,850</u>
19. Net Elec Ener (MWH)	<u>327,779</u>	<u>3,603,081</u>	<u>46,120,719</u>
20. Unit Service Factor	<u>93.6</u>	<u>85.5</u>	<u>86.5</u>
21. Unit Avail Factor	<u>93.8</u>	<u>85.9</u>	<u>86.7</u>
22. Unit Cap Factor (MDC Net)	<u>90.8</u>	<u>84.8</u>	<u>79.9*</u>
23. Unit Cap Factor (DER Net)	<u>88.6</u>	<u>82.8</u>	<u>78.9</u>
24. Unit Forced Outage Rate	<u>6.4</u>	<u>.6</u>	<u>1.3</u>
25. Forced Outage Hours	<u>47.7</u>	<u>47.7</u>	<u>744.9</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



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * POINT BEACH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	12/28/85	F	28.1	B	3		WB	ZZZZZ	UNIT SHUT DOWN TO REPAIR A WELD CRACK IN THE COMPONENT COOLING WATER SUPPLY LINE TO THE "A" REACTOR COOLANT PUMP LUBE OIL COOLER.
4	12/31/85	F	19.6	A	3	85-005	EB	ZZZZZ	PHASE-TO-GROUND FAULT IN THE A0 POWER SURGE ARRESTER OF BUS SECTION 4 RESULTING IN A UNIT TRIP.

 * SUMMARY *

 POINT BEACH 2 INCURRED 2 OUTAGES IN DECEMBER AS DESCRIBED ABOVE.

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

* POINT BEACH 2 *

FACILITY DATA

Report Period DEC 1985

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 OCTOBER 1 THROUGH NOVEMBER 30, (85018): ROUTINE, UNANNOUNCED INSPECTION BY RESIDENT INSPECTORS OF OPERATIONAL SAFETY; MAINTENANCE; SURVEILLANCE; REFUELING ACTIVITIES; SURVEILLANCE - REFUELING; SPENT FUEL POOL ACTIVITIES; MAINTENANCE PROGRAM IMPLEMENTATION; ORGANIZATION AND ADMINISTRATION; IE BULLETIN FOLLOWUP; AND LICENSEE EVENT REPORT FOLLOWUP. THE INSPECTION INVOLVED A TOTAL OF 361 INSPECTOR-HOURS ONSITE BY TWO INSPECTORS INCLUDING 56 INSPECTOR-HOURS ON OFF-SHIFTS. NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON OCTOBER 16-18, 29-30 AND NOVEMBER 19-21, (85019): ROUTINE, UNANNOUNCED SAFETY INSPECTION TO REVIEW INSERVICE INSPECTION (ISI) PROCEDURES, WORK ACTIVITIES, NONDESTRUCTIVE EXAMINATIONS (NDE), PERSONNEL CERTIFICATIONS, AND SPLIT PIN REPLACEMENT. THE INSPECTION INVOLVED A TOTAL OF 41 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: DECEMBER 9 - 13, 1985

INSPECTION REPORT NO: 85022

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
-----
85-02    10/22/85   12/18/85   CONTAINMENT ISOLATION VALVE LEAKAGE IN EXCESS OF TECHNICAL SPECIFICATIONS
=====
    
```

1. Docket: 50-282 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (MWh): 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>744.0</u>	<u>8,760.0</u>	<u>105,576.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,363.2</u>	<u>87,357.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>5,571.1</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,334.6</u>	<u>86,002.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,217,798</u>	<u>11,769,355</u>	<u>135,368,613</u>
18. Gross Elec Ener (MWH)	<u>411,860</u>	<u>3,909,170</u>	<u>44,201,270</u>
19. Net Elec Ener (MWH)	<u>391,723</u>	<u>3,677,016</u>	<u>41,427,834</u>
20. Unit Service Factor	<u>100.0</u>	<u>83.7</u>	<u>81.5</u>
21. Unit Avail Factor	<u>100.0</u>	<u>83.7</u>	<u>81.5</u>
22. Unit Cap Factor (MDC Net)	<u>104.7</u>	<u>83.4</u>	<u>78.0</u>
23. Unit Cap Factor (DER Net)	<u>99.4</u>	<u>79.2</u>	<u>74.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.6</u>	<u>7.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>43.6</u>	<u>3,390.7</u>

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

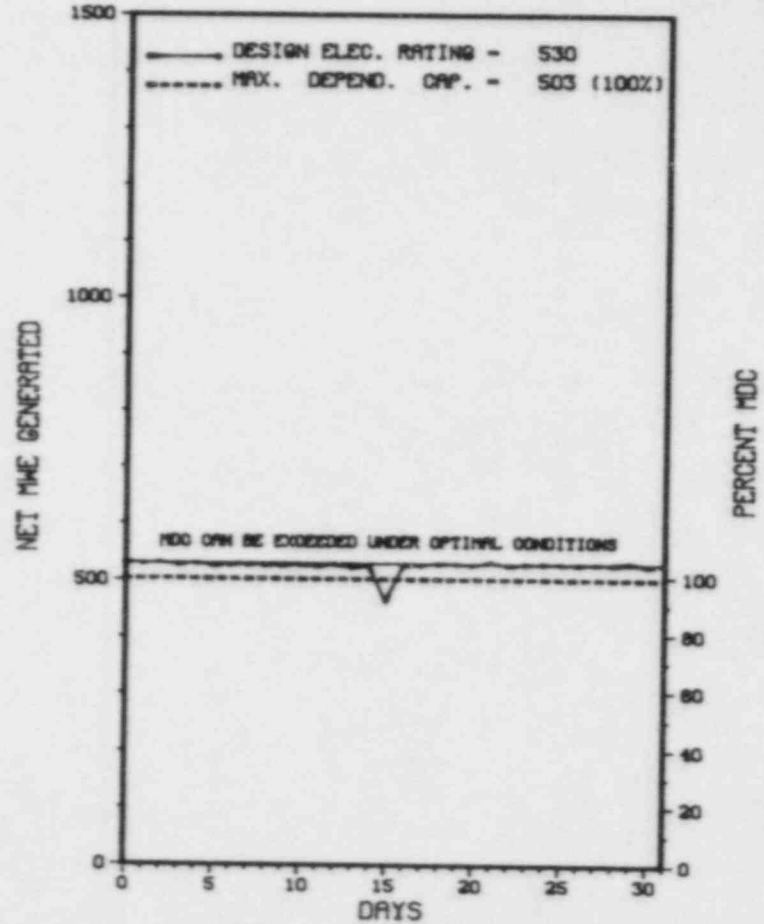
REFUELING OUTAGE: MARCH 5, 1986.

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

* PRAIRIE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
	12/15/85	S	0.0	B	5	N/A	TB	TURBIN	TURBINE VALVES TEST.

***** PRAIRIE ISLAND 1 OPERATED ROUTINELY IN DECEMBER WITH NO SHUTDOWNS REPORTED.
* SUMMARY *

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

* PRAIRIE ISLAND 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....MINNESOTA
COUNTY.....GOODHUE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...28 MI SE OF
MINNEAPOLIS, MINN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 1, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 4, 1973
DATE COMMERCIAL OPERATE...DECEMBER 16, 1973
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-CONTINENT AREA
RELIABILITY COORDINATION
AGREEMENT

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-282
LICENSE & DATE ISSUANCE...DPR-42, APRIL 5, 1974
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 NOVEMBER 18-22, (85021): SPECIAL, ANNOUNCED INSPECTION TO REVIEW THE UNIT 2 CYCLE 10 RELOAD SAFETY EVALUATION AND UNIT 2 CYCLE 10 CORE POWER DISTRIBUTION LIMITS. THE INSPECTION ALSO INCLUDED A REVIEW OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period DEC 1985

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

* PRAIRIE ISLAND 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 7 - 10, 1986

INSPECTION REPORT NO: 86002

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: 50-306 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: DALE DUGSTAD (612) 388-1121

4. Licensed Thermal Power (Mwt): 1650

5. Nameplate Rating (Gross MWe): 659 X 0.9 = 593

6. Design Electrical Rating (Net MWe): 530

7. Maximum Dependable Capacity (Gross MWe): 531

8. Maximum Dependable Capacity (Net MWe): 500

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

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

11. Reasons for Restrictions, If Any: _____
NONE

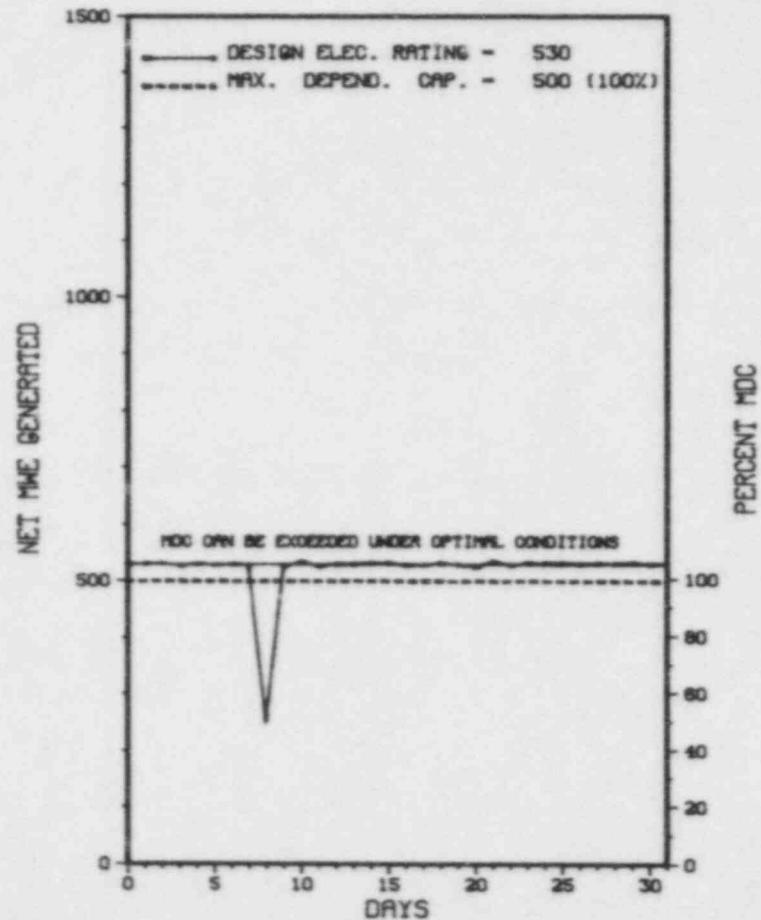
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>96,694.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,408.6</u>	<u>83,502.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,516.1</u>
15. Hrs Generator On-Line	<u>735.0</u>	<u>7,378.2</u>	<u>82,502.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,204,417</u>	<u>11,512,159</u>	<u>129,672,391</u>
18. Gross Elec Ener (MWH)	<u>407,380</u>	<u>3,822,540</u>	<u>42,059,440</u>
19. Net Elec Ener (MWH)	<u>388,164</u>	<u>3,608,478</u>	<u>39,489,317</u>
20. Unit Service Factor	<u>98.8</u>	<u>84.2</u>	<u>85.3</u>
21. Unit Avail Factor	<u>98.8</u>	<u>84.2</u>	<u>85.3</u>
22. Unit Cap Factor (MDC Net)	<u>104.3</u>	<u>82.4</u>	<u>81.7</u>
23. Unit Cap Factor (DER Net)	<u>98.4</u>	<u>77.7</u>	<u>77.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>3.7</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): <u>NONE</u>			

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

 X PRAIRIE ISLAND 2 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

PRAIRIE ISLAND 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* PRAIRIE ISLAND 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/08/85	S	9.0	B	2		TB	TURBIN	THE UNIT WAS OFF-LINE TO BALANCE THE LP 2 ROTOR.
2	12/08/85	S	0.0	B	5		TB	TURBIN	TURBINE VALVES TEST.

* SUMMARY *

PRAIRIE ISLAND 2 OPERATED ROUTINELY IN DECEMBER.

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

* PRAIRIE ISLAND 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....J. HARD
LICENSING PROJ MANAGER.....D. DIANNI
DOCKET NUMBER.....50-306
LICENSE & DATE ISSUANCE...DPR-60, OCTOBER 29, 1974
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 NOVEMBER 18-22, (85021): SPECIAL, ANNOUNCED INSPECTION TO REVIEW THE UNIT 2 CYCLE 10 RELOAD SAFETY EVALUATION AND UNIT 2 CYCLE 10 CORE POWER DISTRIBUTION LIMITS. THE INSPECTION ALSO INCLUDED A REVIEW OF LICENSEE ACTIONS ON PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 26 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

Report Period DEC 1985

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

* PRAIRIE ISLAND 2 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

THE UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 7 - 10, 1986

INSPECTION REPORT NO: 86002

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: 50-254 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

4. Licensed Thermal Power (MWT): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>119,568.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,339.0</u>	<u>96,661.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,421.9</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,244.2</u>	<u>93,278.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>909.2</u>
17. Gross Therm Ener (MWH)	<u>1,733,550</u>	<u>19,218,767</u>	<u>194,965,157</u>
18. Gross Elec Ener (MWH)	<u>578,930</u>	<u>6,343,924</u>	<u>63,121,487</u>
19. Net Elec Ener (MWH)	<u>555,014</u>	<u>6,072,319</u>	<u>59,027,314</u>
20. Unit Service Factor	<u>100.0</u>	<u>94.1</u>	<u>78.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>94.1</u>	<u>78.8</u>
22. Unit Cap Factor (MDC Net)	<u>97.0</u>	<u>90.1</u>	<u>64.2</u>
23. Unit Cap Factor (DER Net)	<u>94.5</u>	<u>87.9</u>	<u>62.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>5.6</u>
25. Forced Outage Hours	<u>.0</u>	<u>325.8</u>	<u>3,181.6</u>

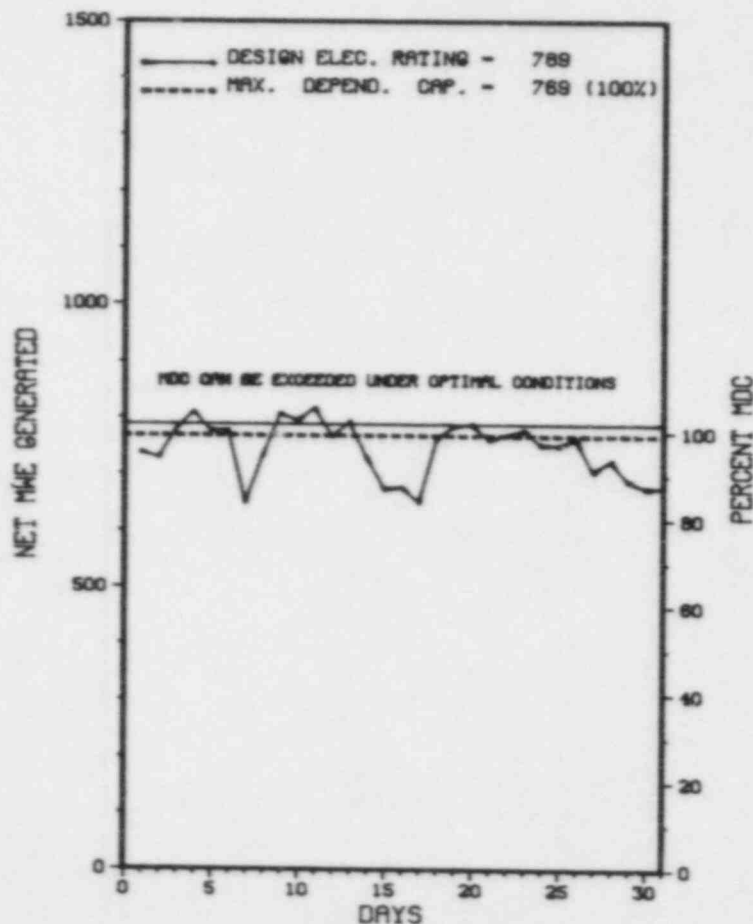
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* QUAD CITIES 1 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

AVERAGE DAILY POWER LEVEL (MWe) PLOT

QUAD CITIES 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-64	12/06/85	S	0.0	H	5		HH	PUMPXX	REDUCED LOAD TO 750 MWE TO SWITCH CONDENSATE PUMPS.
85-65	12/06/85	S	0.0	H	5		RC	CONROD	REDUCED LOAD TO 640 MWE FOR CONTROL ROD PATTERN ADJUSTMENT.
85-66	12/14/85	F	0.0	H	5		CH	HTEXCH	REDUCED LOAD TO 740 MWE DUE TO 1D1 FEEDWATER HEATER PROBLEMS.
85-67	12/14/85	S	0.0	H	5		RC	CONROD	REDUCED LOAD TO 650 MWE FOR CONTROL ROD PATTERN ADJUSTMENT.
85-68	12/16/85	F	0.0	H	5		CH	HTEXCH	REDUCED LOAD TO 610 MWE DUE TO FEEDWATER HEATER TRIP.
85-69	12/21/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 760 MWE FOR TURBINE TESTS.
85-70	12/27/85	F	0.0	H	5		XX	RECOMB	REDUCED LOAD TO 700 MWE DUE TO OFF GAS RECOMBINATION OUTSIDE THE RECOMBINER.
85-71	12/29/85	F	0.0	H	5		XX	RECOMB	REDUCED LOAD TO 700 MWE DUE TO OFF GAS RECOMBINATION OUTSIDE THE RECOMBINER.

 * QUAD CITIES 1 OPERATED ROUTINELY IN DECEMBER.
 * 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)

* QUAD CITIES 1 *

FACILITY DATA

Report Period DEC 1985

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

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period DEC 1985

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

* QUAD CITIES 1 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

SHUT DOWN 1/6/86 FOR 12-WEEK REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: DECEMBER 7 - JANUARY 24, 1986

INSPECTION REPORT NO: 86001

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
85-18	11/20/85	12/11/85	FAILURE TO MAINTAIN SEPARATION BETWEEN DIVISION I & II AND NO WATER DAMAGE PROTECTION ON BUSES 13, 14, 23 AND 24
85-19	11/25/85	12/23/85	COMPLETION OF TECHNICAL SPECIFICATION REQUIRED SHUTDOWN DUE TO INOPERABLE DIESEL GENERATOR AND RHR SERVICE WATER PUMP
85-21	12/13/85	12/23/85	UNIT 1 RCIC INOP DUE TO FAILED FUSE IN CONTROLLER

=====

1. Docket: 50-265 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: CAROL KRONICH (309) 654-2241 X193

4. Licensed Thermal Power (MWt): 2511

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

6. Design Electrical Rating (Net MWe): 789

7. Maximum Dependable Capacity (Gross MWe): 813

8. Maximum Dependable Capacity (Net MWe): 769

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>118,678.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>6,361.8</u>	<u>91,268.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,985.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,248.4</u>	<u>88,297.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>702.9</u>
17. Gross Therm Ener (MWH)	<u>1,812,441</u>	<u>14,589,956</u>	<u>186,109,023</u>
18. Gross Elec Ener (MWH)	<u>596,158</u>	<u>4,763,383</u>	<u>59,416,772</u>
19. Net Elec Ener (MWH)	<u>572,136</u>	<u>4,556,866</u>	<u>55,875,665</u>
20. Unit Service Factor	<u>100.0</u>	<u>71.3</u>	<u>74.4</u>
21. Unit Avail Factor	<u>100.0</u>	<u>71.3</u>	<u>75.0</u>
22. Unit Cap Factor (MDC Net)	<u>100.0</u>	<u>67.6</u>	<u>61.2</u>
23. Unit Cap Factor (DER Net)	<u>97.5</u>	<u>65.9</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.0</u>	<u>3.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>191.5</u>	<u>3,818.2</u>

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

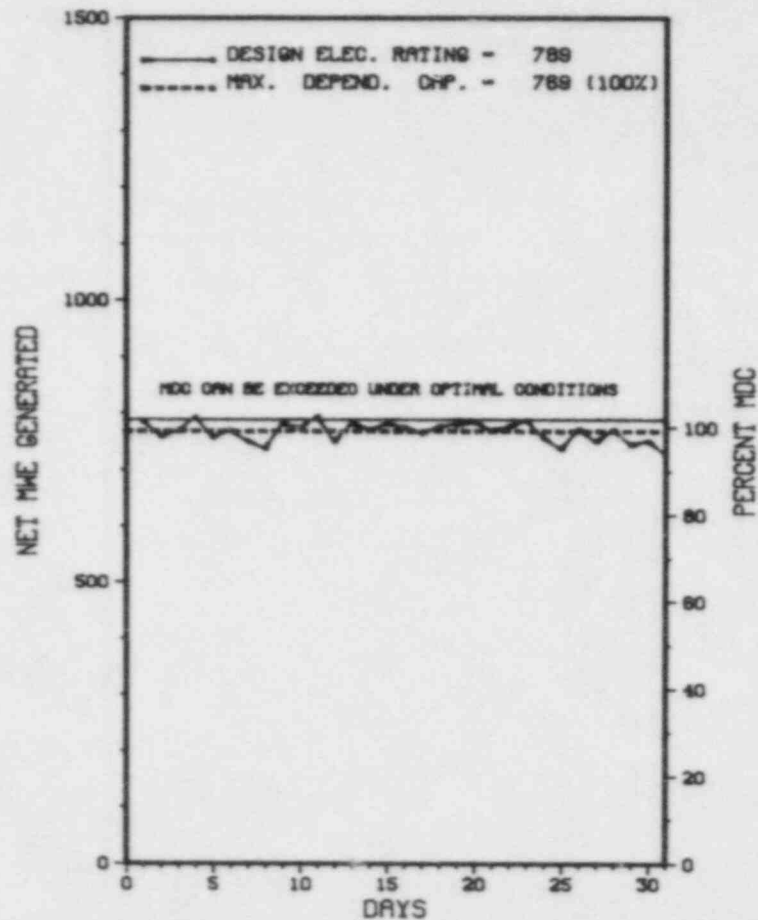
NONE

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



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * QUAD CITIES 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-51	12/15/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 750 MWE FOR TURBINE SURVEILLANCES.
85-52	12/21/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 760 MWE FOR TURBINE SURVEILLANCES.
85-53	12/28/85	S	0.0	B	5		HA	TURBIN	REDUCED LOAD TO 700 MWE FOR TURBINE SURVEILLANCES.

***** QUAD CITIES 2 OPERATED ROUTINELY IN DECEMBER.
 * 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
	F-Admin	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	H-Other		
	E-Operator Training		
	& License Examination		

* QUAD CITIES 2 *

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

Report Period DEC 1985

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

NONE

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

Report Period DEC 1985

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

* QUAD CITIES 2 *

OTHER ITEMS

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

UNIT IS OPERATING NORMALLY.

LAST IE SITE INSPECTION DATE: JANUARY 16 - 23, 1986

INSPECTION REPORT NO: 86001

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: 50-312 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>93,865.0</u>
13. Hours Reactor Critical	<u>408.0</u>	<u>2,874.6</u>	<u>52,565.0</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>495.5</u>	<u>10,647.7</u>
15. Hrs Generator On-Line	<u>384.2</u>	<u>2,700.3</u>	<u>50,363.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>1,210.2</u>
17. Gross Therm Ener (MWH)	<u>948,662</u>	<u>6,255,018</u>	<u>124,228,535</u>
18. Gross Elec Ener (MWH)	<u>318,261</u>	<u>2,091,006</u>	<u>41,528,149</u>
19. Net Elec Ener (MWH)	<u>289,607</u>	<u>1,936,236</u>	<u>39,078,111</u>
20. Unit Service Factor	<u>51.6</u>	<u>30.8</u>	<u>53.7</u>
21. Unit Avail Factor	<u>51.6</u>	<u>30.8</u>	<u>54.9</u>
22. Unit Cap Factor (MDC Net)	<u>44.6</u>	<u>25.3</u>	<u>47.7</u>
23. Unit Cap Factor (DER Net)	<u>42.4</u>	<u>24.1</u>	<u>45.4</u>
24. Unit Forced Outage Rate	<u>48.4</u>	<u>32.7</u>	<u>29.9</u>
25. Forced Outage Hours	<u>359.8</u>	<u>1,312.8</u>	<u>21,385.5</u>

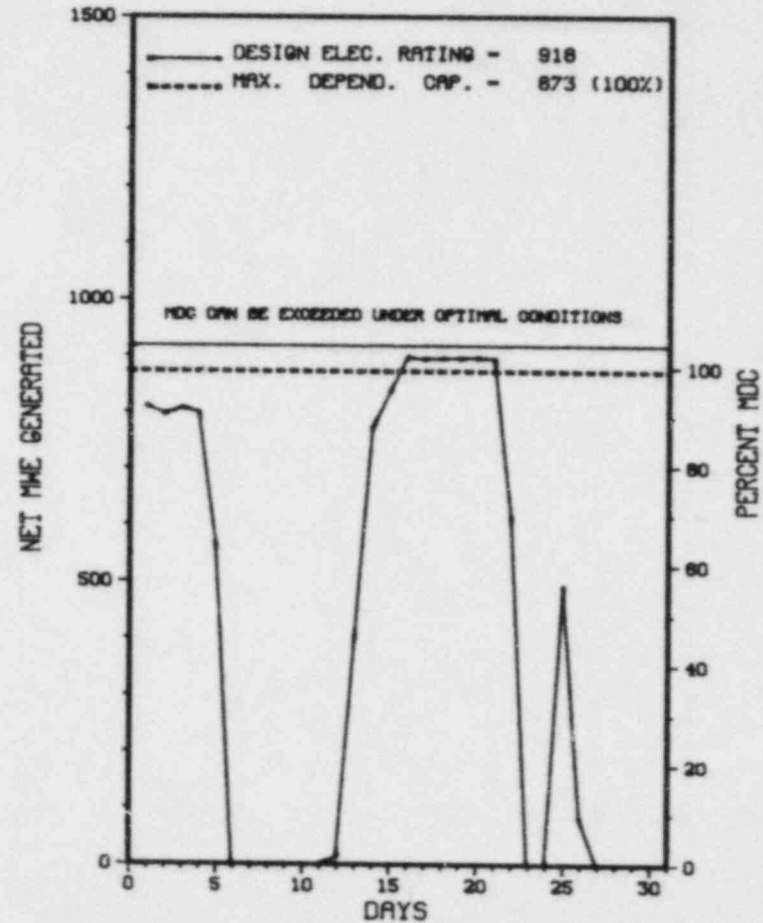
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 02/28/86

* RANCHO SECO 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

RANCHO SECO 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * RANCHO SECO 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	12/05/85	F	167.1	G	3	85-23	ZZ	ZZZZZZ	REACTOR TRIPPED ON HIGH PRESSURE RESULTING FROM FW UNDERFEED. ICS MODULES EXAMINED AND REFURBISHED.
8	12/22/85	F	53.0	A	1	85-24	CB	VALVEX	REACTOR SHUTDOWN WHEN LEAK FROM SAMPLE ISOLATION VALVE, SFV-70001 WAS DETECTED. LEAKAGE WAS POST PACKING GLAND, GLAND REPAIRED.
9	12/26/85	F	139.7	A	3	85-25	CB	INSTRU	REACTOR TRIP ON HIGH PRESSURE. TOTAL LOSS OF ICS POWER. CORRECTIVE ACTION STILL UNDER INVESTIGATION.

 * SUMMARY *

 RANCHO SECO 1 INCURRED 3 OUTAGES IN DECEMBER AS DESCRIBED ABOVE.

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

* RANCHO SECO 1 *

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

Report Period DEC 1985

FACILITY DESCRIPTION

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

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....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 MAY 20-24, 1985 (REPORT NO. 50-312/85-14) HEADQUARTERS INSPECTION REPORT; TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON OCTOBER 24 - NOVEMBER 22, 1985 (REPORT NO. 50-312/85-31) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION BY A REGIONALLY BASED INSPECTOR TO FOLLOW UP PREVIOUS INSPECTION OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 36 INSPECTOR-HOURS ONSITE BY ONE REGIONALLY BASED NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON DECEMBER 17-26, 1985 (REPORT NO. 50-312/85-32) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 4 - DECEMBER 22, 1985 (REPORT NO. 50-312/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 5-6, 1985 (REPORT NO. 50-312/85-35) AREAS INSPECTED: ANNOUNCED INSPECTION OF A TRAINING DRILL FOR PUBLIC INFORMATION OFFICERS (PIOs) AND FOLLOWUP INSPECTION OF THE METEOROLOGY PROGRAM. DURING THIS INSPECTION, TWO INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 14 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

1. Docket: 50-261 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: ANITA 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>744.0</u>	<u>8,760.0</u>	<u>129,990.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,859.8</u>	<u>92,056.6</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>873.4</u>	<u>2,655.6</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,702.0</u>	<u>89,767.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.2</u>
17. Gross Therm Ener (MWH)	<u>1,633,042</u>	<u>16,616,733</u>	<u>179,491,913</u>
18. Gross Elec Ener (MWH)	<u>550,979</u>	<u>5,514,615</u>	<u>57,859,491</u>
19. Net Elec Ener (MWH)	<u>525,788</u>	<u>5,239,913</u>	<u>54,649,574</u>
20. Unit Service Factor	<u>100.0</u>	<u>87.9</u>	<u>69.1</u>
21. Unit Avail Factor	<u>100.0</u>	<u>87.9</u>	<u>69.1</u>
22. Unit Cap Factor (MDC Net)	<u>106.3</u>	<u>89.9</u>	<u>63.2</u>
23. Unit Cap Factor (DER Net)	<u>101.0</u>	<u>85.5</u>	<u>60.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>9.5</u>	<u>14.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>811.5</u>	<u>9,045.0</u>

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

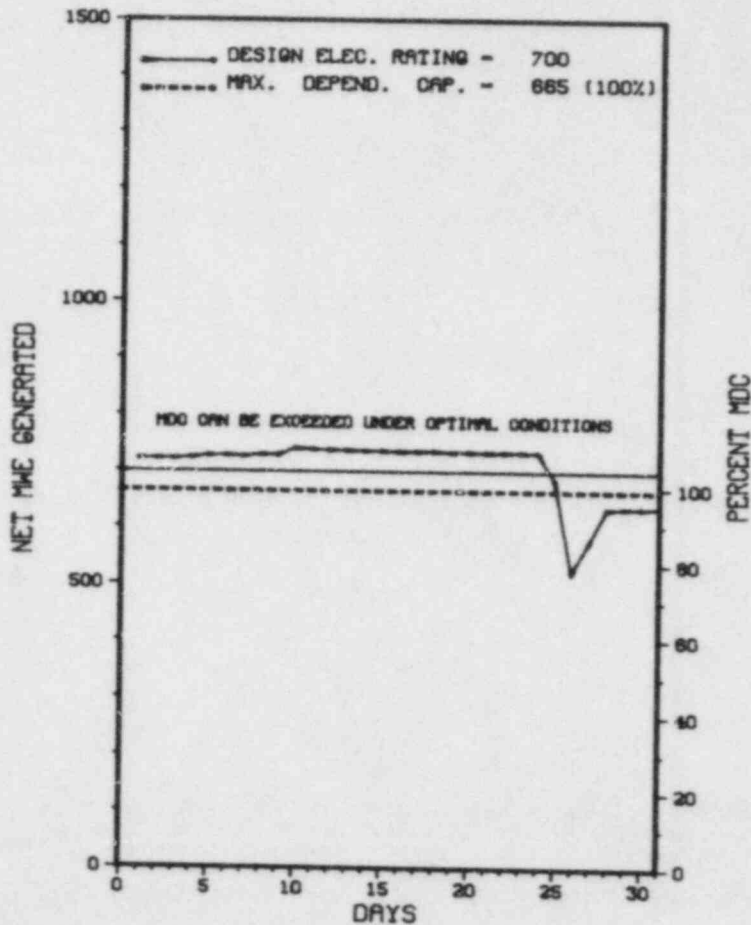
REFUELING OUTAGE: FEBRUARY 1, 1986, 45 DAYS.

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

* ROBINSON 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ROBINSON 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* ROBINSON 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1201	12/24/85	F	0.0	A	5		IA	INSTRU	REDUCED POWER DUE TO RAPID LOAD REDUCTION FROM A FROZEN SENSING LINE ON REHEAT PRESSURE TRANSMITTER. SENSING LINE WAS RELAGGED AND UNIT RETURNED TO POWER LEVEL.

***** ROBINSON 2 OPERATED ROUTINELY IN DECEMBER.
* 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)

* ROBINSON 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
LICENSEE.....CAROLINA POWER & LIGHT
CORPORATE ADDRESS.....411 FAYETTEVILLE STREET
RALEIGH, NORTH CAROLINA 27601
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....P. KRUG
LICENSING PROJ MANAGER.....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 NOVEMBER 11 - DECEMBER 10 (85-34): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 118 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) 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 IE NOTICE FOLLOWUP, ORGANIZATION AND ADMINISTRATION, INDEPENDENT INSPECTION, SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE (SALP) AND ENFORCEMENT ACTION FOLLOWUP. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN THE AREAS INSPECTED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: PELL WHITE (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: _____
NCNE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>74,569.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>8,361.9</u>	<u>44,185.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,088.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>8,346.2</u>	<u>42,504.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,468,062</u>	<u>27,716,032</u>	<u>130,486,235</u>
18. Gross Elec Ener (MWH)	<u>827,990</u>	<u>9,379,960</u>	<u>43,293,808</u>
19. Net Elec Ener (MWH)	<u>795,915</u>	<u>9,007,510</u>	<u>41,105,992</u>
20. Unit Service Factor	<u>100.0</u>	<u>95.3</u>	<u>57.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>95.3</u>	<u>57.0</u>
22. Unit Cap Factor (MDC Net)	<u>99.1</u>	<u>95.3</u>	<u>51.1</u>
23. Unit Cap Factor (DER Net)	<u>98.1</u>	<u>94.3</u>	<u>50.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.7</u>	<u>30.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>413.8</u>	<u>18,488.8</u>

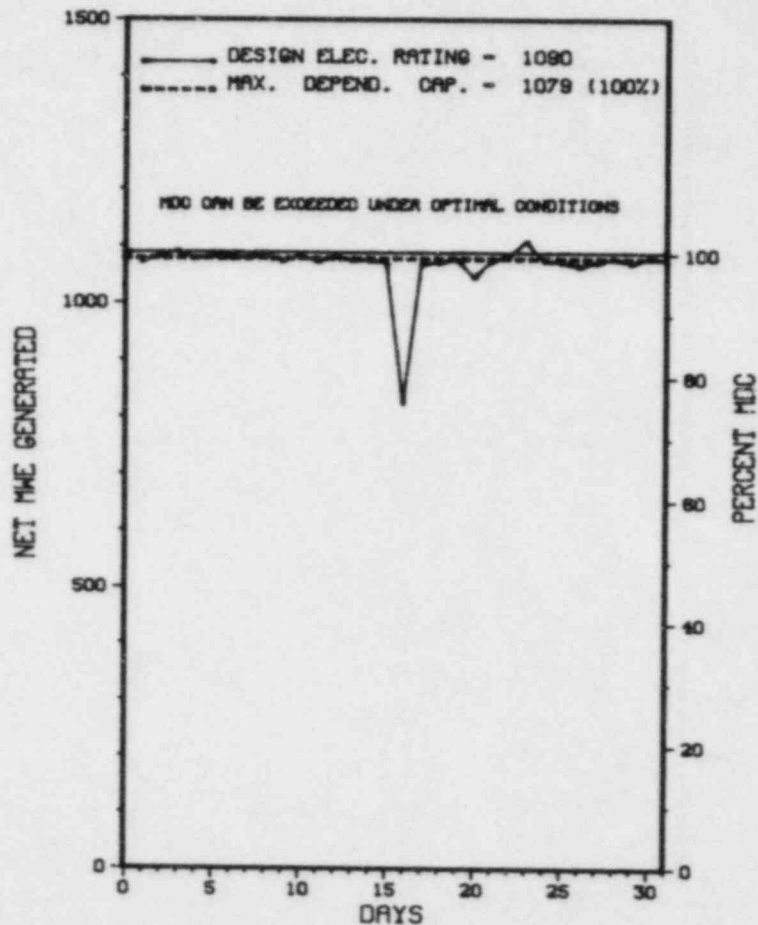
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING, MARCH 20, 1986, 60 DAYS.

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

* SALEM 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SALEM 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
750	12/16/85	F	0.0	A	5		CJ	INSTRU	PRESSURIZER PRESSURE INSTRUMENT & CONTROLS.
752	12/16/85	F	0.0	A	5		HC	HTEXCH	LOSS OF VACUUM/HIGH BACK PRESSURE.
780	12/26/85	F	0.0	A	5		HH	INSTRU	FEEDWATER HEATER LEVEL CONTROL.

 * SUMMARY *

 SALEM 1 OPERATED ROUTINELY IN DECEMBER.

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

1. Docket: 50-311 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: PELL WHITE (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>744.0</u>	<u>8,760.0</u>	<u>36,985.0</u>
13. Hours Reactor Critical	<u>237.9</u>	<u>5,231.2</u>	<u>20,325.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,533.6</u>
15. Hrs Generator On-Line	<u>237.8</u>	<u>4,924.7</u>	<u>19,536.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>810,317</u>	<u>16,018,662</u>	<u>59,745,698</u>
18. Gross Elec Ener (MWH)	<u>270,000</u>	<u>5,298,830</u>	<u>19,576,480</u>
19. Net Elec Ener (MWH)	<u>251,709</u>	<u>5,017,008</u>	<u>18,534,855</u>
20. Unit Service Factor	<u>32.0</u>	<u>56.2</u>	<u>52.8</u>
21. Unit Avail Factor	<u>32.0</u>	<u>56.2</u>	<u>52.8</u>
22. Unit Cap Factor (MDC Net)	<u>30.6</u>	<u>51.5</u>	<u>45.3</u>
23. Unit Cap Factor (DER Net)	<u>30.3</u>	<u>51.4</u>	<u>44.9</u>
24. Unit Forced Outage Rate	<u>68.0</u>	<u>41.7</u>	<u>40.5</u>
25. Forced Outage Hours	<u>506.2</u>	<u>3,523.3</u>	<u>13,295.6</u>

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

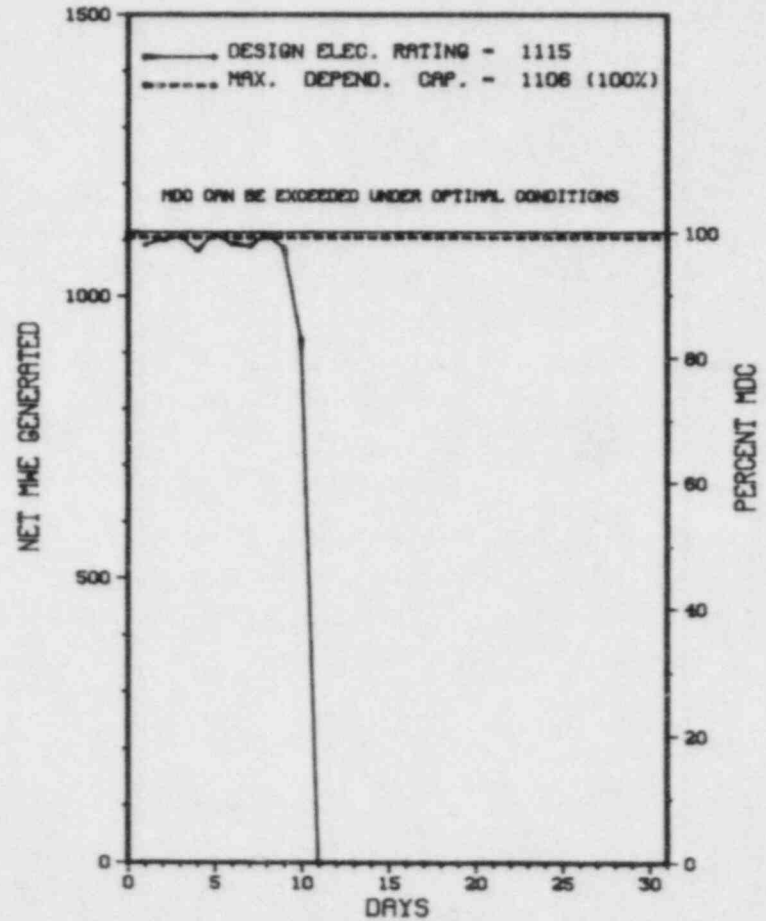
NONE

27. If Currently Shutdown Estimated Startup Date: 01/05/86

 * SALEM 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SALEM 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SALEM 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
322	12/10/85	F	506.2	A	1		HD	TURBIN	GLAND SEAL STEAM LEAK.

* SUMMARY *

SALEM 2 INCURRED 1 OUTAGE IN DECEMBER BECAUSE OF A GLAND SEAL LEAK.

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

* SALEM 2 *

FACILITY DATA

Report Period DEC 1985

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

TECHNICAL SPECIFICATION 6.8.3 REQUIRES THAT WRITTEN PROCEDURES ESTABLISHED, IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 6.8.1 MAY BE CHANGED UNDER CERTAIN CONDITIONS. STATION ADMINISTRATIVE PROCEDURE AP-3 "DOCUMENT CONTROL PROGRAM" STATES THAT ON-THE-SPOT CHANGES SHALL NOT ALTER THE INTENT OF THE INSTRUCTION/PROCEDURE. CONTRARY TO THE ABOVE, CHEMISTRY INSTRUCTION CH-3.5.012, "GAS DECAY TANKS - SAMPLING" WAS NOT ADEQUATELY MAINTAINED IN THAT ON APRIL 12, 1985, ON-THE-SPOT CHANGE NUMBER 1 WAS MADE TO THE INSTRUCTION WHICH CHANGED THE INTENT OF THE PROCEDURE AND CAUSED IT TO BE INCONSISTENT WITH THE TECHNICAL SPECIFICATIONS. TECHNICAL SPECIFICATION 6.8.1 REQUIRES THAT WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED AND MAINTAINED. OP 15 "USE OF OPERATIONS DEPARTMENT PROCEDURES," STATES THAT THE OPERATOR IS RESPONSIBLE FOR PERFORMING EVOLUTIONS PROPERLY AND IN THE CORRECT SEQUENCE. CONTRARY TO THE ABOVE, ON JULY 7, 1985, THE OPERATOR DID NOT UTILIZE PROCEDURE OP III.9.3.2 "FEED PUMP OPERATION," AND MANIPULATED THE CONTROLS FOR SHIFTING FEEDWATER CONTROLS IN THE WRONG SEQUENCE, CAUSING UNIT 2 TO TRIP ON HIGH HIGH LEVEL IN A STEAM GENERATOR.
(8501 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: 50-206 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: E. R. SIACOR (714) 492-7700 X56223

4. Licensed Thermal Power (MWh): 1347

5. Nameplate Rating (Gross MWe): 500 X 0.9 = 450

6. Design Electrical Rating (Net MWe): 436

7. Maximum Dependable Capacity (Gross MWe): 456

8. Maximum Dependable Capacity (Net MWe): 436

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

10. Power Level To Which Restricted, If Any (Net MWe): 390

11. Reasons for Restrictions, If Any:
STEAM GENERATOR TUBE CORROSION.

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>162,584.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,783.8</u>	<u>96,113.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,730.9</u>	<u>92,375.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>8,122,910</u>	<u>117,311,124</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>2,619,000</u>	<u>39,829,634</u>
19. Net Elec Ener (MWH)	<u>-1,866</u>	<u>2,457,762</u>	<u>37,661,077</u>
20. Unit Service Factor	<u>.0</u>	<u>76.8</u>	<u>56.8</u>
21. Unit Avail Factor	<u>.0</u>	<u>76.8</u>	<u>56.8</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>64.4</u>	<u>53.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>64.4</u>	<u>53.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>12.4</u>	<u>21.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>951.4</u>	<u>12,129.7</u>

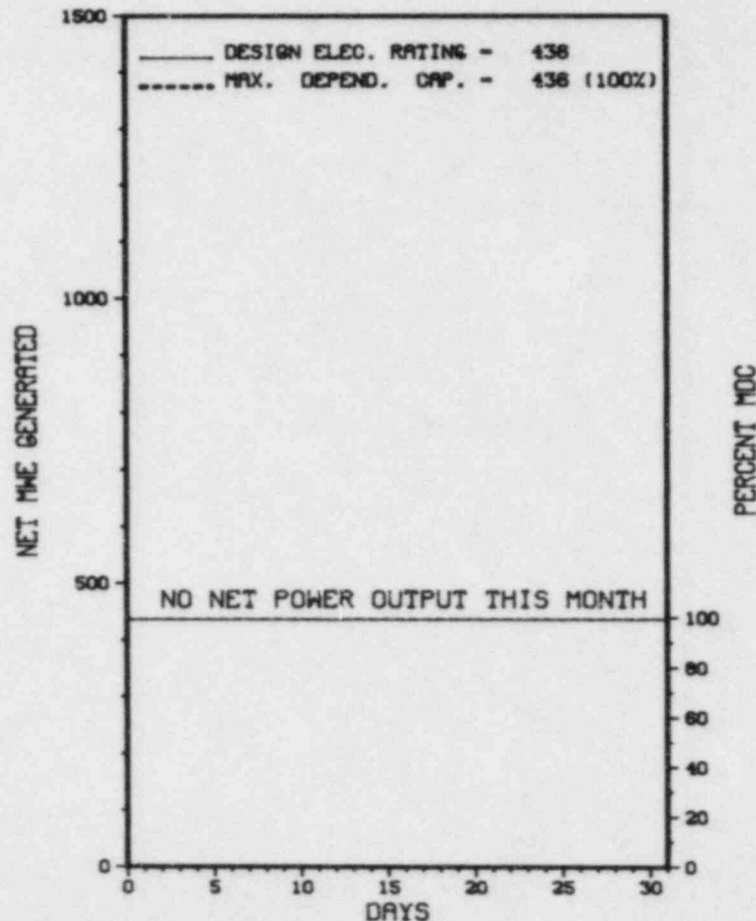
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 05/15/86

* SAN ONOFRE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
93	11/29/85	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

SAN ONOFRE REMAINS SHUT DOWN FOR REFUELING.

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

* SAN ONOFRE 1 *

FACILITY DATA

Report Period DEC 1985

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.....PHR
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. DANGELO
LICENSING PROJ MANAGER.....W. PAULSON
DOCKET NUMBER.....50-206
LICENSE & DATE ISSUANCE...DPR-13, MARCH 27, 1967
PUBLIC DOCUMENT ROOM.....SAN CLEMENTE BRANCH LIBRARY
242 AVENIDA DEL MAR
SAN CLEMENTE, CALIFORNIA 92672

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

INSPECTION SUMMARY

- + INSPECTION ON SEPTEMBER 23-27, 1985 (REPORT NO. 50-206/85-30) HEADQUARTERS INSPECTION REPORT; TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON SEPTEMBER 27 - NOVEMBER 15, 1985 (REPORT NO. 50-206/85-32) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORT REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 285 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 28 - DECEMBER 20, 1985 (REPORT NO. 50-206/85-34) AREAS INSPECTED: REGIONAL INSPECTION OF LICENSEE EVENT REPORTS AND LICENSEE ACTIONS. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 12 - DECEMBER 30, 1985 (REPORT NO. 50-206/85-37) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 15, 1985 - JANUARY 10, 1986 (REPORT NO. 50-206/85-38) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period DEC 1985

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

* SAN ONDFRE 1 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ INVESTIGATION FOLLOWING THE NOVEMBER 21, 1985, TRIP AND FEEDWATER HAMMER EVENT DISCLOSED FAILURES OF FIVE MAIN FLOW CHECK VALVES IN THE FEEDWATER SYSTEM (BOTH FEEDWATER PUMP DISCHARGE CHECK VALVES AND ALL THREE STEAM GENERATOR FEED LINE CHECK VALVES).

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT BEGAN A REFUELING AND MODIFICATION OUTAGE IN LATE NOVEMBER 1985. MODIFICATIONS WILL INCLUDE TMI, FIRE PROTECTION, SEISMIC UPGRADE, AND EQUIPMENT QUALIFICATION ITEMS. RETURN TO OPERATION IS SCHEDULED FOR JUNE 1986.

LAST IE SITE INSPECTION DATE: 11/15/85-01/10/86+

INSPECTION REPORT NO: 50-206/85-38

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
85-07-L0	03-14-85	04-16-85	INCORRECT NOBLE GAS ACTIVITY MONITOR SETPOINT
85-09-L0	03-01-85	05-28-85	PLANT VENT NOBLE GAS ACTIVITY MONITOR NOT RESET AFTER A PLANNED RELEASE
85-10-L0	05-08-85	06-07-85	FAILURE TO MAKE FLOW ESTIMATES AS REQUIRED BY TECHNICAL SPECIFICATION LCO 3.5.9
85-14-L0	09-19-85	10-21-85	MAIN STEAM DUMP VALVE FAILURE, TURBINE OVSPEED, AUXILIARY FEEDPUMP FAILURE; REACTOR TRIPPED IN RESPONSE TO TURBINE TRIP
85-15-L0	10-24-85	11-25-85	STACK SAMPLE LINE HAD HOLES DILUTING SAMPLE
85-16-L0	10-24-85	11-25-85	FIRE PROTECTION SYSTEM NOZZLES PLUGGED WITH RUST

1. Docket: 50-361 OPERATING STATUS
 2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
 3. Utility Contact: R. J. MAISEL (714) 492-7700 X86657
 4. Licensed Thermal Power (Mwt): 3410
 5. Nameplate Rating (Gross MWe): 1127
 6. Design Electrical Rating (Net MWe): 1070
 7. Maximum Dependable Capacity (Gross MWe): 1127
 8. Maximum Dependable Capacity (Net MWe): 1070
 9. If Changes Occur Above Since Last Report, Give Reasons:

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

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>21,049.0</u>
13. Hours Reactor Critical	<u>633.9</u>	<u>5,235.8</u>	<u>13,120.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>620.2</u>	<u>5,117.3</u>	<u>12,849.7</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,053,699</u>	<u>16,457,679</u>	<u>41,535,962</u>
18. Gross Elec Ener (MWH)	<u>668,658</u>	<u>5,480,325</u>	<u>13,970,200</u>
19. Net Elec Ener (MWH)	<u>633,477</u>	<u>5,153,703</u>	<u>13,196,639</u>
20. Unit Service Factor	<u>83.4</u>	<u>58.4</u>	<u>61.0</u>
21. Unit Avail Factor	<u>83.4</u>	<u>58.4</u>	<u>61.0</u>
22. Unit Cap Factor (MDC Net)	<u>79.6</u>	<u>55.0</u>	<u>58.6</u>
23. Unit Cap Factor (DER Net)	<u>79.6</u>	<u>55.0</u>	<u>58.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>7.3</u>	<u>5.3</u>
25. Forced Outage Hours	<u>.0</u>	<u>404.3</u>	<u>713.9</u>

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

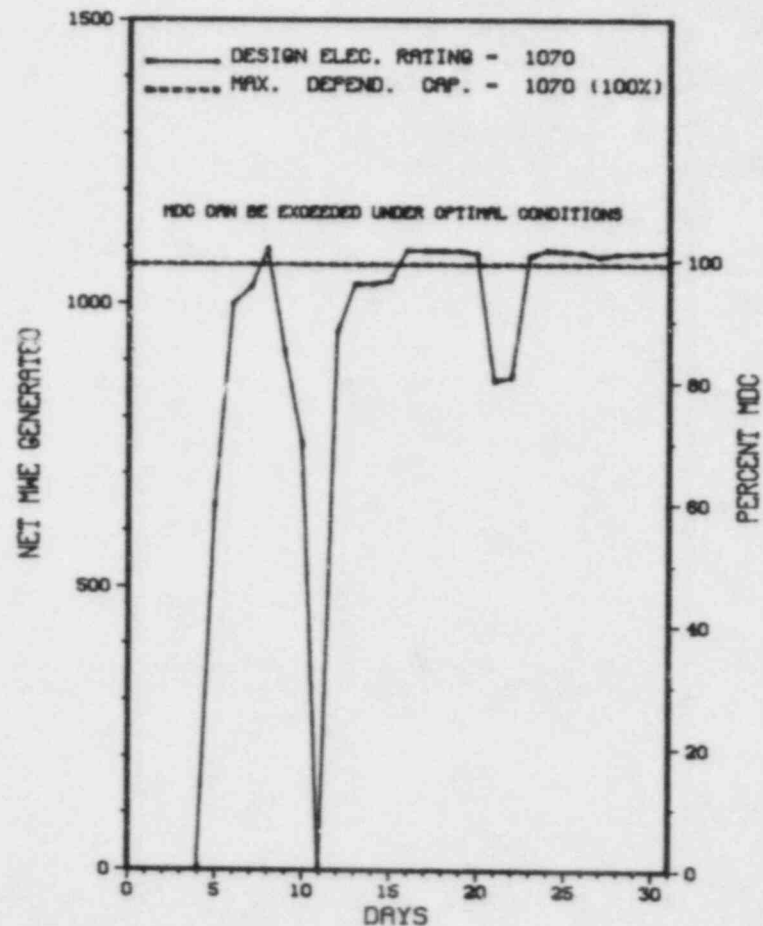
REFUELING OUTAGE, MARCH 1, 1986, 90 DAYS.

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

 * SAN ONOFRE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SAN ONOFRE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
21	11/09/85	S	96.4	B	4	85-060	AB	PSF	SCHEDULED UNIT SHUTDOWN TO REPAIR SMALL LEAK FROM THE SEAL CONTROL BLEED-OFF LINE OF REACTOR COOLANT PUMP P003. DURING THE SHUT-DOWN THE REACTOR TRIPPED AT 10% POWER DUE TO AN AXIAL SHAPE INDEX (ASI) CORE PROTECTION CALCULATOR (CPC) AUXILIARY TRIP. SEVERAL ALTERNATIVES ARE CURRENTLY BEING PURSUED TO MINIMIZE ASI EVENTS, INCLUDING UTILIZING AN ADDITIONAL GROUP OF CONTROL RODS, AND/OR RELAXED ASI LIMITATIONS AT REDUCED POWER. THE SCHEDULED OUTAGE WAS EXTENDED TO REPLACE SEAL CARTRIDGES ON ALL FOUR REACTOR COOLANT PUMPS.
22	11/10/85	S	27.4	B	3				GENERATOR MAINTENANCE OUTAGE.

 * SUMMARY *

 SAN ONOFRE 2 INCURRED 1 OUTAGE IN DECEMBER AS DESCRIBED ABOVE.

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

* SAN ONOFRE 2 *

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

Report Period DEC 1985

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.....PNR
DATE INITIAL CRITICALITY...JULY 26, 1982
DATE ELEC ENER 1ST GENER...SEPTEMBER 20, 1982
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...PACIFIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
 COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER....H. ROOD
DOCKET NUMBER.....50-361
LICENSE & DATE ISSUANCE...NPF-10, 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 SEPTEMBER 23-27, 1985 (REPORT NO. 50-361/85-29) HEADQUARTERS INSPECTION REPORT; TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON SEPTEMBER 27 - NOVEMBER 15, 1985 (REPORT NO. 50-361/85-31) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORT REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 210 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 28 - DECEMBER 20, 1985 (REPORT NO. 50-361/85-33) AREAS INSPECTED: REGIONAL INSPECTION OF LICENSEE EVENT REPORTS AND LICENSEE ACTIONS. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 12 - DECEMBER 30, 1985 (REPORT NO. 50-361/85-35) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 15, 1985 - JANUARY 10, 1986 (REPORT NO. 50-361/85-36) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

Report Period DEC 1985

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

* S A N O N O F R E 2 *

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE UNIT CONTINUED FULL POWER OPERATION IN DECEMBER FOLLOWING A BRIEF OUTAGE TO CORRECT CONDENSER LEAKAGE. ONE REACTOR TRIP WAS EXPERIENCED DURING THE MONTH.

LAST IE SITE INSPECTION DATE: 11/15/85-01/10/86+

INSPECTION REPORT NO: 50-361/85-36

Report Period DEC 1985

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
85-18-L0	08-20-85	09-19-85	REACTOR TRIP
85-24-L0	04-16-85	05-15-85	REACTOR TRIP
85-28-L0	04-19-85	05-20-85	REACTOR TRIP
85-30-L0	05-06-85	06-03-85	FIRE DOOR SURVEILLANCE INTERVAL EXCEEDED
85-39-L0	07-22-85	08-21-85	HYDROCARBON ANALYZER MALFUNCTION ON TGIS ACTUATION - CORRECTIVE ACTIONS PROVIDED IN PEVISION TO LER
85-40-L0	08-01-85	08-30-85	SPURIOUS CRIS TRAIN 'B' ACTUATION
85-41-L0	08-01-85	08-29-85	SPURIOUS TURBINE TRIP DUE TO A VOLTAGE TRANSIENT ON THE NON-1E UNINTERRUPTIBLE POWER SUPPLY INVERTER
85-42-L0	09-27-85	10-29-85	IMPROPER LEVEL DETECTION DUE TO WRONG FLUID DENSITY VALUE - SPRAY CHEMICAL STORAGE TANK
85-45-L0	09-09-85	10-07-85	SURVEILLANCE MISSED
85-46-L0	09-12-85	11-06-85	FIRE IN GENERATOR
85-47-L0	10-11-85	11-08-85	SPURIOUS TGIS - CLOSED BY IN-OFFICE REVIEW
85-49-L0	10-04-85	11-04-85	FAILED SNUBBERS / REF LER 84-79 / NOW REQUIRE VENTING MODIFICATIONS
85-50-L0	10-18-85	11-14-85	REACTOR TRIP DUE TO FAILED NIPPLE AND FALSE HIGH LEVEL SIGNAL FROM MSR DRAIN TANK
85-51-L0	10-19-85	11-18-85	REACTOR TRIP ON ASI
85-52-L0	10-22-85	11-21-85	SPURIOUS TGIS
85-53-L0	10-23-85	11-22-85	GASEOUS EFFLUENT MONITOR HAD INCORRECT SETPOINT DURING RELEASE
85-54-L0	10-25-85	11-25-85	CIRCUIT BREAKERS NOT TESTED AT TECHNICAL SPECIFICATION 60 MONTH INTERVAL
85-55-L0	10-29-85	11-27-85	FHIS ACTUATION DUE TO FAILED MONITOR

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-362 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: R. J. MAISEL (714) 492-7700 X86657

4. Licensed Thermal Power (MWt): 3390

5. Nameplate Rating (Gross MWe): 1127

6. Design Electrical Rating (Net MWe): 1080

7. Maximum Dependable Capacity (Gross MWe): 1127

8. Maximum Dependable Capacity (Net MWe): 1080

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>15,360.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>4,789.9</u>	<u>9,185.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>4,709.4</u>	<u>8,815.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,083,597</u>	<u>24,999,564</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,004,572</u>	<u>8,571,402</u>
19. Net Elec Ener (MWH)	<u>-15,097</u>	<u>3,706,977</u>	<u>7,807,347</u>
20. Unit Service Factor	<u>.0</u>	<u>53.8</u>	<u>57.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>53.8</u>	<u>57.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>39.2</u>	<u>47.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>39.2</u>	<u>47.1</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>22.5</u>	<u>14.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>1,365.6</u>	<u>1,448.9</u>

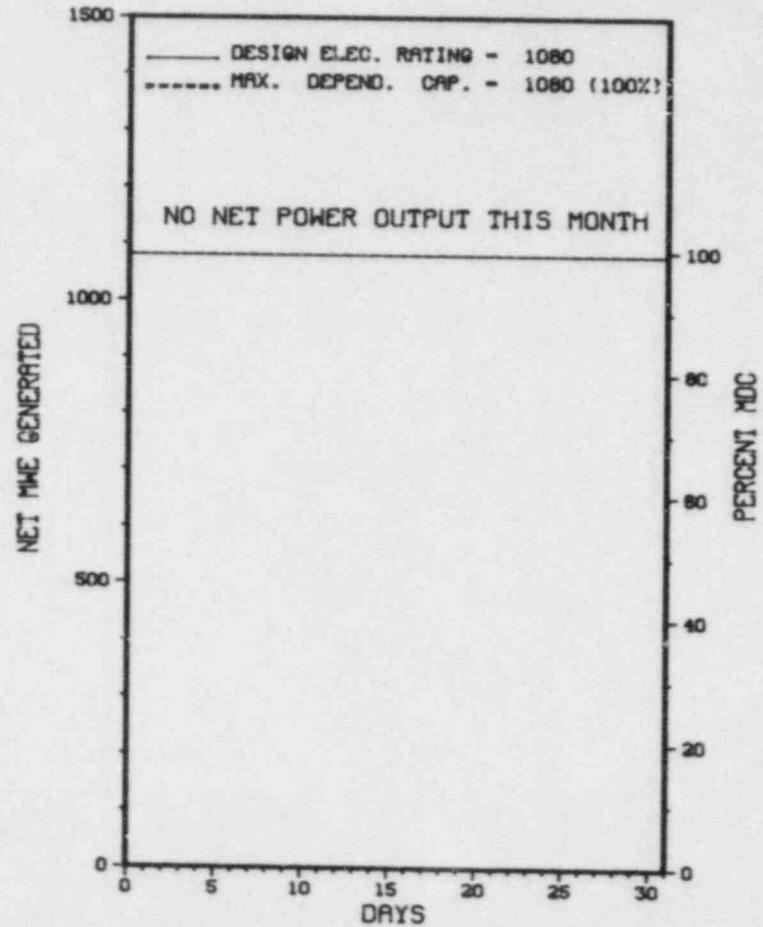
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration):
NONE

27. If Currently Shutdown Estimated Startup Date: 01/12/86

* SAN ONOFRE 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SAN ONOFRE 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SAN ONOFRE 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
22	09/14/85	S	744.0	C	4		RC	FUELXX	REFUELING OUTAGE CONTINUES.

* SUMMARY *

SAN ONOFRE 3 REMAINS IN A 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)

* SAN ONOFRE 3 *

FACILITY DATA

Report Period DEC 1985

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....R. HUEY
LICENSING PROJ MANAGER.....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 SEPTEMBER 23-27, 1985 (REPORT NO. 50-362/85-28) HEADQUARTERS INSPECTION REPORT; TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON SEPTEMBER 27 - NOVEMBER 15, 1985 (REPORT NO. 50-362/85-30) AREAS INSPECTED: ROUTINE, RESIDENT INSPECTION OF OPERATIONS PROGRAM INCLUDING THE FOLLOWING AREAS: OPERATIONAL SAFETY VERIFICATION, EVALUATION OF PLANT TRIPS AND EVENTS, MONTHLY SURVEILLANCE ACTIVITIES, MONTHLY MAINTENANCE ACTIVITIES, REFUELING ACTIVITIES, INDEPENDENT INSPECTION, LICENSEE EVENT REPORT REVIEW AND FOLLOWUP OF PREVIOUSLY IDENTIFIED ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 196 INSPECTOR-HOURS ONSITE BY FIVE NRC INSPECTORS.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 28 - DECEMBER 20, 1985 (REPORT NO. 50-362/85-32) AREAS INSPECTED: REGIONAL INSPECTION OF LICENSEE EVENT REPORTS AND LICENSEE ACTIONS. THE INSPECTION INVOLVED 44 INSPECTOR-HOURS BY ONE NRC INSPECTOR.
RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.
- + INSPECTION ON NOVEMBER 12 - DECEMBER 30, 1985 (REPORT NO. 50-362/85-34) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 22 - DECEMBER 6, 1985 (REPORT NO. 50-362/85-35) AREAS INSPECTED: ROUTINE, ANNOUNCED INSPECTION OF ACTIVITIES RELATING TO A PERIODIC CONTAINMENT INTEGRATED LEAK RATE TEST (CILRT). THE INSPECTION INCLUDED PROCEDURE REVIEW,

Report Period DEC 1985

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

* SAN ONOFRE 3 *

INSPECTION SUMMARY

INTERVIEWS WITH PERSONNEL, WITNESSING PORTIONS OF THE CILRT, AND INSPECTION OF CONTAINMENT. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 52 INSPECTOR-HOURS ONSITE AND 10 INSPECTOR-HOURS IN THE REGION OFFICE, BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

+ INSPECTION ON NOVEMBER 15, 1985 - JANUARY 10, 1986 (REPORT NO. 50-362/85-36) 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:

+ COMPLETION OF THE UNIT'S FIRST REFUELING OUTAGE WAS DELAYED BY A REACTOR COOLANT PUMP (RCP) THRUST BEARING PROBLEM AND NEED TO REPLACE RCP SEALS. RESUMPTION OF PLANT OPERATION IS EXPECTED IN JANUARY 1986.

LAST IE SITE INSPECTION DATE: 11/15/85-01/10/86+

INSPECTION REPORT NO: 50-362/85-36

Report Period DEC 1985

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
85-10-L0	03-29-85	04-29-85	REACTOR TRIP DUE TO COMPONENT FAILURE IN RPS
85-15-L0	04-22-85	05-28-85	ISOLATED TURBINE PLANT AREA SUMP MONITOR DUE TO INCOMPLETE RECORDS
85-19-L0	05-17-85	06-14-85	SPURIOUS FUEL HANDLING ISOLATION SYSTEM ACTUATIONS
85-20-L0	05-24-85	06-18-85	DROPPED CEA DUE TO A BLOWN FUSE CAUSED RPS ACTUATION
85-22-L0	08-09-85	09-03-85	FIRE WATCH POSTED HOURLY INSTEAD OF CONTINUOUSLY
85-26-L0	10-16-85	11-15-85	FUEL HANDLING CONDUCTED DURING CONTAINMENT PURGE WITHOUT CPIS MONITOR IN SERVICE
85-29-L0	09-27-85	10-25-85	SNUBBER FAILURES
85-31-L0	10-08-85	11-06-85	FHIS ACTUATIONS
85-32-L0	10-08-85	11-14-85	SPURIOUS FHIS ACTUATION
85-44-L0	03-20-85	04-30-85	CEAC PENALTY FACTORS WERE NOT RESPONSE TIME TESTED

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-327 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

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

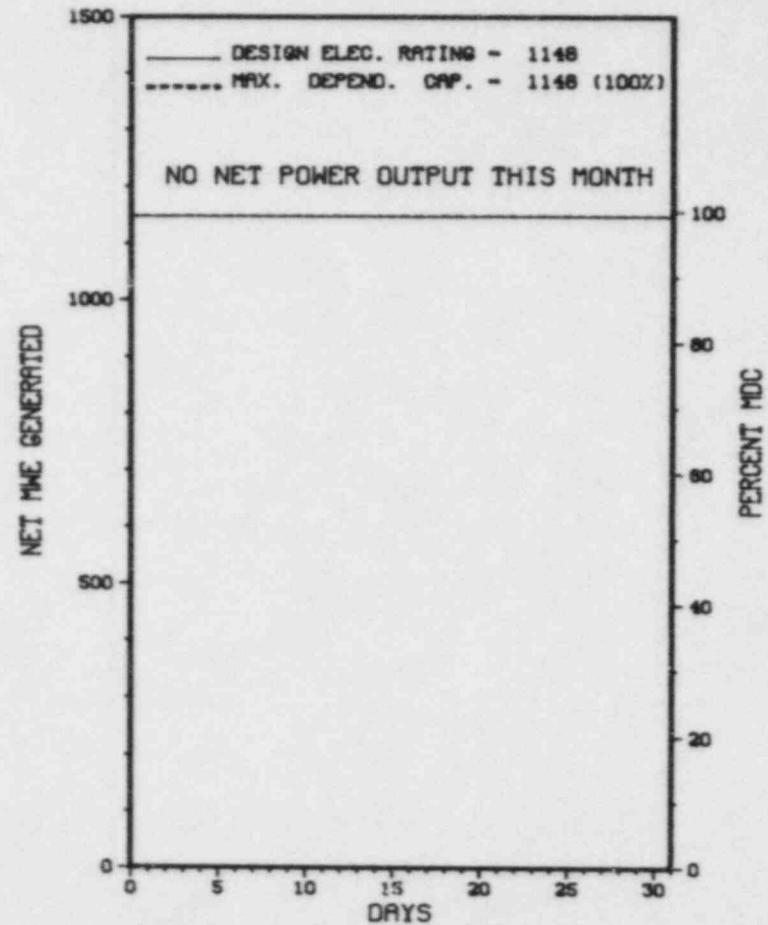
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>39,481.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>3,797.2</u>	<u>24,444.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>3,762.2</u>	<u>23,871.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>12,383,286</u>	<u>77,060,921</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>4,239,970</u>	<u>25,978,386</u>
19. Net Elec Ener (MWH)	<u>-196</u>	<u>4,061,107</u>	<u>24,942,737</u>
20. Unit Service Factor	<u>.0</u>	<u>42.9</u>	<u>60.5</u>
21. Unit Avail Factor	<u>.0</u>	<u>42.9</u>	<u>60.5</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>40.4</u>	<u>55.0</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>40.4</u>	<u>55.0</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>17.9</u>	<u>19.1</u>
25. Forced Outage Hours	<u>288.0</u>	<u>819.6</u>	<u>5,627.1</u>

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

27. If Currently Shutdown Estimated Startup Date: 02/10/86

* SEQUOYAH 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	08/22/85	S	456.0	C	4				REFUELING/MODIFICATION OUTAGE CONCLUDES.
7	12/20/85	F	288.0	F	9				NUREG 0588 DOCUMENTATION CONCERNS.

* SUMMARY *

SEQUOYAH 1 REMAINS IN AN EXTENDED ADMINISTRATIVE SHUTDOWN.

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 DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 5, 1980
DATE ELEC ENER 1ST GENER...JULY 22, 1980
DATE COMMERCIAL OPERATE....JULY 1, 1981
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....6 NORTH 38A LOOKOUT PLACE
CHATTANOOGA, TENNESSEE 37401
CONTRACTOR
ARCHITECT/ENGINEER.....TENNESSEE VALLEY AUTHORITY
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....TENNESSEE VALLEY AUTHORITY
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....E. FORD
LICENSING PROJ MANAGER....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 6 - NOVEMBER 5 (85-35): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 174 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SECURITY AND HOUSEKEEPING INSPECTIONS; SURVEILLANCE AND MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; WALKDOWN OF ENGINEERED SAFETY FEATURES; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT PROCEDURES IN THE AREAS OF REACTOR TRIP RESPONSE TIME TESTING (PARAGRAPH 7), INSTALLATION OF A CONTAINMENT PENETRATION (PARAGRAPH 8), RADIATION MONITOR TESTING (PARAGRAPH 10); AND, CONFIGURATION CONTROL OF A RADIATION MONITOR POWER SOURCE (PARAGRAPH 10).

INSPECTION NOVEMBER 18-21 (85-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING, METEOROLOGICAL INSTRUMENTATION OPERABILITY, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ADDITIONAL EXAMPLE OF PREVIOUSLY IDENTIFIED VIOLATION (50-327/85-26-03, 50-328/85-26-03): FAILURE TO PERFORM ADEQUATE HAND AND FOOT FRISK PRIOR TO LEAVING A REGULATED AREA.

INSPECTION NOVEMBER 12-15 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 14 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, OBSERVATION OF ISI WORK AND WORK ACTIVITIES, REVIEW AND EVALUATION OF COMPLETED ISI DATA, PREVIOUS ENFORCEMENT ITEMS AND IN OFFICE REVIEW OF SPECIAL REPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 18-21 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 18 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period DEC 1985

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

* SEQUOYAH 1 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100%

LAST IE SITE INSPECTION DATE: NOVEMBER 18-22, 1985 +

INSPECTION REPORT NO: 50-327/85-41 +

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: 50-328 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: DAVID DUPREE (615) 870-6544

4. Licensed Thermal Power (Mht): 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

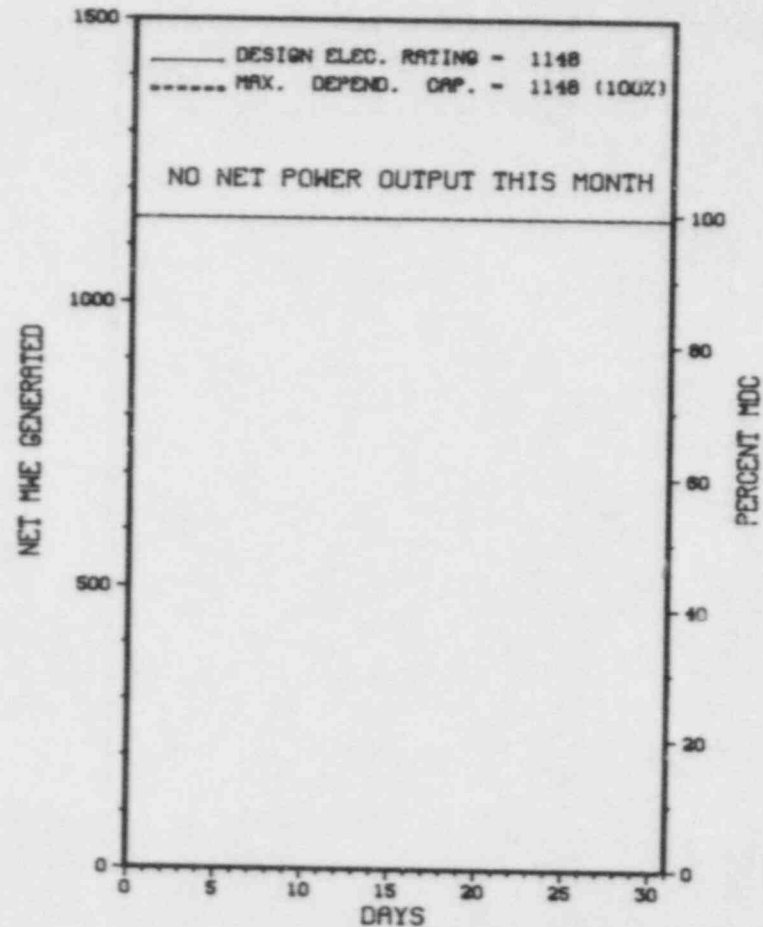
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>31,441.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,289.4</u>	<u>21,984.5</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,224.2</u>	<u>21,494.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>17,128,965</u>	<u>69,127,974</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,845,100</u>	<u>23,556,780</u>
19. Net Elec Ener (MWH)	<u>-4,096</u>	<u>5,610,949</u>	<u>22,631,958</u>
20. Unit Service Factor	<u>.0</u>	<u>59.6</u>	<u>68.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>59.6</u>	<u>68.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>55.8</u>	<u>62.7</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>55.8</u>	<u>62.7</u>
24. Unit Forced Outage Rate	<u>100.0</u>	<u>40.3</u>	<u>19.2</u>
25. Forced Outage Hours	<u>744.0</u>	<u>3,529.6</u>	<u>5,123.3</u>

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

27. If Currently Shutdown Estimated Startup Date: 02/02/86

***** (XXXXXXXXXXXXXXXXXXXXXXXXXXXX)
* SEQUOYAH 2 *
***** (XXXXXXXXXXXXXXXXXXXXXXXXXXXX)

AVERAGE DAILY POWER LEVEL (MWe) PLOT
SEQUOYAH 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SEQUOYAH 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	08/21/85	F	744.0	F	4				NUREG 0588 DOCUMENTATION CONCERNS CONTINUES.

* SUMMARY *

SEQUOYAH 2 REMAINS IN AN EXTENDED ADMINSTRATIVE SHUTDOWN

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 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....TENNESSEE
COUNTY.....HAMILTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...9.5 MI NE OF
CHATTANOOGA, TN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...NOVEMBER 5, 1981
DATE ELEC ENER 1ST GENER...DECEMBER 23, 1981
DATE COMMERCIAL OPERATE...JUNE 1, 1982
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...CHICKAMAUGA LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....TENNESSEE VALLEY AUTHORITY
CORPORATE ADDRESS.....6 N. JRTN 38A LOOKOUT PL. NCE
CHATTANOOGA, TENNESSEE 37407
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.....50-328
LICENSE & DATE ISSUANCE...DPR-79, SEPTEMBER 15, 1981
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 6 - NOVEMBER 5 (85-35): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 175 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF OPERATIONAL SAFETY VERIFICATION INCLUDING OPERATIONS PERFORMANCE, SYSTEM LINEUPS, RADIATION PROTECTION, SECURITY AND HOUSEKEEPING INSPECTIONS; SURVEILLANCE AND MAINTENANCE OBSERVATIONS; REVIEW OF PREVIOUS INSPECTION FINDINGS; FOLLOWUP OF EVENTS; REVIEW OF LICENSEE IDENTIFIED ITEMS; WALKDOWN OF ENGINEERED SAFETY FEATURES; AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ONE VIOLATION WAS IDENTIFIED - FAILURE TO IMPLEMENT PROCEDURES IN THE AREAS OF REACTOR TRIP RESPONSE TIME TESTING (PARAGRAPH 7), INSTALLATION OF A CONTAINMENT PENETRATION (PARAGRAPH 8), RADIATION MONITOR TESTING (PARAGRAPH 10); AND, CONFIGURATION CONTROL OF A RADIATION MONITOR POWER SOURCE (PARAGRAPH 10).

INSPECTION NOVEMBER 18-21 (85-38): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS IN THE AREAS OF RADIOLOGICAL ENVIRONMENTAL MONITORING, METEOROLOGICAL INSTRUMENTATION OPERABILITY, AND REVIEW OF INSPECTOR FOLLOWUP ITEMS. ADDITIONAL EXAMPLE OF PREVIOUSLY IDENTIFIED VIOLATION (50-327/85-26-03, 50-328/85-26-03): FAILURE TO PERFORM ADEQUATE HAND AND FOOT FRISK PRIOR TO LEAVING A REGULATED AREA.

INSPECTION NOVEMBER 12-15 (85-39): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 15 INSPECTOR-HOURS ON SITE IN THE AREAS OF REVIEW OF INSERVICE INSPECTION (ISI) PROCEDURES, OBSERVATION OF ISI WORK AND WORK ACTIVITIES, REVIEW AND EVALUATION OF COMPLETED ISI DATA, PREVIOUS ENFORCEMENT ITEMS AND IN OFFICE REVIEW OF SPECIAL REPORTS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 18-22 (85-41): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF EMERGENCY PREPAREDNESS. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period DEC 1985

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

* SEQUOYAH 2 *

INSPECTION SUMMARY

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING.

LAST IE SITE INSPECTION DATE: NOVEMBER 18-22, 1985 +

INSPECTION REPORT NO: 50-328/85-41 +

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: 50-335 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 827

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

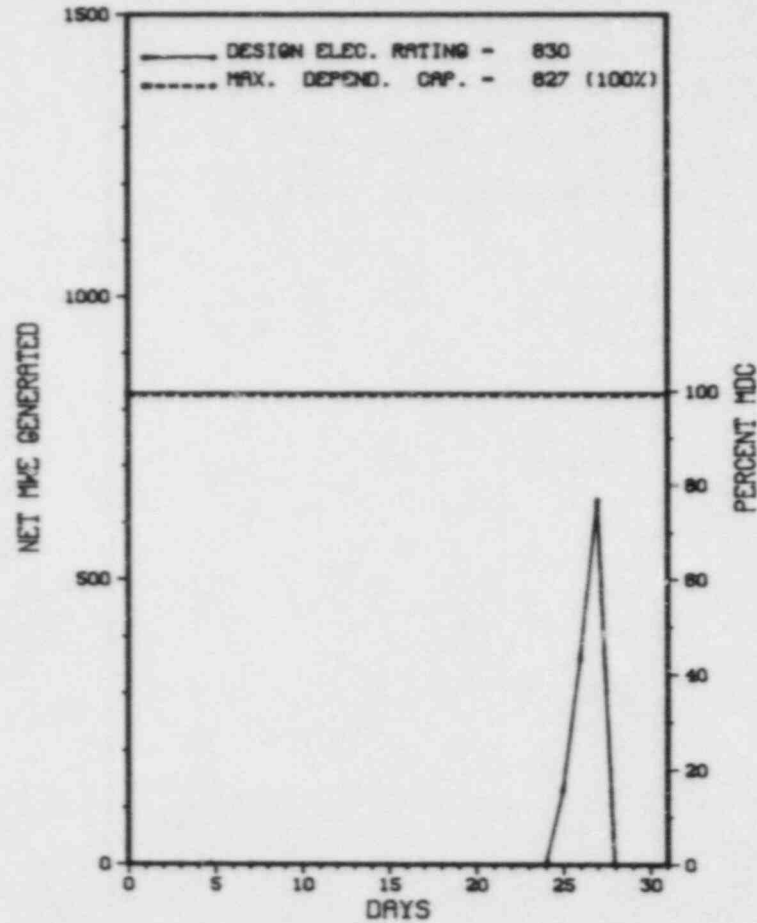
10. Power Level To Which Restricted, If Any (Net MWe): _____

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>79,152.0</u>
13. Hours Reactor Critical	<u>129.4</u>	<u>7,134.7</u>	<u>57,156.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>205.3</u>
15. Hrs Generator On-Line	<u>66.8</u>	<u>7,068.6</u>	<u>55,802.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>39.3</u>
17. Gross Therm Ener (MWH)	<u>98,138</u>	<u>18,754,724</u>	<u>140,890,235</u>
18. Gross Elec Ener (MWH)	<u>29,860</u>	<u>6,197,850</u>	<u>46,056,505</u>
19. Net Elec Ener (MWH)	<u>21,068</u>	<u>5,866,439</u>	<u>43,424,214</u>
20. Unit Service Factor	<u>9.0</u>	<u>80.7</u>	<u>70.5</u>
21. Unit Avail Factor	<u>9.0</u>	<u>80.7</u>	<u>70.6</u>
22. Unit Cap Factor (MDC Net)	<u>3.4</u>	<u>81.1</u>	<u>66.3</u>
23. Unit Cap Factor (DER Net)	<u>3.4</u>	<u>80.7</u>	<u>66.1</u>
24. Unit Forced Outage Rate	<u>58.7</u>	<u>1.4</u>	<u>4.4</u>
25. Forced Outage Hours	<u>94.9</u>	<u>101.9</u>	<u>2,554.8</u>
26. Shutdowns Sched Over Next 6 Months (Type,Date,Duration): <u>NONE</u>			
27. If Currently Shutdown Estimated Startup Date: <u>01/01/86</u>			

* ST LUCIE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
ST LUCIE 1



DECEMBER 1985

Report Period DEC 1985

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

 * ST LUCIE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
03	10/20/85	S	582.3	C	4		RC	FUELXX	THE UNIT WAS RETURNED TO SERVICE FROM A REFUELING AND SCHEDULED MAINTENANCE OUTAGE
04	12/25/85	S	0.0	H	5		ZZ	ZZZZZZ	DURING THE RETURN TO FULL POWER OPERATTON, POWER WAS REDUCED FOR PHYSICS TESTING, CORE BARREL ANALYSIS AND FEEDWATER PUMP OIL CHANGE.
05	12/28/85	F	94.9	A	2		CJ	VALVEX	THE UNIT WAS SHUTDOWN TO REPAIR A PRESSURIZER CODE SAFETY VALVE AND LEAKING PORV.

 * SUMMARY *

 ST. LUCIE 1 COMPLETED REFUELING ON DECEMBER 25 AND INCURRED AN ADDITIONAL OUTAGE FOR A LEAKING PORV.

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)

* ST LUCIE 1 *

FACILITY DATA

Report Period DEC 1985

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.....PHR
DATE INITIAL CRITICALITY...APRIL 22, 1976
DATE ELEC ENER 1ST GENER...MAY 7, 1976
DATE COMMERCIAL OPERATE...DECEMBER 21, 1976
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER STREET P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....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 NOVEMBER 18-22 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF CORE SUPPORT BARREL INSPECTION (UNIT 1), UPPER GUIDE STRUCTURE LIFT FAILURE (UNIT 1), NUCLEAR WELDING (UNIT 1), NONDESTRUCTIVE EXAMINATION (UNITS 1 AND 2), INSERVICE INSPECTION (UNIT 1), INSPECTOR FOLLOWUP ITEMS (UNIT 1), AND IE BULLETINS (UNITS 1 AND 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 4-8 AND 12-15 (85-29): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 84 INSPECTOR-HOURS AT THE SITE IN THE AREAS OF PREPARATION FOR REFUELING, REFUELING ACTIVITY, AND SPENT FUEL POOL ACTIVITY. ONE VIOLATION WAS IDENTIFIED - INADEQUATE PROCEDURE FOR REMOVAL OF UPPER GUIDE STRUCTURE.

INSPECTION NOVEMBER 12 - DECEMBER 9 (85-30): THIS INSPECTION INVOLVED 92 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, INSPECTION AND ENFORCEMENT (IE) BULLETINS AND REFUELING (UNIT 1). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

Report Period DEC 1985

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

* ST LUCIE 1 *

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 12 - DECEMBER 9, 1985 +

INSPECTION REPORT NO: 50-335/85-30 +

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

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
NONE.			

=====

1. Docket: 50-389 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: N. W. GRANT (305) 552-3675

4. Licensed Thermal Power (MHT): 2700

5. Nameplate Rating (Gross MWe): 0850

6. Design Electrical Rating (Net MWe): 830

7. Maximum Dependable Capacity (Gross MWe): 882

8. Maximum Dependable Capacity (Net MWe): 837

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

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>744.0</u>	<u>8,760.0</u>	<u>21,049.0</u>
13. Hours Reactor Critical	<u>671.1</u>	<u>7,442.7</u>	<u>18,048.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>661.4</u>	<u>7,371.6</u>	<u>17,572.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,750,638</u>	<u>19,287,969</u>	<u>44,646,534</u>
18. Gross Elec Ener (MWH)	<u>586,730</u>	<u>6,466,980</u>	<u>14,916,680</u>
19. Net Elec Ener (MWH)	<u>555,558</u>	<u>6,108,631</u>	<u>14,071,043</u>
20. Unit Service Factor	<u>88.9</u>	<u>84.2</u>	<u>83.5</u>
21. Unit Avail Factor	<u>88.9</u>	<u>84.2</u>	<u>83.5</u>
22. Unit Cap Factor (MDC Net)	<u>89.2</u>	<u>84.6</u>	<u>79.9</u>
23. Unit Cap Factor (DER Net)	<u>90.0</u>	<u>84.2</u>	<u>80.5</u>
24. Unit Forced Outage Rate	<u>11.1</u>	<u>13.3</u>	<u>10.8</u>
25. Forced Outage Hours	<u>82.6</u>	<u>1,135.3</u>	<u>2,126.6</u>

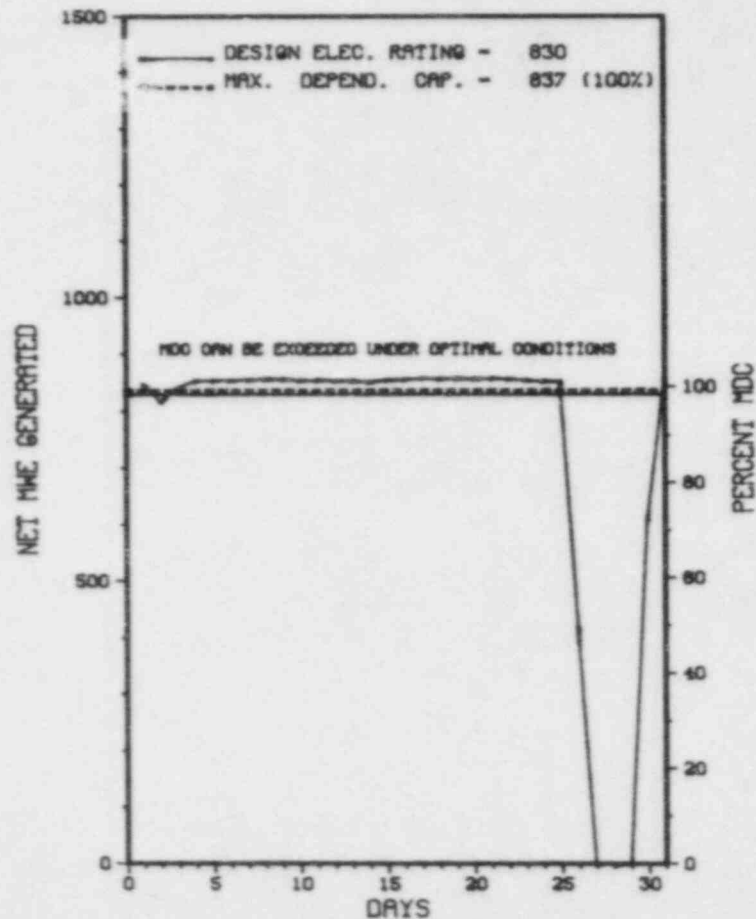
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* ST LUCIE 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ST LUCIE 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ST LUCIE 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
13	12/26/85	F	82.6	A	2		IB	CRDRVE	A SHUTDOWN WAS REQUIRED TO REPAIR A CONTROL ROD DRIVE MECHANISM. AFTER THE PLANT WAS BROUGHT BACK ON LINE, POWER WAS HELD AT A REDUCED LEVEL FOR SECONDARY CHEMISTRY CONTROL AND CALIBRATION OF NUCLEAR INSTRUMENTATION.

 * SUMMARY *

 ST. LUCIE 2 OPERATED IN DECEMBER WITH 1 OUTAGE AS DESCRIBED ABOVE.

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

ST LUCIE 2 #

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....FLORIDA
COUNTY.....ST LUCIE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI SE OF
FT. PIERCE, FLA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JUNE 2, 1983
DATE ELEC ENER 1ST GENER...JUNE 13, 1983
DATE COMMERCIAL OPERATE...AUGUST 8, 1983
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...ATLANTIC OCEAN
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....9250 WEST FLAGLER ST., P.O. BOX 529100
MIAMI, FLORIDA 33152
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. CRLENJAK
LICENSING PROJ MANAGER.....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 NOVEMBER 18-22 (85-27): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF CORE SUPPORT BARREL INSPECTION (UNIT 1), UPPER GUIDE STRUCTURE LIFT FAILURE (UNIT 1), NUCLEAR WELDING (UNIT 1), NONDESTRUCTIVE EXAMINATION (UNITS 1 AND 2), INSERVICE INSPECTION (UNIT 1), INSPECTOR FOLLOWUP ITEMS (UNIT 1), AND IE BULLETINS (UNITS 1 AND 2). NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 12 - DECEMBER 9 (85-30): THIS INSPECTION INVOLVED 91 INSPECTOR-HOURS ON SITE IN THE AREAS OF TECHNICAL SPECIFICATION (TS) COMPLIANCE, OPERATOR PERFORMANCE, OVERALL PLANT OPERATIONS, QUALITY ASSURANCE PRACTICES, STATION AND CORPORATE MANAGEMENT PRACTICES, CORRECTIVE AND PREVENTIVE MAINTENANCE ACTIVITIES, SITE SECURITY PROCEDURES, RADIATION CONTROL ACTIVITIES, SURVEILLANCE ACTIVITIES, INSPECTION AND ENFORCEMENT (IE) BULLETINS AND REFUELING (UNIT 1). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

INSPECTION STATUS - (CONTINUED)

XX
X ST LUCIE 2 X
XX

OTHER ITEMS

PERFORMING STARTUP TESTING.

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: NOVEMBER 12 - DECEMBER 9, 1985 +

INSPECTION REPORT NO: 50-389/85-30 +

REPORTS FROM LICENSEE

=====

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

NONE.

=====

1. Docket: 50-395 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>17,544.0</u>
13. Hours Reactor Critical	<u>385.2</u>	<u>6,439.9</u>	<u>11,993.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>320.1</u>	<u>6,274.6</u>	<u>11,640.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>661,338</u>	<u>16,504,980</u>	<u>29,837,566</u>
18. Gross Elec Ener (MWH)	<u>212,714</u>	<u>5,498,510</u>	<u>9,930,623</u>
19. Net Elec Ener (MWH)	<u>190,262</u>	<u>5,230,522</u>	<u>9,427,047</u>
20. Unit Service Factor	<u>43.0</u>	<u>71.6</u>	<u>66.3</u>
21. Unit Avail Factor	<u>43.0</u>	<u>71.6</u>	<u>66.3</u>
22. Unit Cap Factor (MDC Net)	<u>28.9</u>	<u>67.5</u>	<u>60.7</u>
23. Unit Cap Factor (DER Net)	<u>28.4</u>	<u>66.3</u>	<u>59.7</u>
24. Unit Forced Outage Rate	<u>7.9</u>	<u>6.1</u>	<u>8.4</u>
25. Forced Outage Hours	<u>27.4</u>	<u>410.2</u>	<u>1,060.7</u>

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

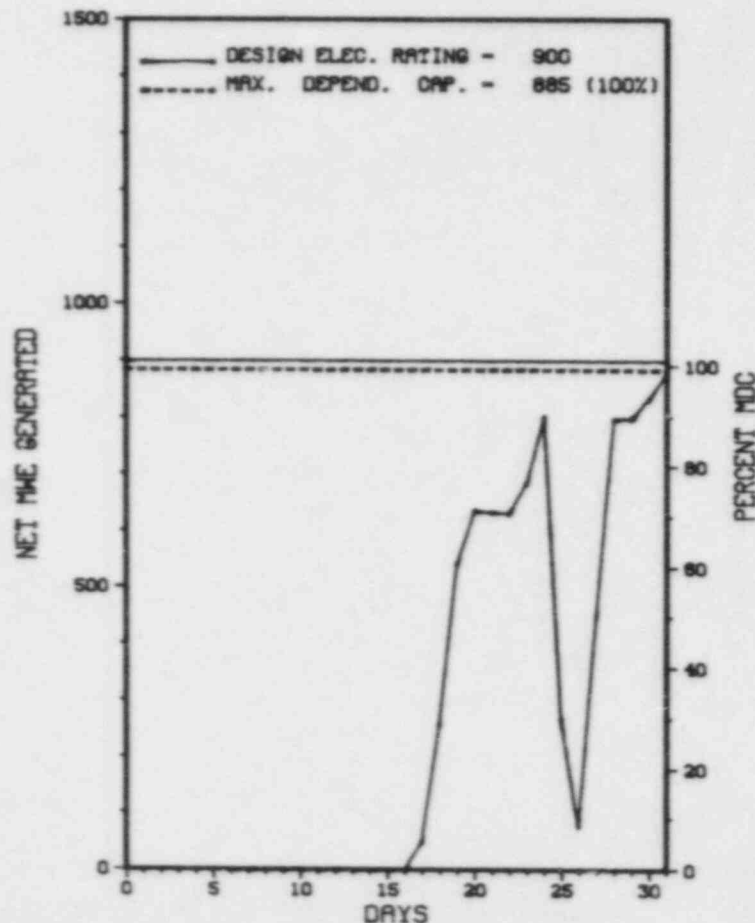
NONE

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

 * S U M M E R 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUMMER 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUMMER *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
12	10/05/85	S	396.5	C	4				REFUELING OUTAGE CONCLUDES.
13	12/25/85	F	27.4	A	1				PRESSURIZER SPRAY VALVE FAILED OPEN.

 * SUMMARY *

 SUMMER 1 COMPLETED REFUELING ON DECEMBER 17 AND HAD AN ADDITIONAL SHUTDOWN FOR A FAILED OPEN PRESSURIZER SPRAY VALVE.

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 DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....SOUTH CAROLINA
COUNTY.....FAIRFIELD
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...26 MI NW OF
COLUMBIA, SC
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...OCTOBER 22, 1982
DATE ELEC ENER 1ST GENER...NOVEMBER 16, 1982
DATE COMMERCIAL OPERATE....JANUARY 1, 1984
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MONTICELLO RESERVOIR
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....SOUTH CAROLINA ELECTRIC & GAS CO.
CORPORATE ADDRESS.....P.O. BOX 764
COLUMBIA, SOUTH CAROLINA 29202
CONTRACTOR
ARCHITECT/ENGINEER.....GILBERT ASSOCIATES
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....R. PREVATTE
LICENSING PROJ MANAGER.....J. 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 21-25 AND NOVEMBER 14-17 (85-40): THIS ROUTINE, UNANNOUNCED INSPECTION INVOLVED 62 INSPECTOR-HOURS ON SITE IN THE AREAS OF ROTOPEENING OF STEAM GENERATOR TUBING, EDDY CURRENT EXAMINATION OF STEAM GENERATOR TUBING, ANCHOR/DARLING SWING CHECK VALVE DEFICIENCIES, IE BULLETIN 79-13, AND INSPECTOR FOLLOWUP ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 1-30 (85-42): THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 236 RESIDENT INSPECTOR-HOURS ON SITE IN THE AREAS OF FOLLOWUP ON NONROUTINE EVENTS AND REPORTS, SURVEILLANCE OBSERVATIONS OF SAFETY RELATED SYSTEMS, OBSERVATION OF MAINTENANCE ACTIVITIES, FOLLOWUP OF OPERATIONAL EVENTS, REFUELING ACTIVITIES, OPERATIONAL SAFETY VERIFICATIONS, PREPARATION FOR REFUELING, ENGINEERED SAFETY SYSTEMS, ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES. OF THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 4-7 (85-43): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 25 INSPECTOR-HOURS ON SITE IN THE AREAS OF WITNESSING AND REVIEWING REFUELING ACTIVITIES, SURVEILLANCE TEST WITNESSING AND FOLLOWUP OF IE BULLETIN 84-03. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 19-22 (85-44): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 27 INSPECTOR-HOURS AT THE SITE DURING NORMAL DUTY HOURS, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, THE SNUBBER SURVEILLANCE PROGRAM, AND THE REACTOR BUILDING TENDON SURVEILLANCE PROGRAM. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

Report Period DEC 1985

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X SUMMER 1 X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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: NOVEMBER 1-30, 1985 +

INSPECTION REPORT NO: 50-395/85-42 +

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: 50-280 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWT): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 820

8. Maximum Dependable Capacity (Net MWe): 781

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>114,192.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>7,935.4</u>	<u>72,328.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,774.5</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>7,829.4</u>	<u>70,838.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,736.2</u>
17. Gross Therm Ener (MWH)	<u>1,729,638</u>	<u>17,868,442</u>	<u>163,356,926</u>
18. Gross Elec Ener (MWH)	<u>571,260</u>	<u>5,919,970</u>	<u>52,771,933</u>
19. Net Elec Ener (MWH)	<u>542,318</u>	<u>5,618,285</u>	<u>50,030,129</u>
20. Unit Service Factor	<u>100.0</u>	<u>89.4</u>	<u>62.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>89.4</u>	<u>65.3</u>
22. Unit Cap Factor (MDC Net)	<u>93.3</u>	<u>82.3</u>	<u>56.1</u>
23. Unit Cap Factor (DER Net)	<u>92.5</u>	<u>81.4</u>	<u>55.6</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>6.5</u>	<u>19.1</u>
25. Forced Outage Hours	<u>.0</u>	<u>547.5</u>	<u>12,981.3</u>

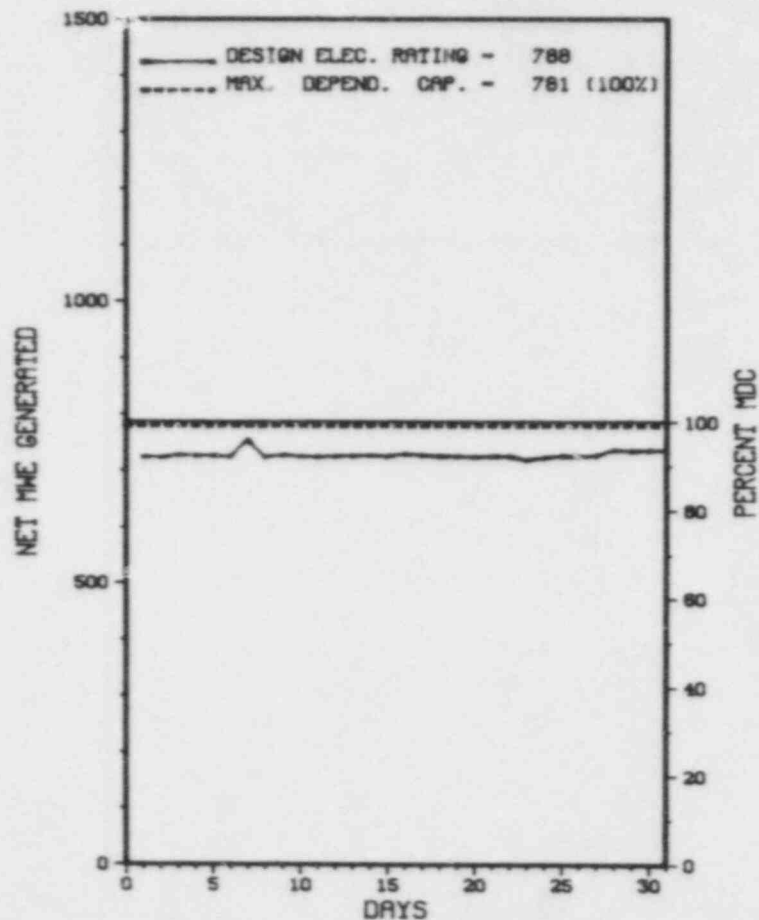
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
SNUBBER INSPECTION - MARCH 14, 1986 - 10 DAYS.

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

X SURRY 1 X

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 1 *

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

NONE

* SUMMARY *

SURRY 1 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES ON POWER REDUCTIONS REPORTED.

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

* SURRY 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....VIRGINIA
COUNTY.....SURRY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...17 MI NW OF
NEWPORT NEWS, VA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...JULY 1, 1972
DATE ELEC ENER 1ST GENER...JULY 4, 1972
DATE COMMERCIAL OPERATE...DECEMBER 22, 1972
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...JAMES RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHEASTERN ELECTRIC
RELIABILITY COUNCIL

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....T. CHAN
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 NOVEMBER 5 - DECEMBER 2 (85-36): THIS INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT ITEMS AND LICENSEE EVENT REPORTS (LERS). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 18-22 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 19 INSPECTOR-HOURS ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO THE PROTECTED AREA. FAILURE TO PROVIDE POSITIVE ACCESS CONTROL TO THE PROTECTED AREA.
(8503 3)

OTHER ITEMS

Report Period DEC 1985

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

XX
* S U R R Y 1 *
XX

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

REFUELING OUTAGE

LAST IE SITE INSPECTION DATE: NOVEMBER 5 - DECEMBER 2, 1985 +

INSPECTION REPORT NO: 50-280/85-36 +

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

NONE.

=====

1. Docket: 50-281 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: VIVIAN H. JONES (804) 357-3184

4. Licensed Thermal Power (MWT): 2441

5. Nameplate Rating (Gross MWe): 942 X 0.9 = 848

6. Design Electrical Rating (Net MWe): 788

7. Maximum Dependable Capacity (Gross MWe): 811

8. Maximum Dependable Capacity (Net MWe): 775

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>111,072.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>5,936.5</u>	<u>71,942.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>23.8</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>5,857.8</u>	<u>70,765.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,740,111</u>	<u>13,308,624</u>	<u>165,307,027</u>
18. Gross Elec Ener (MWH)	<u>572,275</u>	<u>4,297,830</u>	<u>53,583,304</u>
19. Net Elec Ener (MWH)	<u>543,137</u>	<u>4,072,445</u>	<u>50,788,887</u>
20. Unit Service Factor	<u>100.0</u>	<u>66.9</u>	<u>63.7</u>
21. Unit Avail Factor	<u>100.0</u>	<u>66.9</u>	<u>63.7</u>
22. Unit Cap Factor (MDC Net)	<u>94.2</u>	<u>60.0</u>	<u>59.0</u>
23. Unit Cap Factor (DER Net)	<u>92.6</u>	<u>59.0</u>	<u>58.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>13.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>17.9</u>	<u>7,931.8</u>

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

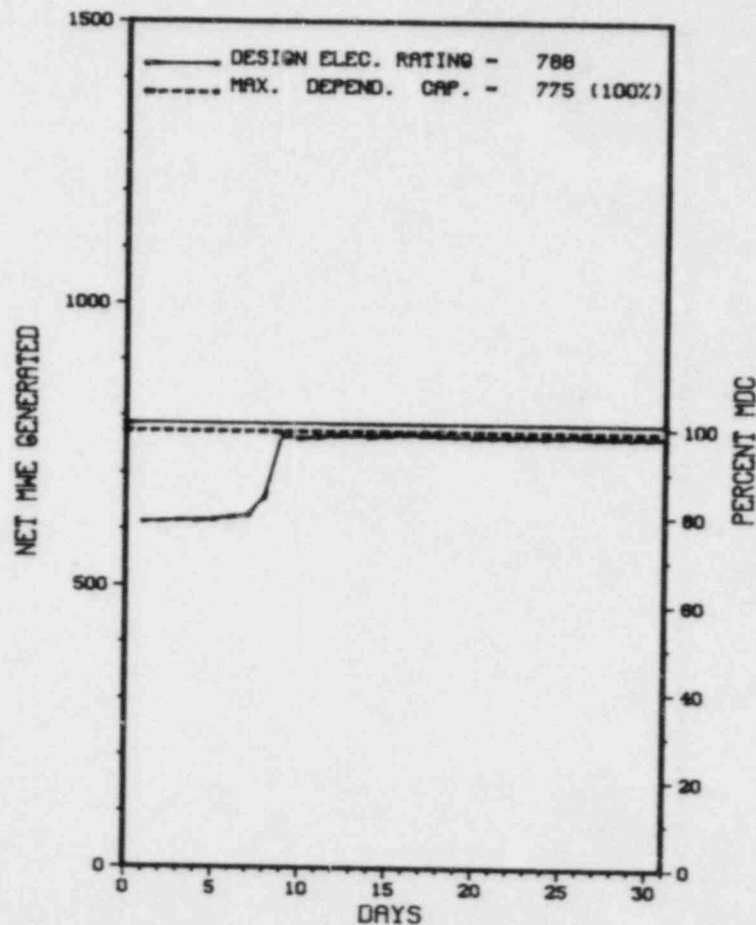
SNUBBER INSPECTION - MARCH 28, 1986 - 10 DAYS.

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

* S U R R Y 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SURRY 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* SURRY 2 *

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

NONE

* SUMMARY *

SURRY 2 OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES OR POWER REDUCTIONS REPORTED.

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

* SURRY 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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

CONTRACTOR
ARCHITECT/ENGINEER.....STONE & WEBSTER
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....STONE & WEBSTER
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....II
IE RESIDENT INSPECTOR.....D. BURKE
LICENSING PROJ MANAGER.....T. CHAN
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 NOVEMBER 5 - DECEMBER 2 (85-36): THIS INSPECTION INVOLVED 75 INSPECTOR-HOURS ON SITE IN THE AREAS OF PLANT OPERATIONS AND OPERATING RECORDS, PLANT MAINTENANCE AND SURVEILLANCE, PLANT SECURITY, FOLLOWUP OF EVENTS, LICENSEE ACTIONS ON PREVIOUS ENFORCEMENT ITEMS AND LICENSEE EVENT REPORTS (LERS). IN THE AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION NOVEMBER 18-22 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 20 INSPECTOR-HOURS ON SITE IN THE AREAS OF FIRE PROTECTION/PREVENTION AND FOLLOWUP ON PREVIOUSLY IDENTIFIED INSPECTION ITEMS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

1. Docket: 50-387 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: L. A. KUCZYNSKI (717) 542-3759

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>744.0</u>	<u>8,760.0</u>	<u>22,513.0</u>
13. Hours Reactor Critical	<u>689.0</u>	<u>5,598.5</u>	<u>15,993.1</u>
14. Rx Reserve Shtdwn Hrs	<u>55.0</u>	<u>239.2</u>	<u>671.1</u>
15. Hrs Generator On-Line	<u>678.4</u>	<u>5,471.9</u>	<u>15,620.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>2,131,678</u>	<u>16,958,349</u>	<u>47,580,273</u>
18. Gross Elec Ener (MWH)	<u>699,870</u>	<u>5,508,462</u>	<u>15,498,992</u>
19. Net Elec Ener (MWH)	<u>673,147</u>	<u>5,264,712</u>	<u>14,889,226</u>
20. Unit Service Factor	<u>91.2</u>	<u>62.5</u>	<u>69.4</u>
21. Unit Avail Factor	<u>91.2</u>	<u>62.5</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>87.7</u>	<u>58.2</u>	<u>64.1</u>
23. Unit Cap Factor (DER Net)	<u>85.0</u>	<u>56.4</u>	<u>62.1</u>
24. Unit Forced Outage Rate	<u>8.8</u>	<u>5.6</u>	<u>11.3</u>
25. Forced Outage Hours	<u>65.6</u>	<u>323.5</u>	<u>1,980.1</u>

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

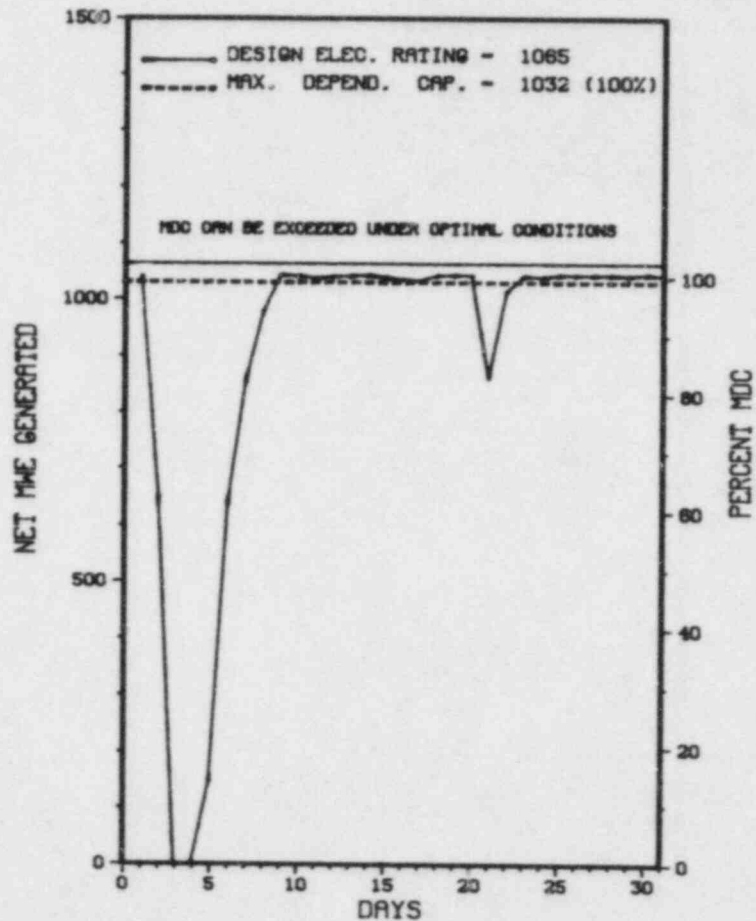
REFUELING OUTAGE; FEBRUARY 15, 1986; 84 DAYS.

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

 * SUSQUEHANNA 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
8	12/02/85	F	65.6	A	3	85-034	EB	RELAYX	ON DECEMBER 2, 1985 AT APPROXIMATELY 1504 A 'SUDDEN PRESSURE' RELAY ASSOCIATED WITH EMERGENCY SAFEGUARDS SYSTEM (ESS) TRANSFORMER 111 MISOPERATED. THIS CAUSED A TRIP OF ESS TRANSFORMER 111 WHICH NORMALLY SUPPLIES ESS BUSES 1C AND 2C.

 * SUMMARY *

 SUSQUEHANNA 1 INCURRED 1 SHUTDOWN IN DECEMBER AS DISCUSSED ABOVE.

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

* SUSQUEHANNA 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWIC, 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
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.

Report Period DEC 1985

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

* SUSQUEHANNA 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: 50-388 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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): 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>744.0</u>	<u>7,752.0</u>	<u>7,752.0</u>
13. Hours Reactor Critical	<u>617.8</u>	<u>7,121.2</u>	<u>7,121.2</u>
14. Rx Reserve Shtdwn Hrs	<u>126.2</u>	<u>560.3</u>	<u>560.3</u>
15. Hrs Generator On-line	<u>602.6</u>	<u>6,995.1</u>	<u>6,995.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,812,731</u>	<u>22,030,798</u>	<u>22,030,798</u>
18. Gross Elec Ener (MWH)	<u>598,734</u>	<u>7,212,800</u>	<u>7,212,800</u>
19. Net Elec Ener (MWH)	<u>575,292</u>	<u>6,954,310</u>	<u>6,954,310</u>
20. Unit Service Factor	<u>81.0</u>	<u>90.2</u>	<u>90.2</u>
21. Unit Avail Factor	<u>81.0</u>	<u>90.2</u>	<u>90.2</u>
22. Unit Cap Factor (MDC Net)	<u>74.9</u>	<u>86.7</u>	<u>86.9</u>
23. Unit Cap Factor (DER Net)	<u>72.6</u>	<u>84.2</u>	<u>84.2</u>
24. Unit Forced Outage Rate	<u>19.0</u>	<u>9.8</u>	<u>9.8</u>
25. Forced Outage Hours	<u>141.4</u>	<u>756.9</u>	<u>756.9</u>

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

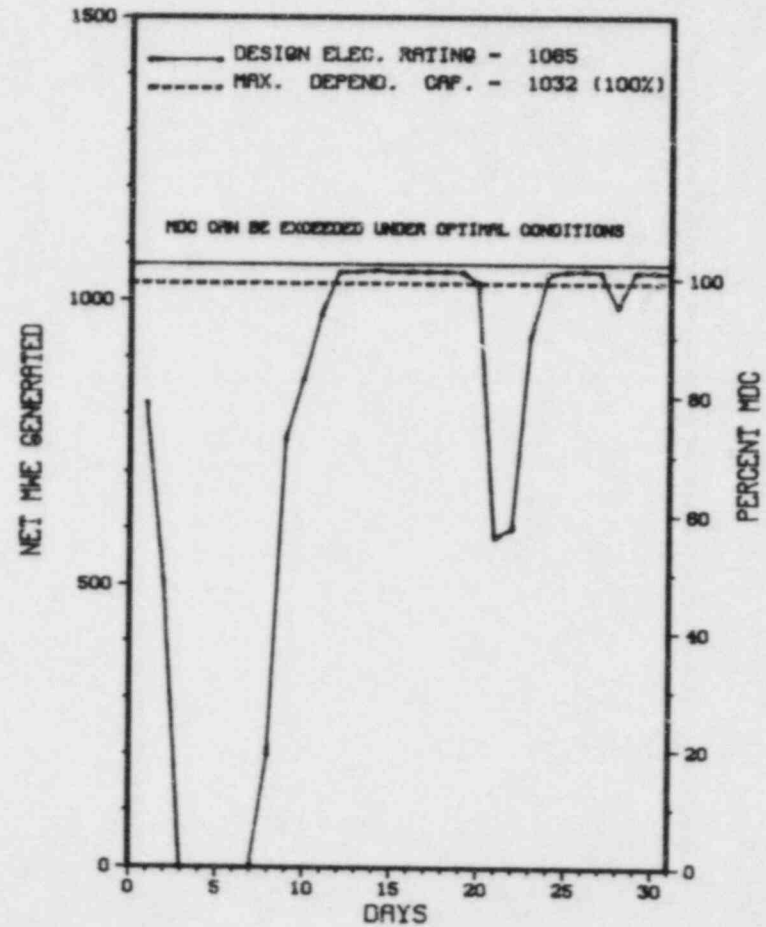
NONE

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

 * SUSQUEHANNA 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

SUSQUEHANNA 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * SUSQUEHANNA 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	12/02/85	F	141.4	A	3	50-387	EB	RELAYX	ON DECEMBER 2, 1985 AT APPROXIMATELY 1504 A 'SUDDEN PRESSURE' RELAY ASSOCIATED WITH EMERGENCY SAFEGUARDS SYSTEM (ESS) TRANSFORMER 111 MISOPERATED. THIS CAUSED A TRIP OF ESS TRANSFORMER 111 WHICH NORMALLY SUPPLIES ESS BUSES 1C AND 2C.
19	12/21/85	S	0.0	A	5		HC	PIPEXX	POWER WAS REDUCED FOR CONDENSER TUBE PLUGGING WORK IN ORDER TO MINIMIZE PERSONNEL EXPOSURE.

 * SUMMARY *

 SUSQUEHANNA 2 INCURRED 1 OUTAGE IN DECEMBER AS DESCRIBE ABOVE.

Type	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	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		

* SUSQUEHANNA 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....LUZERNE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...7 MI NE OF
BERWICK, PA
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...MAY 8, 1984
DATE ELEC ENER 1ST GENER...JULY 3, 1984
DATE COMMERCIAL OPERATE...FEBRUARY 12, 1985
CONDENSER COOLING METHOD...CC,HNDCT
CONDENSER COOLING WATER...SUSQUEHANNA RIVER
ELECTRIC RELIABILITY
COUNCIL.....MID-ATLANTIC
AREA COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....PENNSYLVANIA POWER & LIGHT
CORPORATE ADDRESS.....2 NORTH NINTH STREET
ALLENTOWN, PENNSYLVANIA 18101
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....I
IE RESIDENT INSPECTOR.....L. PLISCO
LICENSING PROJ MANAGER.....M. CAMPAGNONE
DOCKET NUMBER.....50-388
LICENSE & DATE ISSUANCE...NPF-22, JUNE 27, 1984
PUBLIC DOCUMENT ROOM.....

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

WILKES-BARRE, PENNSYLVANIA 18701

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 DEC 1985

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

XX
* SUSQUEHANNA 2 *
XX

OTHER ITEMS

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-289 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: C. W. SMYTH (717) 948-8551

4. Licensed Thermal Power (MWt): 2535

5. Nameplate Rating (Gross MWe): 968 X 0.9 = 871

6. Design Electrical Rating (Net MWe): 819

7. Maximum Dependable Capacity (Gross MWe): 840

8. Maximum Dependable Capacity (Net MWe): 776

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

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

11. Reasons for Restrictions, If Any: _____
NONE

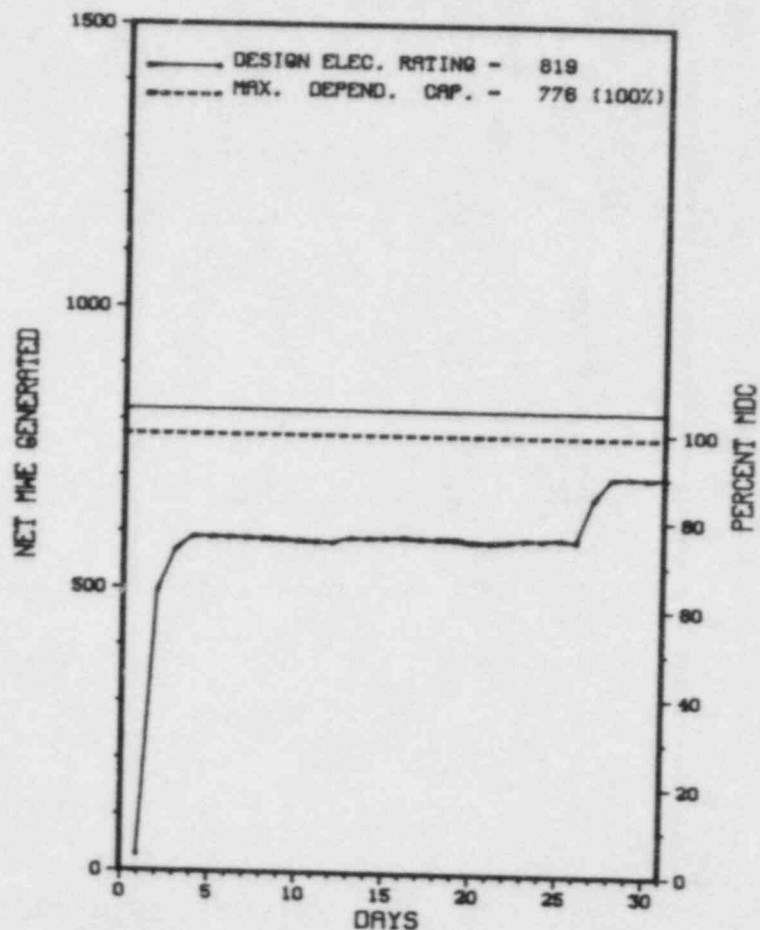
	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>99,337.0</u>
13. Hours Reactor Critical	<u>732.0</u>	<u>2,084.8</u>	<u>33,816.6</u>
14. Rx Reserve Shtdwn Hrs	<u>12.0</u>	<u>44.7</u>	<u>884.2</u>
15. Hrs Generator On-Line	<u>724.0</u>	<u>1,853.0</u>	<u>33,033.9</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,395,061</u>	<u>2,819,325</u>	<u>79,350,396</u>
18. Gross Elec Ener (MWH)	<u>470,424</u>	<u>907,823</u>	<u>26,392,153</u>
19. Net Elec Ener (MWH)	<u>435,838</u>	<u>811,660</u>	<u>24,651,713</u>
20. Unit Service Factor	<u>97.3</u>	<u>21.2</u>	<u>33.3</u>
21. Unit Avail Factor	<u>97.3</u>	<u>21.2</u>	<u>33.3</u>
22. Unit Cap Factor (MDC Net)	<u>75.5</u>	<u>11.9</u>	<u>31.7*</u>
23. Unit Cap Factor (DER Net)	<u>71.5</u>	<u>11.3</u>	<u>30.3</u>
24. Unit Forced Outage Rate	<u>2.7</u>	<u>78.7</u>	<u>64.1</u>
25. Forced Outage Hours	<u>20.0</u>	<u>6,859.0</u>	<u>58,768.5</u>

26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
EDDY CURRENT OUTAGE - MARCH 8, 1986; 44 DAYS.

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

* THREE MILE ISLAND 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT
THREE MILE ISLAND 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * THREE MILE ISLAND 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	12/01/85	F	20.0	A	3	85003	HA	CKTBRK	REACTOR TRIPPED ON HIGH RCS PRESSURE CAUSED BY TURBINE TRIP INITIATED BY OVER EXCITATION RELAY OPERATION. RELAY WAS REPLACED.

 * SUMMARY *

 THREE MILE ISLAND 1 INCURRED 1 SHUTDOWN IN DECEMBER AS DESCRIBED ABOVE.

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

* THREE MILE ISLAND 1 *

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

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....PENNSYLVANIA
COUNTY.....DAUPHIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...10 MI SE OF
HARRISBURG, PA
TYPE OF REACTOR.....PHR
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. THOMA
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

FAILURE TO CONDUCT A PROPER SEARCH OF AN ESCORTED INDIVIDUAL. FAILURE TO PROPERLY STORE OR REMOVE SCAFFOLDING CONTRARY TO TS 6.8.1 AND MAINTENANCE PROCEDURE 1401-18 RF. 0 6/3/85, ENCL 1, SECTION 3 (IN SAFETY RELATED AREAS. (8502 4)

OTHER ITEMS

SYSTEMS AND COMPONENTS:

NO INPUT PROVIDED.

Report Period DEC 1985

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

* T H R E E M I L E I S L A N D 1 *

OTHER ITEMS

FACILITY ITEMS (PLANS AND PROCEDURES):

NO INPUT PROVIDED.

MANAGERIAL ITEMS:

NO INPUT PROVIDED.

PLANT STATUS:

NO INPUT PROVIDED.

LAST IE SITE INSPECTION DATE: NO INPUT PROVIDED.

INSPECTION REPORT NO: NO INPUT PROVIDED.

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

=====

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

=====

1. Docket: 50-344 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: G. ZIMMERMAN (503) 226-8119

4. Licensed Thermal Power (MWh): 3411

5. Nameplate Rating (Gross MWe): 1280 X 0.95 = 1216

6. Design Electrical Rating (Net MWe): 1130

7. Maximum Dependable Capacity (Gross MWe): 1122

8. Maximum Dependable Capacity (Net MWe): 1080

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

NONE

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

11. Reasons for Restrictions, If Any:

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>81,816.0</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>6,804.7</u>	<u>50,550.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,875.4</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>6,718.7</u>	<u>49,054.3</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>3,237.0</u>
17. Gross Therm Ener (MWH)	<u>2,537,176</u>	<u>22,544,421</u>	<u>156,530,583</u>
18. Gross Elec Ener (MWH)	<u>821,597</u>	<u>7,262,536</u>	<u>50,818,316</u>
19. Net Elec Ener (MWH)	<u>783,084</u>	<u>6,910,774</u>	<u>48,061,274</u>
20. Unit Service Factor	<u>100.0</u>	<u>76.7</u>	<u>60.0</u>
21. Unit Avail Factor	<u>100.0</u>	<u>76.7</u>	<u>63.9</u>
22. Unit Cap Factor (MDC Net)	<u>97.5</u>	<u>73.0</u>	<u>54.4</u>
23. Unit Cap Factor (DER Net)	<u>93.1</u>	<u>69.8</u>	<u>52.0</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>4.1</u>	<u>15.5</u>
25. Forced Outage Hours	<u>.0</u>	<u>287.8</u>	<u>9,010.4</u>

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

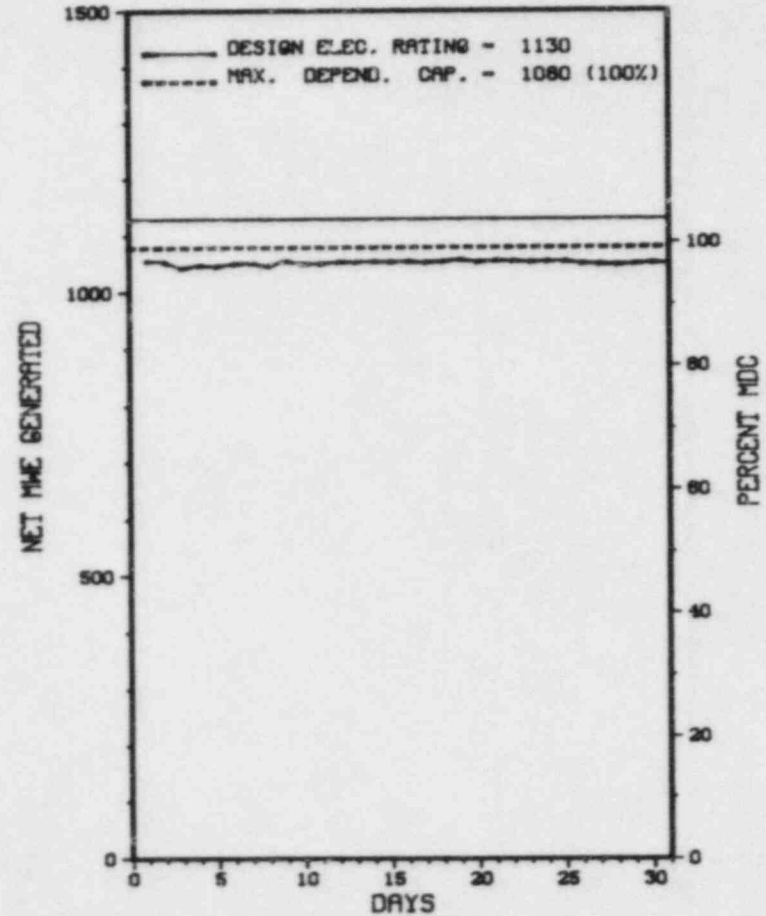
CYCLE 8/9 REFUELING OUTAGE: APRIL 28, 1986.

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

* TROJAN *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TROJAN



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* TROJAN *

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

NONE

* SUMMARY *

TROJAN OPERATED ROUTINELY IN DECEMBER WITH NO OUTAGES OR POWER REDUCTION REPORTED.

<u>Type</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	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 DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

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
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.....K. JOHNSTON
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 DECEMBER 2-13, 1985 (REPORT NO. 50-344/85-33) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON NOVEMBER 1, 1984 - JANUARY 22, 1986 (REPORT NO. 50-344/85-35) YEARLY SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE.
- + INSPECTION ON OCTOBER 30-31, 1985 (REPORT NO. 50-344/85-38) HEADQUARTERS INSPECTION REPORT; TO BE SUBMITTED BY HEADQUARTERS.
- + INSPECTION ON NOVEMBER 17, 1985 - JANUARY 3, 1986 (REPORT NO. 50-344/85-39) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.
- + INSPECTION ON DECEMBER 9-13, 1985 (REPORT NO. 50-344/85-40) AREAS INSPECTED: ROUTINE, UNANNOUNCED INSPECTION OF THE TESTS AND EXPERIMENTS PROGRAM, ONSITE REVIEW COMMITTEE, CONTAINMENT LEAK RATE TEST RESULTS EVALUATION, AND FOLLOWUP CLOSURE OF OPEN ITEMS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 38 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR.

RESULTS: NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE IDENTIFIED.

Report Period DEC 1985

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

* TROJAN *

ENFORCEMENT SUMMARY

10 CFR 50.59, PARAGRAPH (B) REQUIRES IN PART THAT CHANGES TO THE FACILITY AS DESCRIBED IN THE SAFETY ANALYSIS REPORT INCLUDE A WRITTEN SAFETY EVALUATION WHICH PROVIDES THE BASES FOR THE DETERMINATION THAT THE CHANGE DOES NOT INVOLVE AN UNREVIEWED SAFETY QUESTION. CONTRARY TO THE REQUIREMENT, ON OCTOBER 3, 1985, TWO HELIUM GAS BOTTLES WERE OBSERVED STRAPPED TO THE SEISMIC CATEGORY I SUPPLY AND RETURN LINES OF THE 'B' TRAIN CONTAINMENT HYDROGEN ANALYZER WITHOUT A SUPPORTING SAFETY EVALUATION HAVING BEEN PERFORMED. SECTION 6.8.1 OF TECHNICAL SPECIFICATIONS REQUIRES WRITTEN PROCEDURES BE ESTABLISHED, IMPLEMENTED, AND MAINTAINED. CONTRARY TO THE REQUIREMENT, POWER RANGE SET POINT TEST DATA PER PICT 11-1 WAS NOT OBTAINED CORRECTLY, AND PER SEVERAL OTHER PICTS; TEST EQUIPMENT TYPE WAS NOT OBTAINED.
(8503 4)

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

+ APPROXIMATE PRIMARY TO SECONDARY LEAK OF 140 GALLONS PER DAY.

FACILITY ITEMS (PLANS AND PROCEDURES):

+ NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

100% POWER

LAST IE SITE INSPECTION DATE: 11/01/84-01/22/86

INSPECTION REPORT NO: 50-344/85-35

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

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-12-L0	09-24-85	10-21-85	REACTOR TRIP FROM PERSONNEL ERROR CAUSING LOSS OF MAIN FEEDWATER PUMP SUCTION
85-13-L0	- -	01-07-86	HIGH FAILURE RATES DURING SNUBBER INSERVICE TESTING

1. Docket: 50-250 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>114,609.6</u>
13. Hours Reactor Critical	<u>644.6</u>	<u>5,405.0</u>	<u>80,796.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>844.3</u>
15. Hrs Generator On-Line	<u>633.7</u>	<u>5,227.7</u>	<u>78,407.0</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>121.8</u>
17. Gross Therm Ener (MWH)	<u>1,302,579</u>	<u>11,076,010</u>	<u>162,205,521</u>
18. Gross Elec Ener (MWH)	<u>428,480</u>	<u>3,615,850</u>	<u>51,871,545</u>
19. Net Elec Ener (MWH)	<u>405,808</u>	<u>3,412,375</u>	<u>49,109,581</u>
20. Unit Service Factor	<u>85.2</u>	<u>59.7</u>	<u>68.4</u>
21. Unit Avail Factor	<u>85.2</u>	<u>59.7</u>	<u>68.5</u>
22. Unit Cap Factor (MDC Net)	<u>81.9</u>	<u>58.5</u>	<u>65.9*</u>
23. Unit Cap Factor (DER Net)	<u>78.7</u>	<u>56.2</u>	<u>61.8</u>
24. Unit Forced Outage Rate	<u>14.8</u>	<u>14.6</u>	<u>6.6</u>
25. Forced Outage Hours	<u>110.3</u>	<u>896.2</u>	<u>5,034.8</u>

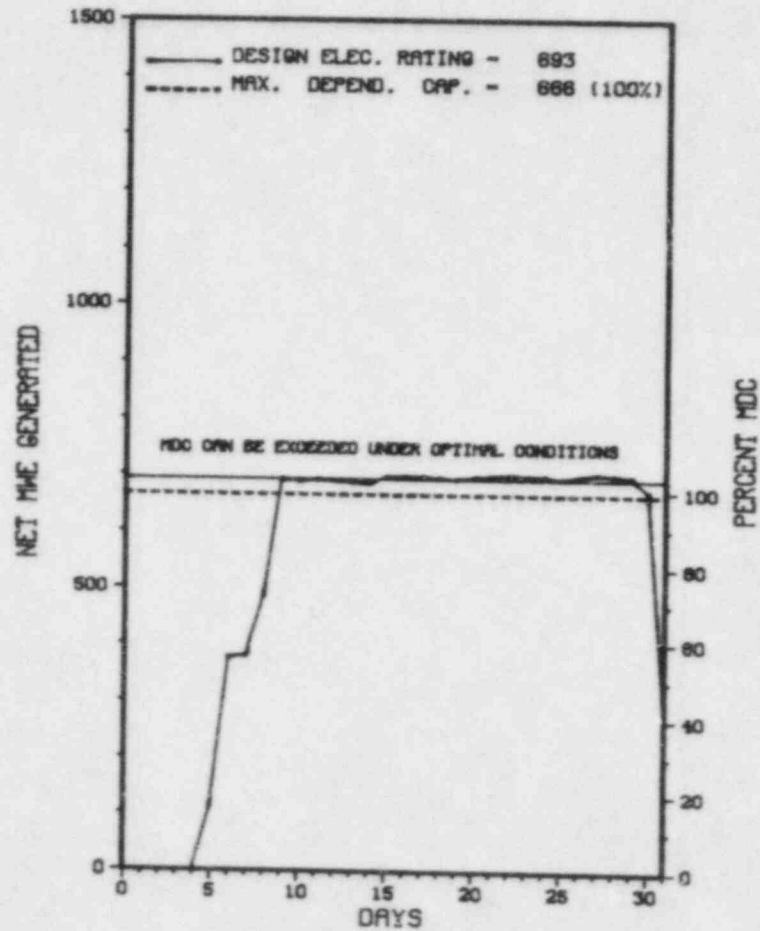
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* TURKEY POINT 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 3



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * TURKEY POINT 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
19	11/30/85	F	110.3	B	4		ZZ	VALVEX	UNIT #3 SHUTDOWN TO INSPECT MOTOR OPERATED VALVES GREASE AND CHANGE THE GREASE WHERE UNCERTAINTIES EXISTED. OTHER INSPECTIONS OF THE MOV'S TO ENSURE COMPLIANCE WITH THE TESTED CONFIGURATION WERE CONDUCTED. THE UNIT THEN RETURNED TO FULL POWER OPERATION.
20	12/05/85	F	0.0	A	5		HH	PUMPXX	UNIT 3 OPERATED AT REDUCED POWER IN ORDER TO REPAIR A STEAM GENERATOR FEED PUMP THRUST BEARING. THE UNIT THEN RETURNED TO FULL POWER OPERATION.
21	12/30/85	F	0.0	A	5	250-85-44	ZZ	ZZZZZZ	A FAILED ROD POSITION INDICATION (RPI) CAUSED A UNIT RUNBACK. THE UNIT THEN OPERATED AT REDUCED POWER TO REPAIR A STEAM GENERATOR FEED PUMP OIL PUMP. THE RPI REPAIR WAS POSTPONED UNTIL A JANUARY 1986 OUTAGE.
22	12/31/85	F	0.0	A	5		HH	HTEXCH	THE UNIT OPERATED AT 50% POWER TO REPAIR FOUR LEAKING CONDENSER TUBES. THE UNIT THEN RETURNED TO FULL POWER OPERATION.

 * SUMMARY *

 TURKEY POINT 2 REPORTED 1 OUTAGE AND 3 POWER REDUCTIONS IN DECEMBER AS DISCUSSED ABOVE.

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

* TURKEY POINT 3 *

FACILITY DATA

Report Period DEC 1985

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. PEBLES
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 OCTOBER 28 - NOVEMBER 1 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS; PROCUREMENT; AND RECEIPT, STORAGE, AND HANDLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 15 - NOVEMBER 12 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 103 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 21 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, AND PLANT EVENTS. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 4.5.2.B.3.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* TURKEY POINT 3 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: OCTOBER 15 - NOVEMBER 12, 1985 +

INSPECTION REPORT NO: 50-250/85-37 +

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: 50-251 OPERATING STATUS

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>108,337.0</u>
13. Hours Reactor Critical	<u>730.1</u>	<u>7,916.8</u>	<u>77,635.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>166.6</u>
15. Hrs Generator On-Line	<u>717.7</u>	<u>7,855.0</u>	<u>75,102.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>31.2</u>
17. Gross Therm Ener (MWH)	<u>1,565,959</u>	<u>16,907,623</u>	<u>159,046,729</u>
18. Gross Elec Ener (MWH)	<u>512,205</u>	<u>5,450,175</u>	<u>50,642,632</u>
19. Net Elec Ener (MWH)	<u>487,776</u>	<u>5,177,927</u>	<u>47,964,257</u>
20. Unit Service Factor	<u>96.5</u>	<u>89.7</u>	<u>69.3</u>
21. Unit Avail Factor	<u>96.5</u>	<u>89.7</u>	<u>69.4</u>
22. Unit Cap Factor (MDC Net)	<u>98.4</u>	<u>88.8</u>	<u>68.1*</u>
23. Unit Cap Factor (DER Net)	<u>94.6</u>	<u>85.3</u>	<u>63.9</u>
24. Unit Forced Outage Rate	<u>3.5</u>	<u>9.1</u>	<u>6.5</u>
25. Forced Outage Hours	<u>26.3</u>	<u>786.6</u>	<u>4,824.7</u>

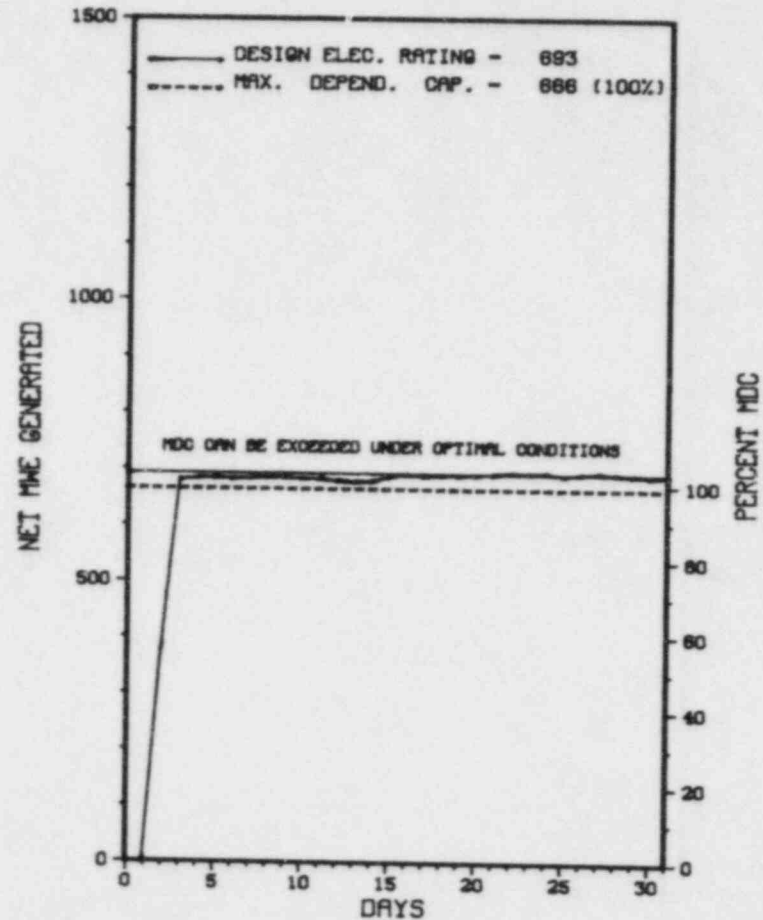
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* TURKEY POINT 4 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

TURKEY POINT 4



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* TURKEY POINT 4 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
22	11/23/85	F	26.3	B	4		ZZ	ZZZZZZ	UNIT #4 SHUTDOWN TO INSPECT MOTOR OPERATED VALVES GREASE AND CHANGE THE GREASE WHERE UNCERTAINTIES EXISTED. OTHER INSPECTIONS OF THE MOV'S TO ENSURE COMPLIANCE WITH THE TESTED CONFIGURATION WERE CONDUCTED. THE UNIT THEN RETURNED TO FULL POWER OPERATION.

* SUMMARY *

TURKEY POINT 4 INCURRED 1 OUTAGE IN DECEMBER AS DISCUSSED ABOVE.

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

* TURKEY POINT 4 *

FACILITY DATA

Report Period DEC 1985

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. PEBBLES
LICENSING PROJ MANAGER.....D. MCDONALD
DOCKET NUMBER.....50-251
LICENSE & DATE ISSUANCE...DPR-41, APRIL 10, 1973
PUBLIC DOCUMENT ROOM.....ENVIRONMENTAL AND URBAN AFFAIRS LIBRARY
FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA 33199

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

INSPECTION SUMMARY

+ INSPECTION OCTOBER 28 - NOVEMBER 1 (85-36): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 16 INSPECTOR-HOURS ON SITE IN THE AREAS OF PREVIOUS ENFORCEMENT MATTERS; PROCUREMENT; AND RECEIPT, STORAGE, AND HANDLING. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION OCTOBER 15 - NOVEMBER 12 (85-37): THIS ROUTINE, UNANNOUNCED INSPECTION ENTAILED 102 DIRECT INSPECTION HOURS AT THE SITE, INCLUDING 22 HOURS ON BACKSHIFT, IN THE AREAS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS, ANNUAL AND MONTHLY SURVEILLANCE, MAINTENANCE OBSERVATIONS AND REVIEWS, OPERATIONAL SAFETY, ENGINEERED SAFETY FEATURES WALKDOWN, AND PLANT EVENTS. VIOLATION - FAILURE TO MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION (TS) 4.5.2.B.3.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

Report Period DEC 1985

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

* TURKEY POINT 4 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE.

MANAGERIAL ITEMS:

PEP IN PROGRESS.

PLANT STATUS:

NORMAL OPERATIONS.

LAST IE SITE INSPECTION DATE: OCTOBER 15 - NOVEMBER 12, 1985 +

INSPECTION REPORT NO: 50-251/85-37 +

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: 50-271 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

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>744.0</u>	<u>8,760.0</u>	<u>116,402.8</u>
13. Hours Reactor Critical	<u>.0</u>	<u>6,297.2</u>	<u>93,110.9</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>6,288.3</u>	<u>90,718.2</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>9,550,619</u>	<u>132,109,618</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>3,166,154</u>	<u>43,955,902</u>
19. Net Elec Ener (MWH)	<u>0</u>	<u>2,999,402</u>	<u>41,700,250</u>
20. Unit Service Factor	<u>.0</u>	<u>71.8</u>	<u>77.9</u>
21. Unit Avail Factor	<u>.0</u>	<u>71.8</u>	<u>77.9</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>67.9</u>	<u>71.1</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>66.6</u>	<u>69.7</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.3</u>	<u>6.9</u>
25. Forced Outage Hours	<u>.0</u>	<u>20.4</u>	<u>5,466.6</u>

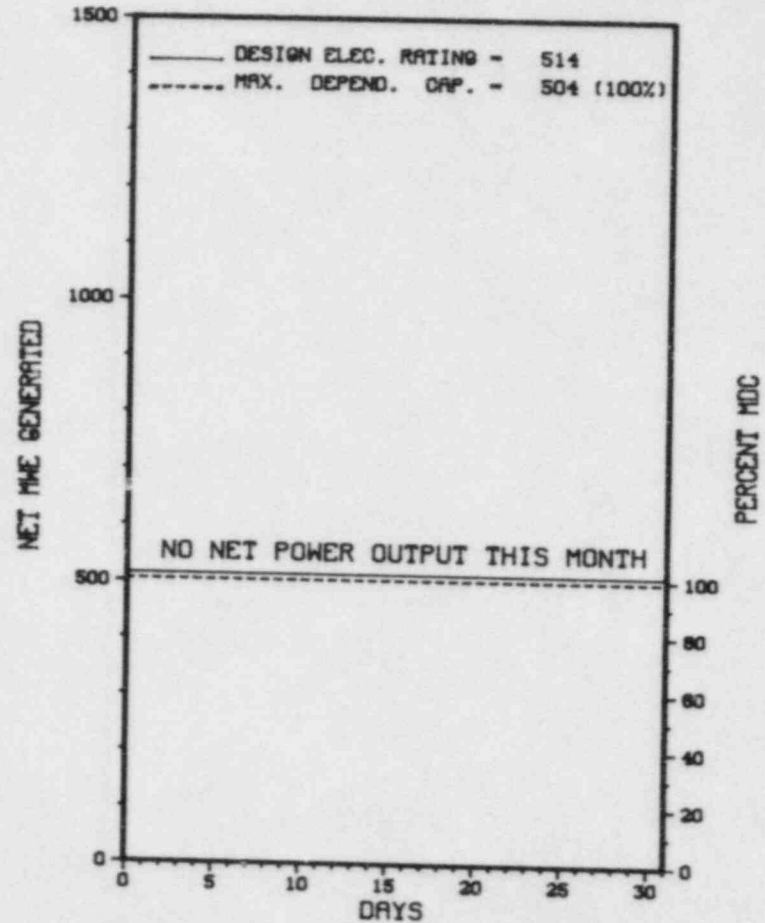
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
NONE

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

* V E R M O N T Y A N K E E 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

VERMONT YANKEE 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * VERMONT YANKEE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-14	09/21/85	S	744.0	C	4		RC	FUELXX	1985 REFUELING/MAINTENANCE/RECIRC PIPE REPLACEMENT OUTAGE IN PROGRESS.

 * SUMMARY *

 VERMONT YANKEE REMAINS SHUTDOWN FOR REFUELING, MAINTENANCE, AND RECIRCULATING PIPING REPLACEMENT.

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

* VERMONT YANKEE 1 *

FACILITY DATA

Report Period DEC 1985

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

INCOMPLETE ALARM LOG REQUIREMENTS. UNAUTHORIZED OBSERVATION OF CAS ACTIVITIES. SAS MONITORING WEAKNESS.
(8501 4)

10 CFR 50, APPENDIX B, CRITERION XVI, CORRECTIVE ACTIONS, REQUIRES THAT MEASURES BE ESTABLISHED TO IDENTIFY AND CORRECT CONDITIONS ADVERSE TO QUALITY. SECTION XVI.C.1.A OF THE OPERATIONAL QUALITY ASSURANCE PROGRAM, YOQAP-I-A, IMPLEMENTS THE REQUIREMENTS OF 10 CFR 50, APPENDIX B AND REQUIRES THE LICENSEE TO IMPLEMENT CORRECTIVE ACTIONS TO PRECLUDE RECURRENCE OF A CONDITION THAT IS ADVERSE TO QUALITY. CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO IMPLEMENT CORRECTIVE ACTIONS TO PRECLUDE RECURRENCE OF DEFICIENCIES IN THE ONSITE QC PEER INSPECTION PROGRAM. DEFICIENCIES IN THE PEER INSPECTION PROGRAM WERE IDENTIFIED IN ITEM A OF THE NOTICE OF VIOLATION TRANSMITTED TO THE LICENSEE IN NRC REGION I INSPECTION REPORT 83-22 DATED SEPTEMBER 30, 1983. BY LETTERS FVY 83-114 DATED OCTOBER 26, 1983 AND FVY 84-42 DATED MAY 1, 1984, THE LICENSEE REPORTED THAT CORRECTIVE ACTIONS WOULD BE TAKEN BY NOVEMBER 1, 1984 TO ASSURE THE PROPER PERFORMANCE AND DOCUMENTATION OF QC INSPECTION OF MAINTENANCE ACTIVITIES COMPLETED UNDER PROCEDURE AP 0021. A LICENSEE AUDIT COMPLETED IN MARCH 1985 (OQA AUDIT REPORT 85-11, DATED APRIL 5, 1985) IDENTIFIED SEVERAL DEFICIENCIES IN THE ONSITE PEER INSPECTION PROCESS. DEFICIENCY ITEMS 1 THROUGH 4 OF AUDIT 85-11 REPRESENT A RECURRENCE OF NRC IDENTIFIED

ENFORCEMENT SUMMARY

DEFICIENCIES THAT RESULTED IN THE ABOVE VIOLATION.
(8502 4)

TECHNICAL SPECIFICATION 6.5.A REQUIRES THAT DETAILED WRITTEN SURVEILLANCE PROCEDURES BE PREPARED, IMPLEMENTED AND FOLLOWED. PROCEDURE OP 4382 WAS WRITTEN PURSUANT TO THE ABOVE AND REQUIRES TEST PERSONNEL TO VERIFY THAT THE RECORDER FOR STACK GAS CHANNEL I MEETS THE ACCEPTANCE CRITERIA OF 2% ACCURACY AT FULL SCALE OUTPUT DURING QUARTERLY CALIBRATION CHECKS. CONTRARY TO THE ABOVE, DURING CALIBRATION CHECKS ON STACK GAS CHANNEL I ON FEBRUARY 4 AND APRIL 30, 1985 THE STACK GAS RECORDER DID NOT MEET THE ACCEPTANCE CRITERIA OF 2% ACCURACY IN THAT IT INDICATED 9.0×10^5 COUNTS PER MINUTE WHEN AN OUTPUT VALUE OF 1.0×10^6 CPM WAS REQUIRED. FURTHER, TECHNICIANS AND SUPERVISORY PERSONNEL WHO REVIEWED THE COMPLETED TESTS FAILED TO DETECT THE DISCREPANT TEST RESULTS AND INITIATE CORRECTIVE ACTIONS.
(8502 5)

FAILURE TO POSITIVELY CONTROL ACCESS TO THE PROTECTED AREA AND FAILURE TO IMPLEMENT ADEQUATE COMPENSATORY MEASURES FOR INOPERATIVE PROTECTED AREA ALARMS.

(8503 3)

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: 50-397 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: LEONARD HUTCHISON (509) 377-2501 X2486

4. Licensed Thermal Power (Mwt): 3323

5. Nameplate Rating (Gross MWe): 1201

6. Design Electrical Rating (Net MWe): 1100

7. Maximum Dependable Capacity (Gross MWe): 1140

8. Maximum Dependable Capacity (Net MWe): 1095

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

10. Power Level To Which Restricted, If Any (Net MWe): 775

11. Reasons for Restrictions, If Any: _____

"B" RRC PUMP INOPERABLE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>9,200.2</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>6,899.7</u>	<u>7,316.2</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>1,029.9</u>	<u>1,029.9</u>
15. Hrs Generator On-Line	<u>730.4</u>	<u>6,628.0</u>	<u>7,026.5</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>1,046.9</u>	<u>1,046.9</u>
17. Gross Therm Ener (MWH)	<u>1,711,125</u>	<u>16,350,652</u>	<u>17,564,280</u>
18. Gross Elec Ener (MWH)	<u>557,090</u>	<u>5,396,320</u>	<u>5,823,250</u>
19. Net Elec Ener (MWH)	<u>536,309</u>	<u>5,176,387</u>	<u>5,586,773</u>
20. Unit Service Factor	<u>98.2</u>	<u>75.7</u>	<u>76.4</u>
21. Unit Avail Factor	<u>98.2</u>	<u>87.6</u>	<u>87.8</u>
22. Unit Cap Factor (MDC Net)	<u>65.8</u>	<u>53.7</u>	<u>55.5</u>
23. Unit Cap Factor (DER Net)	<u>65.5</u>	<u>53.7</u>	<u>55.2</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>10.1</u>	<u>10.0</u>
25. Forced Outage Hours	<u>.0</u>	<u>743.3</u>	<u>785.0</u>

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

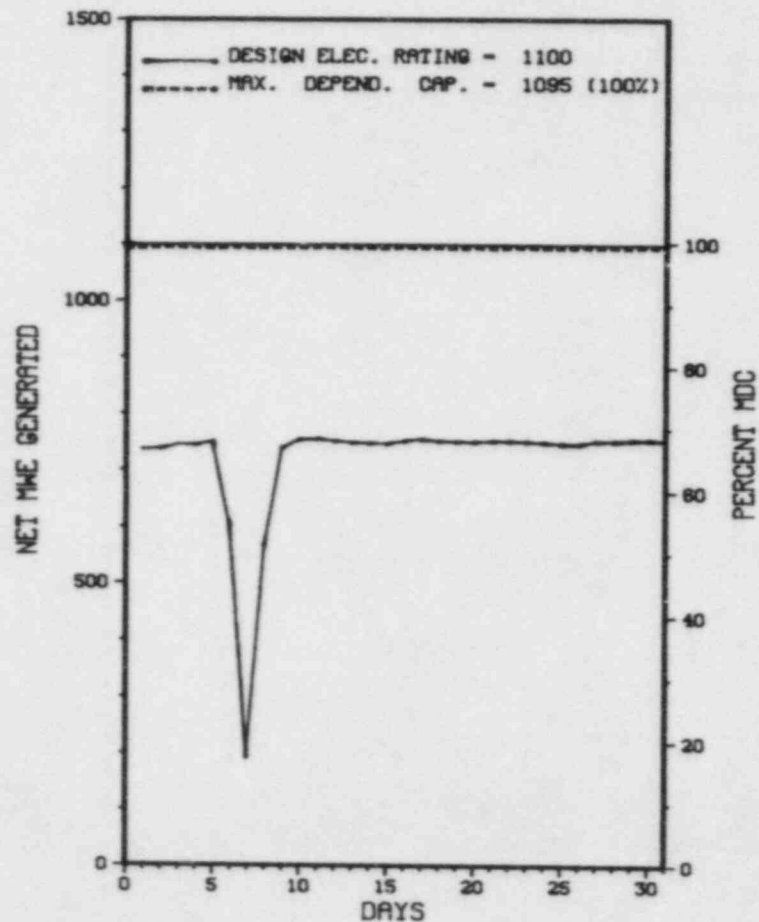
REFUELING & MAINT. OUTAGE: 4/15/86 FOR 60 DAYS.

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

 * WASHINGTON NUCLEAR 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WASHINGTON NUCLEAR 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * WASHINGTON NUCLEAR 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-02F	07/01/85	F	0.0	A	5		CB	PUMPXX	POWER OUTPUT LIMITED TO 72% DUE TO INOPERABILITY OF "B" RRC PUMP.
85-18	12/06/85	S	13.6	B	1		CB	PUMPXX	REACTOR POWER WAS REDUCED AND GENERATOR TAKEN OFF LINE DURING THE DRYWELL ENTRY FOR INSTALLING A POWER SUPPLY TO RRC PUMP VIBRATION TEST INSTRUMENTATION.

 * SUMMARY *

 WNP-2 OPERATED ROUTINELY IN DECEMBER.

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

* WASHINGTON NUCLEAR 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....WASHINGTON
COUNTY.....BENTON
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...12 MI. NW OF
RICHLAND, WASH.
TYPE OF REACTOR.....BWR
DATE INITIAL CRITICALITY...JANUARY 19, 1984
DATE ELEC ENER 1ST GENER...MAY 27, 1984
DATE COMMERCIAL OPERATE...DECEMBER 13, 1984
CONDENSER COOLING METHOD...COOLING TOWERS
CONDENSER COOLING WATER...MECHANICAL TOWERS
ELECTRIC RELIABILITY
COUNCIL.....WESTERN SYSTEMS
COORDINATING COUNCIL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....WASHINGTON PUBLIC POWER SUPPLY SYSTEM
CORPORATE ADDRESS.....P.O. BOX 968
RICHLAND, WASHINGTON 99352
CONTRACTOR
ARCHITECT/ENGINEER.....BURNS & ROE
NUC STEAM SYS SUPPLIER...GENERAL ELECTRIC
CONSTRUCTOR.....BECHTEL
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....V
IE RESIDENT INSPECTOR.....A. TOTH
LICENSING PROJ MANAGER.....J. BRADFUTE
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 NOVEMBER 4-27, 1985 (REPORT NO. 50-397/85-37) AREAS INSPECTED: ROUTINE INSPECTION BY THE RESIDENT INSPECTORS OF CONTROL ROOM OPERATIONS, ENGINEERED SAFETY FEATURE (ESF) STATUS, SURVEILLANCE PROGRAM, MAINTENANCE PROGRAM, LICENSEE EVENT REPORTS, SPECIAL INSPECTION TOPICS, AND LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS. DURING THIS INSPECTION, VARIOUS INSPECTION PROCEDURES WERE UTILIZED. THE INSPECTION INVOLVED 116 INSPECTOR-HOURS ONSITE BY TWO RESIDENT NRC INSPECTORS.

RESULTS: OF EIGHT AREAS INSPECTED, A VIOLATION WAS IDENTIFIED IN THE SURVEILLANCE PROGRAM, I.E. FAILURE TO FOLLOW ADMINISTRATIVE PROCEDURES FOR CONTROL OF LOCKS ON SECURED VALVES.

+ INSPECTION ON DECEMBER 2, 1985 - JANUARY 4, 1986 (REPORT NO. 50-397/85-38) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

+ INSPECTION ON DECEMBER 16-20, 1985 (REPORT NO. 50-397/85-39) REPORT CANCELLED.

ENFORCEMENT SUMMARY

NONE

Report Period DEC 1985

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

* WASHINGTON NUCLEAR 2 *

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

"B" RECIRCULATION PUMP OUT OF SERVICE BECAUSE OF VIBRATION.

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

+ THE PLANT OPERATED AT 72% WITH ONE RECIRCULATION LOOP IN SERVICE DURING THE MONTH OF DECEMBER, 1985. THE OTHER RECIRCULATION PUMP IS STOPPED BECAUSE OF VIBRATION EXPERIENCED EARLIER. BASED UPON A TEST RUN OF THE PUMP IN EARLY DECEMBER, SINGLE-LOOP OPERATION IS EXPECTED TO CONTINUE UNTIL THE APRIL 1986 REFUELING OUTAGE.

LAST IE SITE INSPECTION DATE: 12/02/85-01/04/86+

INSPECTION REPORT NO: 50-397/85-38+

REPORTS FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-23-L2	- -	- -	TRAY COVER INSTALLATION DEFERRED; WYLIE LAB TESTS UNDERWAY AS BASIS NRR REVIEW NEEDED

1. Docket: 50-382 OPERATING STATUS
 2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0
 3. Utility Contact: GEORGE MILLER (504) 467-8211
 4. Licensed Thermal Power (Mwt): 3410
 5. Nameplate Rating (Gross MWe): 1153
 6. Design Electrical Rating (Net MWe): 1104
 7. Maximum Dependable Capacity (Gross MWe): 1104
 8. Maximum Dependable Capacity (Net MWe): 1104
 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>744.0</u>	<u>2,377.0</u>	<u>2,377.0</u>
13. Hours Reactor Critical	<u>462.1</u>	<u>1,868.7</u>	<u>1,868.7</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Hrs Generator On-Line	<u>451.3</u>	<u>1,801.8</u>	<u>1,801.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>1,423,475</u>	<u>5,642,439</u>	<u>5,642,439</u>
18. Gross Elec Ener (MWH)	<u>478,270</u>	<u>1,897,850</u>	<u>1,897,850</u>
19. Net Elec Ener (MWH)	<u>450,694</u>	<u>1,805,153</u>	<u>1,805,153</u>
20. Unit Service Factor	<u>60.7</u>	<u>75.8</u>	<u>75.8</u>
21. Unit Avail Factor	<u>60.7</u>	<u>75.8</u>	<u>75.8</u>
22. Unit Cap Factor (MDC Net)	<u>54.9</u>	<u>68.8</u>	<u>68.8</u>
23. Unit Cap Factor (DER Net)	<u>54.9</u>	<u>68.8</u>	<u>68.8</u>
24. Unit Forced Outage Rate	<u>39.3</u>	<u>23.9</u>	<u>23.9</u>
25. Forced Outage Hours	<u>292.7</u>	<u>564.8</u>	<u>564.8</u>

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

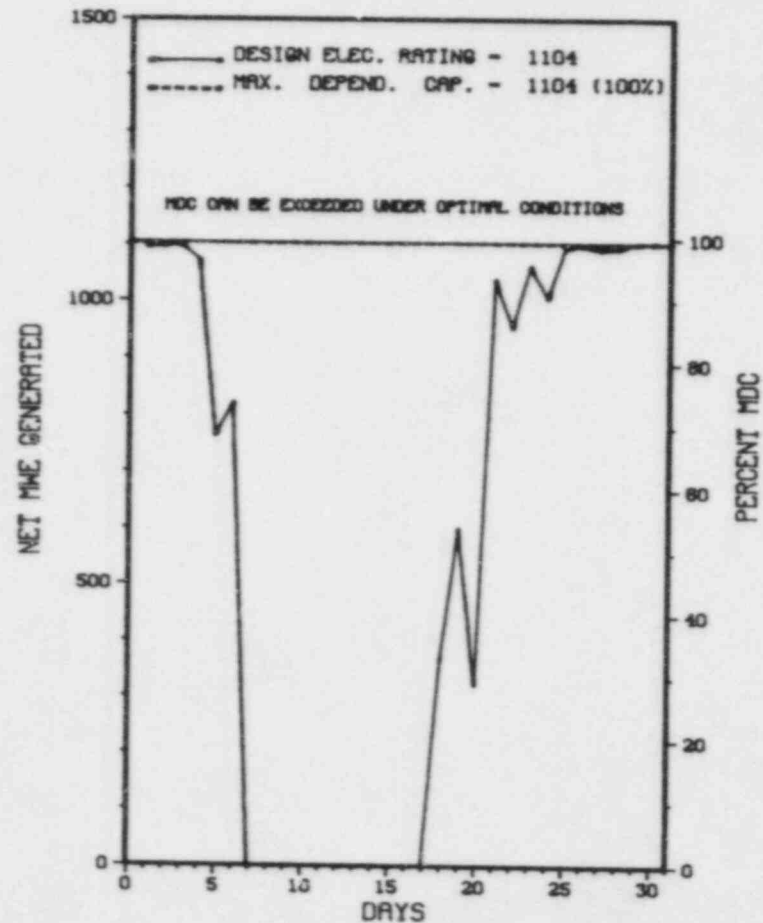
TECH. SPEC. SURV. - 3/86 - 1 MONTH.

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

 * WATERFORD 3 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WATERFORD 3



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * WATERFORD 3 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-023	12/04/85		0.0	B	5				POWER REDUCTION TO 70% TO PERFORM CONTROL ELEMENT ASSEMBLY EXERCISING REQUIRED BY TECHNICAL SPECIFICATIONS.
85-024	12/06/85	F	276.3	G	3	85-051	JC	SEALXX	AT 100% POWER, A REACTOR TRIP OCCURRED ON LOW DNBR WHEN AN INCORRECT VALUE WAS ENTERED FOR AN ADDRESSABLE CONSTANT IN THE CORE PROTECTION CALCULATORS. THE UNIT REMAINED SHUTDOWN TO REPLACE REACTOR COOLANT PUMP SEALS.
85-025	12/19/85	F	16.4	G	3	85-056	SG	ZZZZZ	AT 100% POWER, A REACTOR TRIP OCCURRED ON LOW STEAM GENERATOR LEVEL RESULTING FROM A FEEDWATER PUMP TRIP DUE TO AN OPERATOR ERROR WHILE ISOLATING THE CONDENSER WATER BOX.

 * SUMMARY *

 WATERFORD 3 INCURRED 2 SHUTDOWNS IN DECEMBER AS DESCRIBED ABOVE.

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

* WATERFORD 3 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....LOUISIANA
COUNTY.....ST CHARLES
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...20 MI W OF
NEW ORLEANS, LA
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MARCH 4, 1985
DATE ELEC ENER 1ST GENER...MARCH 18, 1985
DATE COMMERCIAL OPERATE... SEPTEMBER 24, 1985
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...MISSISSIPPI RIVER
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....LOUISIANA POWER & LIGHT
CORPORATE ADDRESS.....142 DELARONDE STREET
NEW ORLEANS, LOUISIANA 70174
CONTRACTOR
ARCHITECT/ENGINEER.....EBASCO
NUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING
CONSTRUCTOR.....EBASCO
TURBINE SUPPLIER.....WESTINGHOUSE

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....J. LUEHMAN
LICENSING PROJ MANAGER.....J. WILSON
DOCKET NUMBER.....50-382
LICENSE & DATE ISSUANCE....NPF-38, MARCH 16, 1985
PUBLIC DOCUMENT ROOM.....HEAD LIBRARIAN
LOUISIANA COLLECTION
EARL K. LONG LIBRARY
UNIVERSITY OF NEW ORLEANS
LAKEFRONT DRIVE
NEW ORLEANS, LOUISIANA 70148

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

INSPECTION SUMMARY

INSPECTION CONDUCTED OCTOBER 7-11, 1985 (85-26) ROUTINE, UNANNOUNCED INSPECTION OF THE LICENSEE'S RADIOACTIVE MATERIAL (RAM) SHIPMENT PROGRAM, SOLID RADIOACTIVE WASTE (RADWASTE) MANAGEMENT PROGRAM, AND ACTIVITIES INVOLVING ONSITE STORAGE OF LOW-LEVEL RADIOACTIVE WASTE (LLRW). THE INSPECTION INVOLVED 75 INSPECTOR-HOURS ONSITE AND 7 INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS.

ENFORCEMENT SUMMARY

NONE

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

OTHER ITEMS

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

MANAGERIAL ITEMS:

NONE

PLANT STATUS:

LAST IE SITE INSPECTION DATE: OCTOBER 7-11, 1985

INSPECTION REPORT NO: 50-382/85-26

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
-----
85-47     10/28/85   11/26/85   REACTOR TRIP AS A RESULT OF DELUGE SYSTEM
85-48     11/11/85   12/11/85   CONTROL ROOM ISOLATION
=====

```

1. Docket: 50-482 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: M. WILLIAMS (316) 364-8831

4. Licensed Thermal Power (MWT): 3411

5. Nameplate Rating (Gross MWe): 1250

6. Design Electrical Rating (Net MWe): 1170

7. Maximum Dependable Capacity (Gross MWe): 1170

8. Maximum Dependable Capacity (Net MWe): 1128

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

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>2,879.7</u>	<u>2,879.7</u>
13. Hours Reactor Critical	<u>744.0</u>	<u>2,790.3</u>	<u>2,790.3</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>78.7</u>	<u>78.7</u>
15. Hrs Generator On-Line	<u>744.0</u>	<u>2,771.6</u>	<u>2,771.6</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>19.0</u>	<u>19.0</u>
17. Gross Therm Ener (MWH)	<u>2,368,666</u>	<u>8,874,933</u>	<u>8,874,933</u>
18. Gross Elec Ener (MWH)	<u>828,142</u>	<u>3,071,090</u>	<u>3,071,090</u>
19. Net Elec Ener (MWH)	<u>794,915</u>	<u>2,942,100</u>	<u>2,942,100</u>
20. Unit Service Factor	<u>100.0</u>	<u>96.2</u>	<u>96.2</u>
21. Unit Avail Factor	<u>100.0</u>	<u>96.9</u>	<u>96.9</u>
22. Unit Cap Factor (MDC Net)	<u>94.7</u>	<u>90.6</u>	<u>55.5*</u>
23. Unit Cap Factor (DER Net)	<u>91.3</u>	<u>87.3</u>	<u>87.3</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>3.8</u>	<u>3.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>108.1</u>	<u>108.1</u>

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

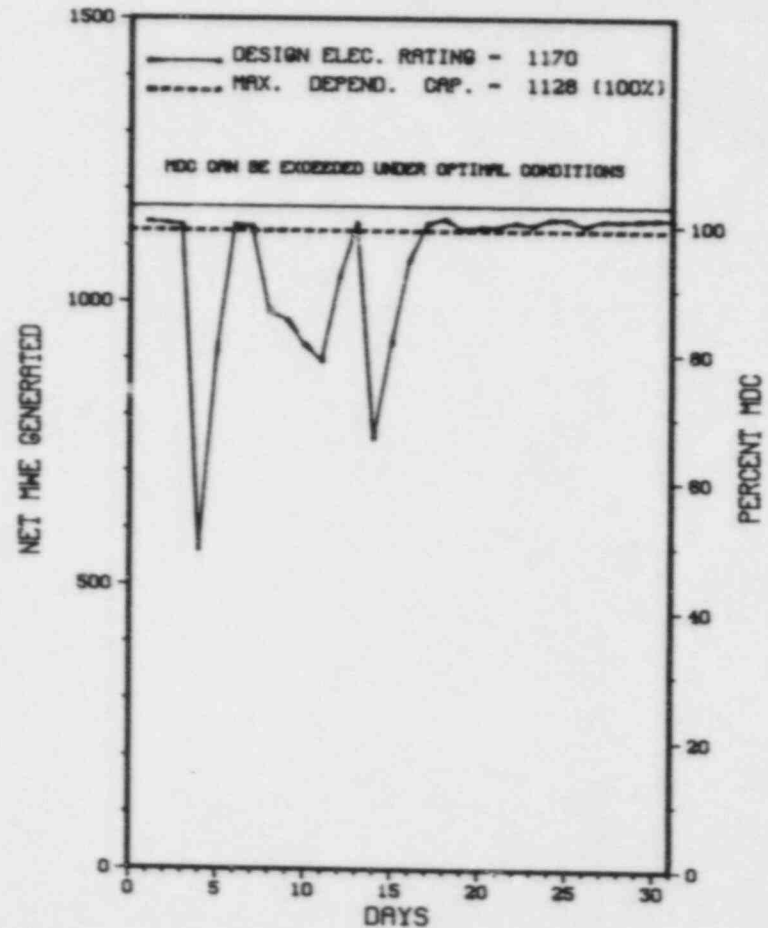
NONE

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

* WOLF CREEK 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

WOLF CREEK 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * WOLF CREEK 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
23	12/04/85	F	0.0	A	5				POWER REDUCTION DUE TO AXIAL FLUX DIFFERENCE DRIFTING OUTSIDE TARGET BAND AS A RESULT OF IMMOVABLE CONTROL RODS (LICENSEE EVENT REPORT 85-079-00).
24	12/14/85	S	0.0	B	5				POWER REDUCTION FOR TROUBLESHOOTING MAIN FEEDWATER PUMP "A" TURBINE OIL PUMP.

 * SUMMARY *

 WOLF CREEK OPERATED ROUTINELY IN DECEMBER.

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

* WOLF CREEK 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....KANSAS
COUNTY.....COFFEY
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...3.5 MI NE OF
BURLINGTON, KAN
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...MAY 22, 1985
DATE ELEC ENER 1ST GENER...JUNE 12, 1985
DATE COMMERCIAL OPERATE...SEPTEMBER 3, 1985
CONDENSER COOLING METHOD...COOLING LAKE
CONDENSER COOLING WATER...COOLING LAKE
ELECTRIC RELIABILITY
COUNCIL.....SOUTHWEST POWER POOL

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....KANSAS GAS & ELECTRIC
CORPORATE ADDRESS.....P.O. BOX 208
WICHITA, KANSAS 67201
CONTRACTOR
ARCHITECT/ENGINEER.....BECHTEL
NUC STEAM SYS SUPPLIER...WESTINGHOUSE
CONSTRUCTOR.....DANIEL INTERNATIONAL
TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....IV
IE RESIDENT INSPECTOR.....J. CUMMINS
LICENSING PROJ MANAGER....P. OCONNOR
DOCKET NUMBER.....50-482
LICENSE & DATE ISSUANCE...NPF-42, JUNE 4, 1985
PUBLIC DOCUMENT ROOM.....WILLIAM ALLAN WHITE LIBRARY
GOVERNMENT DOCUMENTS DIVISION
EMPORIA STATE UNIVERSITY
1200 COMMERCIAL STREET
EMPORIA, KANSAS 66801

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:

Report Period DEC 1985

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

* WOLF CREEK 1 *

INFO. NOT SUPPLIED BY REGION

PLANT STATUS:

INFO. NOT SUPPLIED BY REGION

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

INSPECTION REPORT NO: INFO. NOT SUPPLIED BY REGION

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

=====

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

INFO. NOT SUPPLIED BY REGION

=====

1. Docket: 50-029 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: S. WHIPPLE (617) 872-8100

4. Licensed Thermal Power (MWh): 600

5. Nameplate Rating (Gross MWe): 185 X 1.0 = 185

6. Design Electrical Rating (Net MWe): 175

7. Maximum Dependable Capacity (Gross MWe): 180

8. Maximum Dependable Capacity (Net MWe): 167

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

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

11. Reasons for Restrictions, If Any:
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>220,245.0</u>
13. Hours Reactor Critical	<u>608.1</u>	<u>7,598.3</u>	<u>175,521.2</u>
14. R Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
15. Generator On-Line	<u>484.6</u>	<u>7,474.3</u>	<u>170,658.4</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWh)	<u>237,012</u>	<u>4,189,964</u>	<u>92,680,617</u>
18. Gross Elec Ener (MWh)	<u>72,014</u>	<u>1,263,884</u>	<u>28,082,673</u>
19. Net Elec Ener (MWh)	<u>66,761</u>	<u>1,181,666</u>	<u>26,276,217</u>
20. Unit Service Factor	<u>65.1</u>	<u>85.3</u>	<u>77.5</u>
21. Unit Avail Factor	<u>65.1</u>	<u>85.3</u>	<u>77.5</u>
22. Unit Cap Factor (MDC Net)	<u>53.7</u>	<u>80.8</u>	<u>73.3*</u>
23. Unit Cap Factor (DER Net)	<u>51.3</u>	<u>77.1</u>	<u>69.9*</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.0</u>	<u>5.2</u>
25. Forced Outage Hours	<u>.0</u>	<u>.0</u>	<u>8,326.1</u>

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

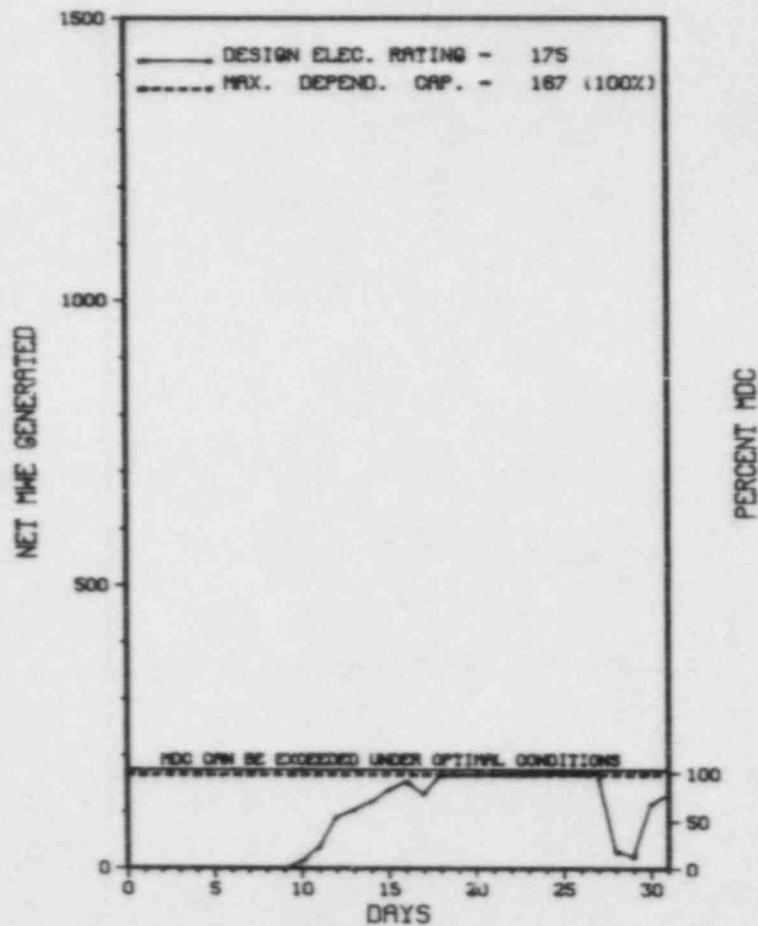
NONE

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

* YANKEE-ROWE 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

YANKEE-ROWE 1



DECEMBER 1985

* Item calculated with a Weighted Average

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * YANKEE-ROWE 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
85-11	10/19/85	S	231.0	C	4		RC	FULLXX	CORE XVIII REFUELING CONCLUDES.
85-12	12/28/85	S	28.4	A	1				SEPARATED FROM GRID TO REPAIR FAULTY TURBINE CONTROL VALVE.

 * SUMMARY *

 YANKEE ROWE COMPLETED A REFUELING OUTAGE ON DECEMBER 10 AND INCURRED AN ADDITIONAL SHUTDOWN TO REPAIR A TURBINE CONTROL VALVE.

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)

* YANKEE-ROWE 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

UTILITY & CONTRACTOR INFORMATION

LOCATION
STATE.....MASSACHUSETTS
COUNTY.....FRANKLIN
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...25 MI NE OF
PITTSFIELD, MASS
TYPE OF REACTOR.....PHR
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
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.....J. CLIFFORD
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.

Report Period DEC 1985

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

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

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (MWT): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

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

11. Reasons for Restrictions, If Any: _____
NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>105,216.0</u>
13. Hours Reactor Critical	<u>714.0</u>	<u>5,321.2</u>	<u>73,717.1</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>2,621.8</u>
15. Hrs Generator On-Line	<u>640.7</u>	<u>5,107.4</u>	<u>71,606.1</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>4,930,630</u>	<u>18,459,085</u>	<u>206,634,303</u>
18. Gross Elec Ener (MWH)	<u>630,612</u>	<u>5,047,004</u>	<u>65,718,798</u>
19. Net Elec Ener (MWH)	<u>605,805</u>	<u>4,813,949</u>	<u>62,409,344</u>
20. Unit Service Factor	<u>86.1</u>	<u>58.3</u>	<u>68.1</u>
21. Unit Avail Factor	<u>86.1</u>	<u>58.3</u>	<u>68.1</u>
22. Unit Cap Factor (MDC Net)	<u>78.3</u>	<u>52.8</u>	<u>57.0</u>
23. Unit Cap Factor (DER Net)	<u>78.3</u>	<u>52.8</u>	<u>57.0</u>
24. Unit Forced Outage Rate	<u>13.9</u>	<u>6.0</u>	<u>14.2</u>
25. Forced Outage Hours	<u>103.3</u>	<u>323.2</u>	<u>11,216.3</u>

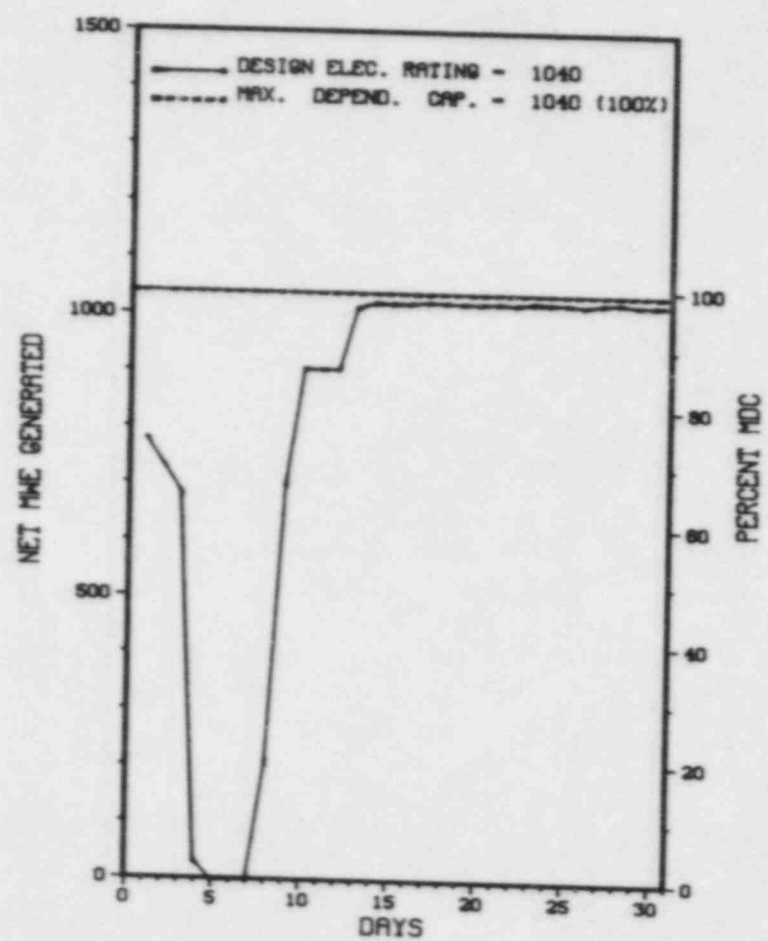
26. Shutdowns Sched Over Next 6 Months (Type, Date, Duration):
REFUELING OUTAGE - 06/86.

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

* Z I O N 1 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 1



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

 * ZION 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
9	12/04/85	F	45.2	H	3				OFF LINE FOR TURBINE BALANCING.
10	12/06/85	F	58.1	A	3				REACTOR TRIPPED IN HOT STANDBY DUE TO "O" SHIFT ON STEAM FLOW CHANNELS IN COINCIDENCE WITH 25% STEAM GENERATOR LEVEL.

 * SUMMARY *

 ZION 1 INCURRED 2 OUTAGES IN DECEMBER AS DESCRIBED ABOVE.

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

* ZION 1 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PHR
DATE INITIAL CRITICALITY...JUNE 19, 1973
DATE ELEC ENER 1ST GENER...JUNE 28, 1973
DATE COMMERCIAL OPERATE...DECEMBER 31, 1973
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-295
LICENSE & DATE ISSUANCE....DPR-39, OCTOBER 19, 1973
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 8 THROUGH NOVEMBER 18, (85036): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REVIEW OF REPORTING REQUIREMENTS; ACTUATION OF SERVICE WATER PUMP; CORRECTIVE ACTION SYSTEM REVIEW; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURE (ESF) SYSTEM WALKDOWN; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS (LERS). THE INSPECTION INVOLVED A TOTAL OF 375 INSPECTOR-HOURS ONSITE INCLUDING 55 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS, AND ONE VIOLATION WAS IDENTIFIED IN ONE AREA (REVIEW OF REPORTING REQUIREMENTS).

INSPECTION ON OCTOBER 28 THROUGH NOVEMBER 1 AND NOVEMBER 13, (85038): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - VITAL AND PROTECTED AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; AND DETECTION AIDS - VITAL AND PROTECTED AREAS. THE INSPECTORS REVIEWED LICENSEE'S ACTIONS RELATING TO WEAKNESSES IDENTIFIED IN PREVIOUS INSPECTION REPORTS AND THOSE WEAKNESSES WHICH WERE IDENTIFIED AS A RESULT OF THE REGION III SAFEGUARDS ANALYSIS PROGRAM. THE INSPECTORS ALSO REVIEWED ALLEGATIONS COMMUNICATED TO THE REGION III OFFICE ON OCTOBER 10, 1985 AND ALLEGATIONS COMMUNICATED DURING THE COURSE OF THIS INSPECTION. THE INSPECTION INVOLVED 76.5 INSPECTOR-HOURS BY TWO NRC INSPECTORS. TWO INSPECTOR-HOURS WERE EXPENDED DURING BACK-SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE FIFTEEN AREAS EXAMINED DURING THIS INSPECTION. ONE OPEN ITEM WAS NOTED REGARDING THE DESIGN OF THE TURBINE BUILDING VENTS. ONE UNRESOLVED ITEM CONCERNING ASSESSMENT AIDS WAS IDENTIFIED AND FORWARDED TO HQ NRC FOR RESOLUTION. THE ALLEGATIONS REVIEWED DURING THIS INSPECTION WERE UNSUBSTANTIATED. THE RESULTS OF THE ALLEGATION REVIEW ARE ENCLOSED IN THE NON-SAFEGUARDS INFORMATION APPENDIX. CONCERNS WERE DEVELOPED IN THE AREAS OF VITAL AREA BARRIERS, COMPENSATORY MEASURES, ASSESSMENT AIDS, AND PERSONNEL ACCESS CONTROLS.

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 17 THROUGH NOVEMBER 14, (85039): REVIEW OF THE UNIT 2 TEN-YEAR INSERVICE INSPECTION (ISI) PROGRAM, INCLUDING REVIEW OF PROCEDURES, OBSERVATION OF EXAMINATIONS AND EVALUATIONS, AND REVIEW OF EXAMINATION DOCUMENTATION FOR THE REACTOR VESSEL. AND FOLLOWUP ON LICENSEE ACTIONS ON IE BULLETINS. THIS INSPECTION INVOLVED A TOTAL OF 84 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 12-15 AND 19, (85041): ROUTINE, ANNOUNCED SAFETY INSPECTION BY TWO REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ZION UNIT 2 LICENSEE EVENT REPORT NO. 85-018-00 REGARDING UNQUALIFIED WIRING FOUND IN LIMITORQUE VALVE OPERATORS. THE INSPECTION INVOLVED A TOTAL OF 72 INSPECTOR-HOURS ONSITE AND FIVE INSPECTOR-HOURS OFFSITE BY TWO NRC INSPECTORS. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

ENFORCEMENT SUMMARY

10 CFR 50.72(B) STATES IN PART, "(2) THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES, WITHIN FOUR HOURS OF THE OCCURRENCE OF ANY OF THE FOLLOWING: (II) ANY EVENT OR CONDITION THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF). . . . " 10 CFR 50.73(A) STATES IN PART "(1) THE HOLDER OF AN OPERATING LICENSE FOR A NUCLEAR POWER PLANT (LICENSEE) SHALL SUBMIT A LICENSEE EVENT REPORT (LER) FOR ANY EVENT OF THE TYPE DESCRIBED IN THIS PARAGRAPH WITHIN 30 DAYS AFTER THE DISCOVERY OF THE EVENT. . . . (2) THE LICENSEE SHALL REPORT. . . . (IV) ANY EVENT OR CONDITION THAT RESULTED IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF). . . . " CONTRARY TO THE ABOVE, (1) THE LICENSEE FAILED TO NOTIFY THE NRC WITHIN FOUR HOURS OF THE OCCURRENCE FOR THE FOLLOWING TWO EVENTS: (A) THE ESF ACTUATION ON AUGUST 2, 1985 WHEN ALL THREE UNIT 1 PP AIR COMPRESSORS AUTO STARTED. A FOUR HOUR ENS TELEPHONE NOTIFICATION WAS MADE ON AUGUST 30, 1985. (B) THE ESF ACTUATION ON SEPTEMBER 9, 1985 WHEN UNIT 2 CONTAINMENT PURGE VALVES WERE INADVERTENTLY SHUT WHEN THE JUMPERS WERE REMOVED FROM THE PURGE VALVE CIRCUITRY. A FOUR HOUR ENS TELEPHONE NOTIFICATION WAS MADE APPROXIMATELY SEVEN HOURS AFTER THE EVENT OCCURRED. THE LICENSEE FAILED TO SUBMIT AN LER WITHIN 30 DAYS FOR THE FOLLOWING TWO EVENTS: (A) THE ESF ACTUATION ON MAY 27, 1985 WHEN AN IMPROPER SEQUENCE OF OPERATIONS RESULTED IN AN INADVERTENT CLOSURE OF SEVERAL TRAIN A CONTAINMENT ISOLATION VALVES. A DEVIATION REPORT RECLASSIFICATION WAS SUBMITTED OCTOBER 7, 1985, AND AN LER WILL FOLLOW. (B) THE ESF ACTUATION ON AUGUST 2, 1985 WHEN ALL THREE UNIT 1 PP AIR COMPRESSORS AUTO STARTED. AN LER WAS SUBMITTED ON SEPTEMBER 10, 1985. 10 CFR 50.72(B) STATES IN PART, "(2) THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES, WITHIN FOUR HOURS OF THE OCCURRENCE OF ANY OF THE FOLLOWING: (II) ANY EVENT OR CONDITION THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF). . . . " 10 CFR 50.73(A) STATES IN PART "(1) THE HOLDER OF AN OPERATING LICENSE FOR A NUCLEAR POWER PLANT (LICENSEE) SHALL SUBMIT A LICENSEE EVENT REPORT (LER) FOR ANY EVENT OF THE TYPE DESCRIBED IN THIS PARAGRAPH WITHIN 30 DAYS AFTER THE DISCOVERY OF THE EVENT. . . . (2) THE LICENSEE SHALL REPORT. . . . (IV) ANY EVENT OR CONDITION THAT RESULTED IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF). . . . " CONTRARY TO THE ABOVE, (1) THE LICENSEE FAILED TO NOTIFY THE NRC WITHIN FOUR HOURS OF THE OCCURRENCE FOR THE FOLLOWING TWO EVENTS: (A) THE ESF ACTUATION ON AUGUST 2, 1985 WHEN ALL THREE UNIT 1 PP AIR COMPRESSORS AUTO STARTED. A FOUR HOUR ENS TELEPHONE NOTIFICATION WAS MADE ON AUGUST 30, 1985. (B) THE ESF ACTUATION ON SEPTEMBER 9, 1985 WHEN UNIT 2 CONTAINMENT PURGE VALVES WERE INADVERTENTLY SHUT WHEN THE JUMPERS WERE REMOVED FROM THE PURGE VALVE CIRCUITRY. A FOUR HOUR ENS TELEPHONE NOTIFICATION WAS MADE APPROXIMATELY SEVEN HOURS AFTER THE EVENT OCCURRED. THE LICENSEE FAILED TO SUBMIT AN LER WITHIN 30 DAYS FOR THE FOLLOWING TWO EVENTS: (A) THE ESF ACTUATION ON MAY 27, 1985 WHEN AN IMPROPER SEQUENCE OF OPERATIONS RESULTED IN AN INADVERTENT CLOSURE OF SEVERAL TRAIN A CONTAINMENT ISOLATION VALVES. A DEVIATION REPORT RECLASSIFICATION WAS SUBMITTED OCTOBER 7, 1985, AND AN LER WILL FOLLOW. (B) THE ESF ACTUATION ON AUGUST 2, 1985 WHEN ALL THREE UNIT 1 PP AIR COMPRESSORS AUTO STARTED. AN LER WAS SUBMITTED ON SEPTEMBER 10, 1985. 10 CFR 50.72(B) STATES IN PART, "(2) THE LICENSEE SHALL NOTIFY THE NRC AS SOON AS PRACTICAL AND IN ALL CASES, WITHIN FOUR HOURS OF THE OCCURRENCE OF ANY OF THE FOLLOWING: (II) ANY EVENT OR CONDITION THAT RESULTS IN MANUAL OR AUTOMATIC ACTUATION OF ANY ENGINEERED SAFETY FEATURE (ESF). . . . " CONTRARY TO THE ABOVE, THE LICENSEE FAILED TO NOTIFY THE NRC WITHIN FOUR HOURS OF THE OCCURRENCE FOR THE FOLLOWING EVENT: (A) THE ESF ACTUATION ON OCTOBER 10, 1985, WHEN UNIT 2 CONTAINMENT PURGE VALVES SHUT FROM A SPIKE ON THE RADIATION MONITOR, 2RIA-PR40. A REQUIRED FOUR HOUR ENS TELEPHONE VERIFICATION WAS NOT MADE UNTIL APPROXIMATELY 22.5 HOURS AFTER THE EVENT. THE INSPECTION SHOWED THAT ACTION HAD BEEN TAKEN TO CORRECT THE IDENTIFIED VIOLATION. (8503 4)

Report Period DEC 1985

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

X Z I O N X

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: JANUARY 4 - FEBRUARY 14, 1986

INSPECTION REPORT NO: 86002

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
85-42	11/15/85	12/16/85	AUTO START OF PENETRATION AIR COMPRESSORS
85-43	11/22/85	12/23/85	AUTO START OF PENETRATION PRESSURIZATION AIR COMPRESSOR
85-45	11/22/85	12/20/85	AUTO START OF PENETRATION PRESSURIZATION AIR COMPRESSORS

=====

THIS PAGE INTENTIONALLY LEFT BLANK

1. Docket: 50-304 O P E R A T I N G S T A T U S

2. Reporting Period: 12/01/85 Outage + On-line Hrs: 744.0

3. Utility Contact: GERRI AUSTIN (312) 746-2084

4. Licensed Thermal Power (Mwt): 3250

5. Nameplate Rating (Gross MWe): 1220 X 0.9 = 1098

6. Design Electrical Rating (Net MWe): 1040

7. Maximum Dependable Capacity (Gross MWe): 1085

8. Maximum Dependable Capacity (Net MWe): 1040

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

NONE

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

11. Reasons for Restrictions, If Any: _____

NONE

	MONTH	YEAR	CUMULATIVE
12. Report Period Hrs	<u>744.0</u>	<u>8,760.0</u>	<u>98,929.0</u>
13. Hours Reactor Critical	<u>.0</u>	<u>5,909.2</u>	<u>71,419.4</u>
14. Rx Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>226.1</u>
15. Hrs Generator On-Line	<u>.0</u>	<u>5,901.3</u>	<u>69,607.8</u>
16. Unit Reserve Shtdwn Hrs	<u>.0</u>	<u>.0</u>	<u>.0</u>
17. Gross Therm Ener (MWH)	<u>0</u>	<u>21,572,161</u>	<u>205,669,505</u>
18. Gross Elec Ener (MWH)	<u>0</u>	<u>5,358,832</u>	<u>64,319,595</u>
19. Net Elec Ener (MWH)	<u>-6,111</u>	<u>5,114,186</u>	<u>61,177,442</u>
20. Unit Service Factor	<u>.0</u>	<u>67.4</u>	<u>70.4</u>
21. Unit Avail Factor	<u>.0</u>	<u>67.4</u>	<u>70.4</u>
22. Unit Cap Factor (MDC Net)	<u>.0</u>	<u>56.1</u>	<u>59.5</u>
23. Unit Cap Factor (DER Net)	<u>.0</u>	<u>56.1</u>	<u>59.5</u>
24. Unit Forced Outage Rate	<u>.0</u>	<u>.5</u>	<u>15.8</u>
25. Forced Outage Hours	<u>.0</u>	<u>26.7</u>	<u>13,138.1</u>

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

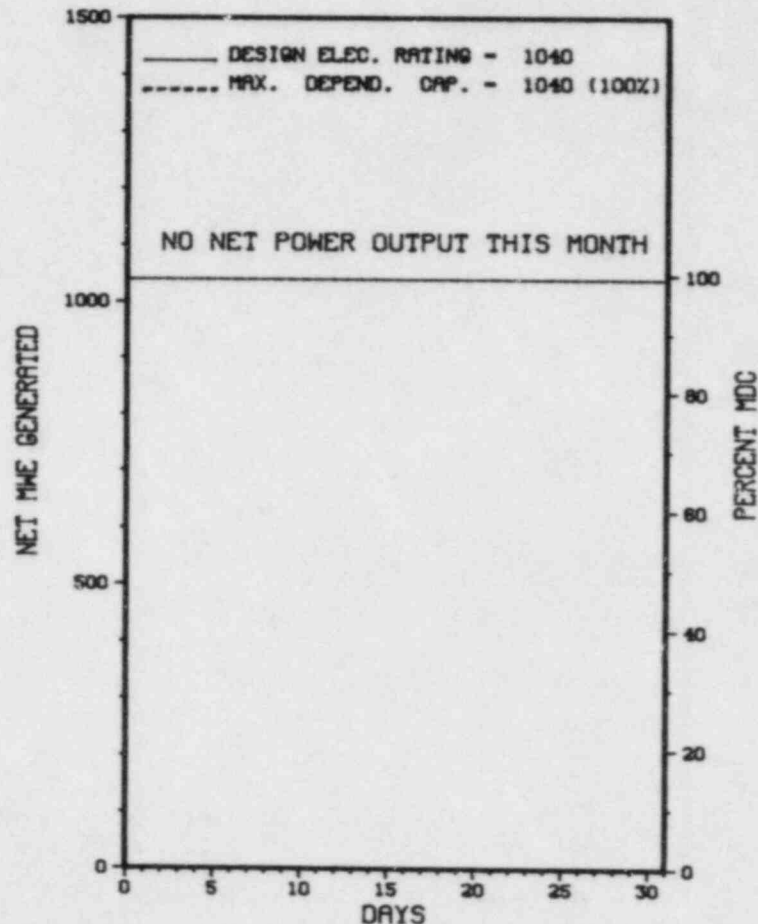
NONE

27. If Currently Shutdown Estimated Startup Date: 01/14/86

* ZION 2 *

AVERAGE DAILY POWER LEVEL (MWe) PLOT

ZION 2



DECEMBER 1985

Report Period DEC 1985

UNIT SHUTDOWNS / REDUCTIONS

* ZION 2 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	09/05/85	S	744.0	C	4		RC	FUELXX	CYCLE VIII-IX REFUELING OUTAGE CONTINUES.

***** ZION 2 REMAINS SHUTDOWN FOR RUFUELING.
* 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		

* ZION 2 *

FACILITY DATA

Report Period DEC 1985

FACILITY DESCRIPTION

LOCATION
STATE.....ILLINOIS
COUNTY.....LAKE
DIST AND DIRECTION FROM
NEAREST POPULATION CTR...40 MI N OF
CHICAGO, ILL
TYPE OF REACTOR.....PWR
DATE INITIAL CRITICALITY...DECEMBER 24, 1973
DATE ELEC ENER 1ST GENER...DECEMBER 26, 1973
DATE COMMERCIAL OPERATE...SEPTEMBER 17, 1974
CONDENSER COOLING METHOD...ONCE THRU
CONDENSER COOLING WATER...LAKE MICHIGAN
ELECTRIC RELIABILITY
COUNCIL.....MID-AMERICA
INTERPOOL NETWORK

UTILITY & CONTRACTOR INFORMATION

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

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....III
IE RESIDENT INSPECTOR.....M. HOLZMER
LICENSING PROJ MANAGER.....J. NORRIS
DOCKET NUMBER.....50-304
LICENSE & DATE ISSUANCE....DPR-48, NOVEMBER 14, 1973
PUBLIC DOCUMENT ROOM.....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 8 THROUGH NOVEMBER 18, (85038): ROUTINE, UNANNOUNCED RESIDENT INSPECTION OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS; REVIEW OF REPORTING REQUIREMENTS; ACTUATION OF SERVICE WATER PUMP; CORRECTIVE ACTION SYSTEM REVIEW; OPERATIONAL SAFETY AND ENGINEERED SAFETY FEATURE (ESF) SYSTEM WALKDOWN; SURVEILLANCE; MAINTENANCE; LICENSEE EVENT REPORTS (LERS). THE INSPECTION INVOLVED A TOTAL OF 375 INSPECTOR-HOURS ONSITE INCLUDING 55 INSPECTOR-HOURS ONSITE DURING OFF-SHIFTS. OF THE EIGHT AREAS INSPECTED, NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED IN SEVEN AREAS, AND ONE VIOLATION WAS IDENTIFIED IN ONE AREA (REVIEW OF REPORTING REQUIREMENTS).

INSPECTION ON OCTOBER 28 THROUGH NOVEMBER 1 AND NOVEMBER 13, (85040): INCLUDED A REVIEW OF THE SECURITY PLAN AND IMPLEMENTING PROCEDURES; MANAGEMENT EFFECTIVENESS; SECURITY ORGANIZATION; RECORDS AND REPORTS; TESTING AND MAINTENANCE; PHYSICAL BARRIERS - VITAL AND PROTECTED AREAS; LIGHTING; COMPENSATORY MEASURES; ASSESSMENT AIDS; ACCESS CONTROL - PERSONNEL, PACKAGES, AND VEHICLES; AND DETECTION AIDS - VITAL AND PROTECTED AREAS. THE INSPECTORS REVIEWED LICENSEE'S ACTIONS RELATING TO WEAKNESSES IDENTIFIED IN PREVIOUS INSPECTION REPORTS AND THOSE WEAKNESSES WHICH WERE IDENTIFIED AS A RESULT OF THE REGION III SAFEGUARDS ANALYSIS PROGRAM. THE INSPECTORS ALSO REVIEWED ALLEGATIONS COMMUNICATED TO THE REGION III OFFICE ON OCTOBER 10, 1985 AND ALLEGATIONS COMMUNICATED DURING THE COURSE OF THIS INSPECTION. THE INSPECTION INVOLVED 76.5 INSPECTOR-HOURS BY TWO NRC INSPECTORS. TWO INSPECTOR-HOURS WERE EXPENDED DURING BACK-SHIFT. THE LICENSEE WAS FOUND TO BE IN COMPLIANCE WITH NRC REQUIREMENTS WITHIN THE FIFTEEN AREAS EXAMINED DURING THIS INSPECTION. ONE OPEN ITEM WAS NOTED REGARDING THE DESIGN OF THE TURBINE BUILDING VENTS. ONE UNRESOLVED ITEM CONCERNING ASSESSMENT AIDS WAS IDENTIFIED AND FORWARDED TO HQ NRC FOR RESOLUTION. THE ALLEGATIONS REVIEWED DURING THIS INSPECTION WERE UNSUBSTANTIATED. THE RESULTS OF THE ALLEGATION REVIEW ARE ENCLOSED IN THE NON-SAFEGUARDS INFORMATION APPENDIX. CONCERNS WERE DEVELOPED IN THE AREAS OF VITAL AREA BARRIERS, COMPENSATORY MEASURES, ASSESSMENT AIDS, AND PERSONNEL ACCESS CONTROLS.

Report Period DEC 1985

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

* ZION 2 *

INSPECTION SUMMARY

INSPECTION ON SEPTEMBER 17 THROUGH NOVEMBER 14, (85035): REVIEW OF THE UNIT 2 TEN-YEAR INSERVICE INSPECTION (ISI) PROGRAM, INCLUDING REVIEW OF PROCEDURES, OBSERVATION OF EXAMINATIONS AND EVALUATIONS, AND REVIEW OF EXAMINATION DOCUMENTATION FOR THE REACTOR VESSEL. AND FOLLOWUP ON LICENSEE ACTIONS ON IE BULLETINS. THIS INSPECTION INVOLVED A TOTAL OF 84 INSPECTOR-HOURS ONSITE BY ONE NRC INSPECTOR. NO VIOLATIONS OR DEVIATIONS WERE IDENTIFIED.

INSPECTION ON NOVEMBER 12-15 AND 19, (85042): ROUTINE, ANNOUNCED SAFETY INSPECTION BY TWO REGIONAL INSPECTORS OF LICENSEE ACTION ON PREVIOUS INSPECTION FINDINGS AND ZION UNIT 2 LICENSEE EVENT REPORT NO. 85-018-00 REGARDING UNQUALIFIED WIRING FOUND IN LIMITORQUE VALVE OPERATORS. THE INSPECTION INVOLVED A TOTAL OF 72 INSPECTOR-HOURS ONSITE AND FIVE INSPECTOR-HOURS OFFSITE 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 IN A REFUELING OUTAGE UNTIL JANUARY 1986.

LAST IE SITE INSPECTION DATE: JANUARY 4 - FEBRUARY 14, 1986

INSPECTION REPORT NO: 86002

Report Period DEC 1985

REPORTS FROM LICENSEE

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
* ZION 2 *
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

=====

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
85-26	11/08/85	12/06/85	IMPROPERLY INSTALLED CHECK VALVES IN REACTOR CONTAINMENT FAN COOLER MOTOR HEAT EXCHANGER HOUSING DRAINS
85-27	11/18/85	12/18/85	INADVERTENT TRIP OF UNIT 2 PURGE
85-29	12/01/85	12/31/85	PURGE ISOLATION DUE TO LOW TEMPERATURE AND HIGH RADIATION SIGNAL

=====

SECTION 3

APPENDIX

* PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER*

* REACTORS*

(a)

CORE SIZE

(NO. OF

ASSEMBLIES)

PRESENT AUTH.

STORAGE POOL CAP.

(FUEL ASSEMBLIES)

NO. OF

ASSEMBLIES

STORED

REMAINING CAPACITY

(NO. OF ASSEMBLIES)

REMAINING CAPACITY

IF PENDING REQUEST

APPROVED

(NO. OF ASSEMBLIES)

NEXT REFUEL

SCHED. DATE

(b)

WILL FILL PRESENT

AUTH. CAPACITY

FACILITY	CORE SIZE (NO. OF ASSEMBLIES)	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES)	NO. OF ASSEMBLIES STORED	REMAINING CAPACITY (NO. OF ASSEMBLIES)	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES)	NEXT REFUEL SCHED. DATE	WILL FILL PRESENT AUTH. CAPACITY
ARKANSAS 1	177	988	456	532		08-86	1998
ARKANSAS 2	177	988	168	820		N/S	2003
BEAVER VALLEY 1	157	833	232	601		05-86	1995
BYRON 1	193	1050	0	1050		N/S	1993
CALLAWAY 1	193	1340	0	1340		02-86	1993
CALVERT CLIFFS 1	217	1830(c)	940(c)	890(c)(m)	1098	10-86	1991
CALVERT CLIFFS 2	217					N/S	1991
CATAWBA 1	193	1418	0	1418		08-86	2008
COOK 1	193	2050(c)	802(c)	1248(c)		N/S	1994
COOK 2	193					02-86	1994
CRYSTAL RIVER 3	177	1163	328	829		N/S	1997
DAVIS-BESSE 1	177	735	204	531		N/S	1993
DIABLO CANYON 1	193	1400	0	1400		N/S	1993
DIABLO CANYON 2							
FARLEY 1	157	1407	273	1134		N/S	1991
FARLEY 2	157	1407	188	1219		N/S	1994
FORT CALHOUN 1	133	729	305	424		10-86	1996
GINNA	121	1016	380	636		02-86	1993
HADDAM NECK	157	1168	545	623		01-86	1994
INDIAN POINT 1	0	288	160	128		N/S	
INDIAN POINT 2	193	980	396	584		01-86	1993
INDIAN POINT 3	193	840	292	548		N/S	1993
KEWAUNEE	121	990	376	614(m)		02-86	1993
MAINE YANKEE	217	1476	721	755		N/S	1987
MCGUIRE 1	193	1463	152	1311(n)		06-86	2010
MCGUIRE 2	193	1463	61	1402		04-86	2010
MILLSTONE 2	217	667	449	218		10-86	1987
NORTH ANNA 1	157	1737(c)	468(c)	1269		N/S	1993
NORTH ANNA 2	157					N/S	1993
OCONEE 1	177	1312(1)	1025	287(1)(n)		03-86	1991
OCONEE 2	177					08-86	1991
OCONEE 3	177	875	364	511		03-87	1991
PALISADES	204	798	477	321		12-85	1988
PALO VERDE 1	241	1329	0	1329		N/S	1993
POINT BEACH 1	121	1502(c)	835(c)	667(c)		N/S	1995
POINT BEACH 2	121					N/S	1995
PRAIRIE ISLAND 1	121	1586(c)	741(c)	845(c)(m)		03-86	1993
PRAIRIE ISLAND 2	121					N/S	1993
RANCHO SECO 1	177	1080	316	764		09-86	2000
ROBINSON 2	157	541	222	319(e)	431	02-86	1988(g)
SALEM 1	193	1170	296	874		03-86	2001
SALEM 2	193	1170	140	1030		10-86	2004
SAN ONOFRE 1	157	216	94	122		N/S	1988
SAN ONOFRE 2	217	800	72	728		04-86	1997
SAN ONOFRE 3	217	800	72	728		N/S	
SEQUOYAH 1	193	1386	348	1033		N/S	1994
SEQUOYAH 2(d)	193					N/S	1994

Report Period DEC 1985

***** * PRESSURIZED* STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * *****							
FACILITY *****	(a) CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHED. DATE *****	(b) WILL FILL PRESENT AUTH. CAPACITY *****
	ST LUCIE 1	217	728	372	556		N/S
ST LUCIE 2	217	1076	80	996		02-86	1993
SUMMER 1	157	1276	96	1180		N/S	2008
SURRY 1	157	1044(c)	849(c)	195(c)		N/S	1985
SURRY 2	157					N/S	1985
THREE MILE ISLAND 1	177	752	208	544		N/S	
THREE MILE ISLAND 2	177	442	0	442		N/S	
TROJAN	193	1408	361	1047		04-86	1993
TURKEY POINT 3	157	1404	445	959(m)		N/S	1993
TURKEY POINT 4	157	1404	430	974		01-86	1993
WATERFORD 3	217	1088	0	1088		N/S	1993
WOLF CREEK 1	193	1340	0	1340		N/S	
YANKEE-ROWE 1	76	721	325	396		N/S	1993
ZION 1	193	2112(c)	1008(c)	1104(c)		06-86	1995
ZION 2	193					N/S	1995

INDEPENDENT SPENT FUEL STORAGE INSTALLATIONS(h)

MORRIS OPERATIONS	750 MTU(j)	315	385 MTU(j)	1490 MTU(j)
NFS(i)	250 MTU	170 MTU	80 MTU	

- (a) At each refueling outage approximately 1/3 of a PWR core and 1/4 of a BWR core is off-loaded.
- (b) Some of these dates have been adjusted by staff assumptions.
- (c) This is the total for both units.
- (d) Plant not in commercial operation.
- (e) Some spent fuel stored at Brunswick.
- (f) Authorized a total 2772 BWR and 1232 PWR assemblies for both pools.
- (g) Robinson 2 assemblies being shipped to Brunswick for storage.
- (h) Capacity is in metric tons of uranium; 1 MTU = 2 PWR assemblies or 5 BWR assemblies.
- (i) No longer accepting spent fuel.
- (j) Racked for 700 MTU.
- (k) Reserved.
- (l) This is the station total.
- (m) Installed capacity is less than that authorized.
- (n) McGuire 1 authorized to accept Oconee fuel assemblies.

N/S = Not Scheduled

* BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY

* WATER *

* REACTORS * (a)

FACILITY *****	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY IF PENDING REQUEST APPROVED		NEXT REFUEL SCHED. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
					(NO. OF ASSEMBLIES)	(NO. OF ASSEMBLIES)		
BIG ROCK POINT 1	84	441	192	249			N/S	1993
BROWNS FERRY 1	764	3471	1288	2183			N/S	1993
BROWNS FERRY 2	764	3471	1161	2310(m)	1819		N/S	1993
BROWNS FERRY 3	764	3471	1004	2467(m)			N/S	1993
BRUNSWICK 1	560	(f)	160PWR+656BWR	963			N/S	1992
BRUNSWICK 2	560		144PWR+564BWR	1275			N/S	1992
COOPER STATION	548	2366	790	1576			12-85	1993
DRESDEN 1	464	672	221	451			N/S	1996
DRESDEN 2	724	3537(c)	1413 (c)	2124(c)		(c)	N/S	1990
DRESDEN 3	724	3537	1271	2266			N/S	1993
DUANE ARNOLD	368	2050	961	1089			N/S	1993
FITZPATRICK	560	2244	1012	768			N/S	1998
GRAND GULF 1	800	1440	0	1440			N/S	1992
HATCH 1	560	6026	1580	4446			N/S	1993
HATCH 2	560			1325			N/S	1999
HUMBOLDT BAY	172	487	251	236			N/S	1999
LA CROSSE	72	440	234	206			N/S	
LASALLE 1	764	2162	191	1971			03-86	1992
LASALLE 2	764						N/S	1988
LIMERICK 1	764	2040	0	2040			N/S	1988
MILLSTONE 1	580	2184	1346	838			N/S	1993
MONTICELLO	484	2237	701	1536			N/S	1991
NINE MILE POINT 1	532	2776	1244	1532	1788		05-86	1999
OYSTER CREEK 1	560	2600	1204	1396			03-86	1996
							04-86	1990

***** * BOILING * STATUS OF SPENT FUEL STORAGE CAPABILITY * WATER * * REACTORS * *****							
FACILITY *****	(a)			REMAINING CAPACITY IF PENDING REQUEST APPROVED		(b)	
	CORE SIZE (NO. OF ASSEMBLIES) *****	PRESENT AUTH. STORAGE POOL CAP. (FUEL ASSEMBLIES) *****	NO. OF ASSEMBLIES STORED *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	REMAINING CAPACITY (NO. OF ASSEMBLIES) *****	NEXT REFUEL SCHD. DATE *****	WILL FILL PRESENT AUTH. CAPACITY *****
PEACH BOTTOM 2	764	2608	1462	1146		N/S	1989
PEACH BOTTOM 3	764	2608	1212	1396		N/S	1989
PILGRIM 1	580	2320	1128	642(m)		N/S	1990
QUAD CITIES 1	724	3657	2340	1317		01-86	2003
QUAD CITIES 2	724	3897	176	3721		10-86	2003
SJQUEHANNA 1	764	2840	191	2649		02-86	1997
SJQUEHANNA 2	764	2840	0	2840		N/S	1997
VERMONT YANKEE 1	368	2000	1296	704		N/S	1992
WASHINGTON NUCLEAR*	764	2658	0	2658		04-86	1993

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	YEARS	1ST ELEC GENERATE	UNIT
* LICENSED *	11.42	08/01/74	ARKANSAS 1	7.02	12/26/78	ARKANSAS 2	9.55	06/14/76	BEAVER VALLEY 1		
* OPERATING *	23.07	12/08/62	BIG ROCK POINT 1	12.21	10/15/73	BROWNS FERRY 1	11.35	08/28/74	BROWNS FERRY 2		
* ELECTRICAL *	9.30	09/12/76	BROWNS FERRY 3	9.08	12/04/76	BRUNSWICK 1	10.68	04/29/75	BRUNSWICK 2		
* PRODUCING *	.84	03/01/85	BYRON 1	1.19	10/24/84	CALLAWAY 1	11.00	01/03/75	CALVERT CLIFFS 1		
* UNITS *	9.07	12/07/76	CALVERT CLIFFS 2	.94	01/22/85	CATAWBA 1	10.89	02/10/75	COOK 1		
*****	7.78	03/22/78	COOK 2	11.65	05/10/74	COOPER STATION	8.92	01/30/77	CRYSTAL RIVER 3		
	8.34	08/28/77	DAVIS-BESSE 1	1.14	11/11/84	DIABLO CANYON 1	.20	10/20/85	DIABLO CANYON 2		
	15.72	04/13/70	DRESDEN 2	14.45	07/22/71	DRESDEN 3	11.62	05/19/74	DUANE ARNOLD		
	8.37	08/18/77	FARLEY 1	4.61	05/25/81	FARLEY 2	10.92	02/01/75	FITZPATRICK		
	12.35	08/25/73	FORT CALHOUN 1	9.06	12/11/76	FORT ST VRAIN	16.08	12/02/69	GINNA		
	1.20	10/20/84	GRAND GULF 1	18.40	08/07/67	HADDAM NECK	11.14	11/11/74	HATCH 1		
	7.28	09/22/78	HATCH 2	12.52	06/26/73	INDIAN POINT 2	9.68	04/27/76	INDIAN POINT 3		
	11.73	04/08/74	KEWAUNEE	17.68	04/26/68	LA CROSSE	3.33	09/04/82	LASALLE 1		
	1.70	04/20/84	LASALLE 2	.72	04/13/85	LIMERICK 1	13.15	11/08/72	MAINE YANKEE		
	4.51	06/30/81	MCGUIRE 1	2.61	05/23/83	MCGUIRE 2	15.09	11/29/70	MILLSTONE 1		
	10.15	11/09/75	MILLSTONE 2	14.83	03/05/71	MONTICELLO	16.15	11/09/69	NINE MILE POINT 1		
	7.71	04/17/78	NORTH ANNA 1	5.35	08/25/80	NORTH ANNA 2	12.66	05/06/73	OCONEE 1		
	12.07	12/05/73	OCONEE 2	11.33	09/01/74	OCONEE 3	16.27	09/23/69	OYSTER CREEK 1		
	14.00	12/31/71	PALISADES	.56	06/10/85	PALO VERDE 1	11.87	02/18/74	PEACH BOTTOM 2		
	11.33	09/01/74	PEACH BOTTOM 3	13.45	07/19/72	PILGRIM 1	15.15	11/06/70	POINT BEACH 1		
	13.42	08/02/72	POINT BEACH 2	12.08	12/04/73	PRAIRIE ISLAND 1	11.03	12/21/74	PRAIRIE ISLAND 2		
	13.72	04/12/72	QUAD CITIES 1	13.61	05/23/72	QUAD CITIES 2	11.22	10/13/74	RANCHO SECO 1		
	15.27	09/26/70	ROBINSON 2	9.02	12/25/76	SALEM 1	4.58	06/03/81	SALEM 2		
	18.46	07/16/67	SAN ONOFRE 1	3.28	09/20/82	SAN ONOFRE 2	2.27	09/25/83	SAN ONOFRE 3		
	5.45	07/22/80	SEQUOYAH 1	4.02	12/23/81	SEQUOYAH 2	9.65	05/07/76	ST LUCIE 1		
	2.55	06/13/83	ST LUCIE 2	3.13	11/16/82	SUMMER 1	13.49	07/04/72	SURRY 1		
	12.81	03/10/73	SURRY 2	3.13	11/16/82	SUSQUEHANNA 1	1.50	07/03/84	SUSQUEHANNA 2		
	11.54	06/19/74	THREE MILE ISLAND 1	10.03	12/23/75	TROJAN	13.16	11/02/72	TURKEY POINT 3		
	12.53	06/21/73	TURKEY POINT 4	13.28	09/20/72	VERMONT YANKEE 1	1.50	05/27/84	WASHINGTON NUCLEAR 2		
	.79	03/18/85	WATERFORD 3	.56	06/12/85	WOLF CREEK 1	25.14	11/10/60	YANKEE-ROWE 1		
	12.51	06/28/73	ZION 1	12.02	12/26/73	ZION 2					
TOTAL 879.29 YRS											

*****				*****			
YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT	YEARS	1ST ELEC GENERATE	SHUTDOWN DATE	UNIT
* PERMANENTLY *	3.80	08/14/64	06/01/68 BONUS	3.04	12/18/63	01/01/67	CVTR
* OR *	18.54	04/15/60	10/31/78 DRESDEN 1	4.44	08/24/63	02/01/68	ELK RIVER
* INDEFINITELY*	6.32	08/05/66	11/29/72 FERMI 1	1.26	05/29/63	09/01/64	HALLAM
* SHUTDOWN *	13.21	04/18/63	07/02/76 HUMBOLDT BAY	12.12	09/16/62	10/31/74	INDIAN POINT 1
* UNITS *	1.19	07/25/66	10/01/67 PATHFINDER	7.76	01/27/67	11/01/74	PEACH BOTTOM 1
*****	2.16	11/04/63	01/01/66 PIQUA	.93	04/21/78	03/28/79	THREE MILE ISLAND 2
TOTAL 74.77 YRS							

 * 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	GENFRAL ELECTRIC COMPANY	NTR	50-073	R-33	10-31-57	100.0
	SAN LUIS OBISPO	CALIFORNIA STATE POLYTECHNIC COLLEGE	AGN-201 #100	50-394	R-121	05-16-73	0.0001
	SAN RAMON	AEROTEST OPERATIONS, INC.	TRIGA (INDUS)	50-228	R-98	07-02-65	250.0
SANTA BARBARA	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	L-77	50-433	R-124	12-03-74	0.01	
COLORADO	DENVER	U.S. GEOLOGICAL SURVEY DEPARTMENT	TRIGA MARK I	50-274	R-113	02-24-69	1000.0
DELAWARE	NEWARK	UNIVERSITY OF DELAWARE	AGN-201 #113	50-098	R-43	07-03-58	0.0001
DIST OF COLUMBIA	WASHINGTON	THE CATHOLIC UNIVERSITY OF AMERICA	AGN-201 #101	50-077	R-31	11-15-67	0.0001
FLORIDA	GAINESVILLE	UNIVERSITY OF FLORIDA	ARGONAUT	50-083	R-56	05-21-59	100.0
GEORGIA	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	AGN-201 #104	50-276	R-111	04-19-68	0.0001
	ATLANTA	GEORGIA INSTITUTE OF TECHNOLOGY	HEAVY WATER	50-160	R-97	12-29-64	5000.0
IDAHO	POCATELLO	IDAHO STATE UNIVERSITY	AGN-201 #103	50-284	R-110	10-11-67	0.0001
ILLINOIS	URBANA	UNIVERSITY OF ILLINOIS	LOPRA	50-356	R-117	12-27-71	10.0
	URBANA	UNIVERSITY OF ILLINOIS	TRIGA	50-151	R-115	07-22-69	1500.0
	ZION	WESTINGHOUSE ELECTRIC CORP.	NTR	50-087	R-119	01-28-72	10.0
INDIANA	LAFAYETTE	PURDUE UNIVERSITY	LOCKHEED	50-182	R-87	08-16-62	10.0
IOWA	AMES	IOWA STATE UNIVERSITY	UTR-10	50-116	R-59	10-16-59	10.0
KANSAS	LAWRENCE	UNIVERSITY OF KANSAS	LOCKHEED	50-148	R-78	06-23-61	250.0
	MANHATTAN	KANSAS STATE UNIVERSITY	TRIGA	50-188	R-88	10-16-62	250.0
MARYLAND	BETHESDA	ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	TRIGA	50-170	R-84	06-26-62	1000.0
	COLLEGE PARK	UNIVERSITY OF MARYLAND	TRIGA	50-166	R-70	10-14-60	250.0

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE - DOCKET	LICENSE NUMBER	DATE OF ISSUED	AUTHORIZED POWER LEVEL (KW)
MASSACHUSETTS	CAMBRIDGE	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HWR REFLECTED	50-020	R-37	06-09-58 5000.0
	LOWELL	UNIVERSITY OF LOWELL	GE	50-223	R-125	12-24-74 1000.0
	WORCESTER	WORCESTER POLYTECHNIC INSTITUTE	GE	50-134	R-61	12-16-59 10.0
MICHIGAN	ANN ARBOR	UNIVERSITY OF MICHIGAN	POOL	50-002	R-28	09-13-57 2000.0
	EAST LANSING	MICHIGAN STATE UNIVERSITY	TRIGA MARK I	50-294	R-114	03-21-69 250.0
	MIDLAND	DOW CHEMICAL COMPANY	TRIGA	50-264	R-108	07-03-67 100.0
MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI, COLUMBIA	TANK	50-186	R-103	10-11-66 10000.0
	ROLLA	UNIVERSITY OF MISSOURI	POOL	50-123	R-79	11-21-61 200.0
NEBRASKA	OMAHA	THE VETERANS ADMINISTRATION HOSPITAL	TRIGA	50-131	R-57	06-26-59 18.0
NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	AGN-201M #112	50-252	R-102	09-17-66 0.005
NEW YORK	BRONX	MANHATTAN COLLEGE - PYHSICS DEPT.	TANK	50-199	R-94	03-24-64 0.0001
	BUFFALO	STATE UNIVERSITY OF NEW YORK	PULSTAR	50-057	R-77	03-24-61 2000.0
	ITHACA	CORNELL UNIVERSITY	TRIGA MARK II	50-157	R-80	01-11-62 500.0
	ITHACA	CORNELL UNIVERSITY	ZPR	50-097	R-89	12-11-62 0.1
	NEW YORK	COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	TRIGA MARK II	50-208	R-128	04-14-77 250.0
	TUXEDO	UNION CARBIDE CORP	POOL	50-054	R-81	09-07-61 5000.0
NORTH CAROLINA	RALEIGH	NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	PULSTAR	50-297	R-120	08-25-72 1000.0
OHIO	COLUMBUS	OHIO STATE UNIVERSITY	POOL	50-150	R-75	02-24-61 10.0
OKLAHOMA	NORMAN	THE UNIVERSITY OF OKLAHOMA	AGN-211 #102	50-112	R-53	12-29-58 0.100
OREGON	CORVALLIS	OREGON STATE UNIVERSITY	TRIGA MARK II	50-243	R-106	03-07-67 1000.0
	PORTLAND	REED COLLEGE	TRIGA MARK I	50-288	R-112	07-02-68 250.0
PENNSYLVANIA	UNIVERSITY PARK	PENNSYLVANIA STATE UNIVERSITY	TRIGA MK. III	50-005	R-2	07-08-55 1000.0
RHODE ISLAND	NARRAGANSETT	RHODE ISLAND NUCLEAR SCIENCE CENTER	GE POOL	50-193	R-95	07-21-64 2000.0
TENNESSEE	MEMPHIS	MEMPHIS STATE UNIVERSITY	AGN-201 #108	50-538	R-127	12-10-76 0.0001
TEXAS	AUSTIN	UNIVERSITY OF TEXAS	TRIGA MARK I	50-192	R-92	08-02-63 250.0
	COLLEGE STATION	TEXAS A&M UNIVERSITY	AGN-201M #106	50-059	R-23	08-26-57 0.005
	COLLEGE STATION	TEXAS A&M UNIVERSITY	TRIGA	50-128	R-83	12-07-61 1000.0
UTAH	PROVO	BRIGHAM YOUNG UNIVERSITY	L-77	50-262	R-109	09-07-67 0.01

 * RESEARCH *
 * REACTORS *

NON-POWER REACTORS IN THE U. S.

STATE	CITY	LICENSEE	REACTOR TYPE	DOCKET	LICENSE NUMBER	DATE DL ISSUED	AUTHORIZED POWER LEVEL (KW)
UTAH	SALT LAKE CITY	THE UNIVERSITY OF UTAH	TRIGA MARK I	50-407	R-126	09-30-75	100.0
		UNIVERSITY OF UTAH	AGH-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
		UNIVERSITY OF VIRGINIA	CAVALIER	50-396	R-123	09-24-74	0.1
		UNIVERSITY OF VIRGINIA	POOL	50-062	R-66	06-27-60	2000.0
		BABCOCK & WILCOX COMPANY	LPR	50-099	R-47	09-05-58	1000.0
WASHINGTON	PULLMAN	WASHINGTON STATE UNIVERSITY	TRIGA	50-027	R-76	03-06-61	1000.0
		UNIVERSITY OF WASHINGTON	ARGONAUT	50-139	R-73	03-31-61	100.0
WISCONSIN	MADISON	UNIVERSITY OF WISCONSIN	TRIGA	50-156	R-74	11-23-60	1000.0
***** * EXPERIMENTAL AND TEST REACTORS * *****							
CALIFORNIA	SAN JOSE	GENERAL ELECTRIC COMPANY	GETR	50-070	TR-1	01-07-59	50,000.0
DIST OF COLUMBIA	WASHINGTON	NATIONAL BUREAU OF STANDARDS	TEST	50-184	TR-5	06-30-70	10,000.0
***** * CRITICAL EXPERIMENT FACILITIES * *****							
NEW YORK	TROY	RENSSELAER POLYTECHNIC INSTITUTE		50-225	CX-22	07-03-64	0.0
VIRGINIA	LYNCHBURG	BABCOCK & WILCOX COMPANY		50-013	CX-10	10-22-58	0.0
WASHINGTON	RICHLAND	BATTELLE MEMORIAL INSTITUTE		50-360	CX-26	11-29-71	0.0

NRC FORM 330 10-831		U.S. NUCLEAR REGULATORY COMMISSION		REPORT NUMBER (Assigned by NRC) Vol. No. (if any)	
BIBLIOGRAPHIC DATA SHEET				NUREG-0020 Volume 10 Number 1 <small>2 Leave Blank</small>	
3. TITLE AND SUBJECT Licensed Operating Reactors Status Summary Report				4. RECIPIENT'S ACCESSION NUMBER	
6. AUTHOR(S) P. A. Ross, M. R. Beebe				5. DATE REPORT COMPLETED MONTH: FEBRUARY YEAR: 1986	
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				7. DATE REPORT ISSUED MONTH: FEBRUARY YEAR: 1986	
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				9. PROJECT/TASK/WORK UNIT NUMBER	
13. SUPPLEMENTARY NOTES Status Summary Report				10. FIN NUMBER	
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.				12a. TYPE OF REPORT	
15a. KEY WORDS AND DOCUMENT ANALYSIS				12b. PERIOD COVERED (Inclusive dates) DECEMBER 1985	
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>

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. 687

120555078877 1 1ANINU
US NRC
ADM-DIV OF TIDC
POLICY & PUB MGT BR-PDR NUREG
W-501
WASHINGTON DC 20555